BY ORDER OF THE
SECRETARY OF THE AIR FORCE

AIR FORCE MANUAL 36-2105
30 APRIL 1999

Personnel

OFFICER CLASSIFICATION

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This manual implements Air Force Policy Directive (AFPD) 36-21, *Utilization and Classification of Air Force Military Personnel*, and establishes the Air Force officer job structure. Specialty descriptions and other identifiers outline essential Air Force managerial, technical, and professional duties. The job structure and specialties provide a planned pattern of officer abilities. Officers must work with commanders and supervisors to develop their capabilities within these specialties.

★SUMMARY OF REVISIONS

This change incorporates interim change (IC) 99-1 which includes all approved officer classification changes to be implemented 30 April 1999. Specifically, it replaces attachment 1, Officer Change Summary and Conversion Guide (CS&CG) with the 30 April 1999 edition and provides a summary and conversion table with instructions for all AFSC changes, mergers, additions, realignments, and deletions of classification identifiers since 31 Oct 98. Changes include: Prefix T, Formal Training Instructor, award criteria; AFSCs 11AXE and 11AXL title changes; establishes a new shred within AFSCs 11SXJ for CV-22; incorporates the final incremental educational requirements for AFSCs 33SX; and creates Experience Sets FT, Health Promotion Manager, and 9A, Air Operations Center. If a specialty description change is included in the CS&CG the completely revised description is included in the IC. Minor changes to correct spelling, format, or editing changes may also be included. The complete IC has been incorporated into the publication. A ★ indicates revision from previous edition.

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1. Using This Manual:
1.1. This manual contains the Change Summary and Conversion Guide (attachment 1), Prefixes (attachment 2), Reporting Identifiers (attachment 3), Special Duty Identifiers (attachment 4), Air Force specialty descriptions (attachments 5 - 11), their assigned AFSCs, List of Officer AFSCs Authorized for Use Without Shredouts (attachment 12), Officer Special Experience Identifiers (attachment 13) and an alphabetical Index (attachment 14). The descriptions and codes identify different types of jobs, and qualifications needed to fill them and succeed in an AFS. These standards help classify and assign officers, develop programs for training and professional development, and structure unit manpower documents.
1.2. AFI 36-2101, *Classifying Military Personnel (Officers and Airmen)*, provides guidance to award and withdraw officer classification codes. Personnel and manpower procedures are in AFMAN 36-2622, volume 1, *Personnel Data Systems User Manual* and AFI 38-201, *Determining Manpower Requirements*, respectively.

2. Classification Structure Identifiers:
2.1. Air Force Specialty (AFS). An AFS is a basic grouping of positions requiring similar skills and qualifications. Specialties are then grouped into utilization fields and career areas based on similarity and transferability of skills and knowledge. This structure allows officer use in related career areas and for career development. AF Visual Aid 36-211, *Officer Classification Structure Chart*, shows the overall officer classification structure.
2.2. AFS Shredouts. A letter suffix to an AFSC identifies specific equipment, functions, or specialization within an AFS.
2.3. Special Duty Identifiers (SDI). SDIs identify duties and responsibilities not clearly within a specific career area. SDI descriptions and codes are in attachment 4.
2.4. Reporting Identifiers (RI). RIs identify people or positions that cannot be identified elsewhere in the classification system. RI codes are in attachment 3.
2.5. Prefixes. A letter prefix identifies significant skills not restricted to a single AFSC. Attachment 2 lists authorized prefixes, explains their use, and identifies AFSCs with which they may be used.
2.6. Special Experience Identifiers (SEI). SEIs identify special experience and training not otherwise identifiable in the classification system. Attachment 13 explains the alphanumeric structure of officer SEIs, the authority activity codes, and experience sets that combine to form the SEIs.

3. Specialty Description Explanation. Specialty descriptions consist of:
3.1. Heading. Includes specialty title, **date specialty description changed**, AFSCs (entry-XXX1, intermediate-XXX2, qualified-XXX3, and staff-XXX4). Staff AFSCs may be common to more than one specialty. When this occurs, the staff AFSC is shown in the heading of more than one specialty description. If a shredout is authorized, an asterisk is printed after the AFSC.
3.2. Specialty Summary. The specialty summary provides a concise overview of the scope and characteristics of the specialty. Included is the related Department of Defense (DoD) occupational code from the DoD Occupational Conversion Manual that lists similar jobs from each military service and civil service.
3.3. Duties and Responsibilities:
3.3.1. Describes representative duties and responsibilities of the specialty without attempting to include all aspects of all jobs in the specialty.
3.3.2. Excluded are duties that are inherent for all officers who command or supervise personnel regardless of specialty. These include morale, welfare, safety, individual performance evaluation, career management, coaching, and disciplinary action. Do not cite duties or responsibilities associated with command in any specialty descriptions other than commander special duty identifiers or specialties. Below group level, identify commanders and their positions with prefix C affixed to a functional AFSC (e.g. C36P3).
3.3.3. Utilization field introductions include responsibilities common to all specialties in the field and, when appropriate, opportunities to command within the functional specialties of the field.
3.3.4. Specialty Qualifications. Establishes job qualification standards for effective performance. Include only mandatory standards except for education, which may be desirable. List desirable qualifications in the Officer Professional Development (OPD) guide for the specific specialty. Officers must meet mandatory qualifications to perform in the specialty. Include only entry, upgrade, or for retention qualifications. Qualification standards may consist of:
3.3.4.1. Knowledge. Factual understanding and practical military skills required to perform at the qualified level.
3.3.4.2. Education. Specific academic subjects or disciplines, or courses of study required or desired to succeed in the specialty. Mandatory education requirements are to enter the specialty.
3.3.4.3. Training. Military courses training for or contributing directly to effective performance. Mandatory courses must be completed for upgrade. Professional military education courses are desirable for all officers and are not included unless mandatory for the specialty.

3.3.4.4. Experience. Experience performing specialty duties needed for upgrade to the qualified level. Breadth of experience is described and a minimum length of time performing duties may be specified. An individual's supervisor must recommend upgrade, certify the individual meets all requirements of the specialty, and has shown ability to perform at the qualified level.
3.3.4.5. Other. Measurable qualifications, such as physical standards, security clearances, aeronautical ratings, certifications, and licenses, required to perform in the specialty. Qualifications stated as mandatory pertain to upgrade unless otherwise specified.
3.4. Specialty Shredouts. Specifies shredouts authorized with the AFSC: letter suffix identifiers, and the title or portion of the specialty to which shredout is related.

4. Management Responsibilities:
4.1. Headquarters Air Force Personnel Center, USAF Classification Section, (HQ AFPC/DPPAC), publishes semiannual revisions to this manual, effective 30 April and 31 October. Revisions, when available, are distributed to the field 45 days before the effective date to give users time to accomplish preconversion actions and planning. The guide explains the changes and special conversion instructions to supplement procedures in manpower and personnel publications (attachment 1).
4.2. On receipt of manual revisions or advance notifications of approved changes, commands will review manpower documents and reflect necessary classification code changes according to AFI 38-201.
4.3. During the effective month, action offices will revise all statistical reports using AFSCs to reflect authorized changes.
4.4. Training managers will review training courses to support performance in AFSCs affected by manual changes. Re-evaluate and revise courses, if necessary.
4.5. Commands and Air Staff agencies are responsible to review skill requirements and currency of existing classification. When it becomes obsolete or developments occur requiring new or revised Air Force wide skill identification, submit recommended changes according to paragraph 5.

5. Requesting New or Revising Existing Classification:
5.1. Modifying existing classification has a significant effect on all facets of personnel management. Recommended changes must reflect personnel classification concepts in AFI 36-2101 and provide sufficient data for analysis by HQ USAF. Any agency contemplating a change to the classification system should consider the following when initially developing a proposal.
5.1.1. What is the specific requirement? Include tasks to be performed, locations or bases having the requirement, and number of personnel who will perform theses duties, etc.
5.1.2. Is a new AFS necessary? Could an existing classification identifier or management tool fill the requirement? For example:
5.1.2.1. SEIs are awarded based on completion of formal training or a unique course, and experience performing specific duties (attachment 13).
5.1.2.2. Suffixes are added to an existing AFSC to provide system or task specific training and assignment section.
5.1.2.3. Prefixes are used to identify required experience across many different AFSs.
5.1.2.4. Personnel Processing Codes (PPC). PPCs are used to identify special requirements needed for assignment to a specific duty location. They may include system-specific or special purpose training en-route to assignment.
5.1.3. Will the population size of a new AFSC or shredout support a trained personnel requirement (TPR), technical school course development, and overseas requirements?
5.1.4. What are the assignment locations of the proposed structure, to include continental United States (CONUS) geographical variety and number of overseas positions (long or short)?
5.1.5. What are the advantages and disadvantages of proposed action? Use Air Force, command, and functional perspectives.
5.2. Submit recommended revisions or additions to the classification system in this manual in the following manner:
5.2.1. Base Level. Military Personnel Flight will:
5.2.1.1. Ensure the recommended change(s) includes information according to paragraphs 5.3 and 5.4.
5.2.1.2. Send the change request to the Major Command (MAJCOM) Director of Personnel (classification section) for review, comment, and recommendation.
5.2.1.2.1. Requests to change Officer Medical Service specialties (4XXX) must be prepared by a Medical Air Force Specialty consultant for the affected specialty and forwarded to HQ USAF/SGWP, 110 Luke Ave, Room 400, Bolling AFB DC 20332-7050.
5.2.1.2.2. HQ USAF/SGWP will take action identified in paragraphs 5.2.2.1 through 5.2.2.3.
5.2.2. MAJCOM Level. MAJCOM classification section will:
5.2.2.1. Ensure the recommendation includes information required in paragraphs 5.3 and 5.4.
5.2.2.2. Obtain an evaluation by the appropriate functional manager.

5.2.2.3. Send the change request to HQ AFPC/DPPAC, 550 C Street West, Suite 10, Randolph AFB TX 78150-4712, to review, evaluate, and formally process a change, or send it to the Air Force functional manager to review or evaluate further. In either instance, MAJCOMs must include a recommendation of approval or disapproval.
5.2.3. Air Staff Level. Proposals Air Staff initiates must include information according to paragraphs 5.3 and 5.4, before forwarding it to HQ AFPC/DPPAC.
5.2.4. Change Requests. All requests for revision or addition must arrive at HQ AFPC/DPPAC by 28 February for consideration of the October revision or by 31 August for consideration of the April revision.
5.3. Recommendations for changes to AFSCs, prefixes, suffixes, and SDIs must include the following information:
5.3.1. Brief Description of the Proposed Change. Show its relationship to the existing classification structure. Is it consistent with personnel classification concepts of AFI 36-2101?
5.3.2. Rationale for Proposed Change. Include reasons why existing classification is inadequate. Fully justify the request. Outline all considerations examined in your initial proposed development.
5.3.3. Identify all requirements. For example, tasks to be performed and locations or bases with the requirement.
5.3.4. Description of Duties and Tasks:
5.3.4.1. Send a draft specialty description; include major tasks, equipment, special tools, or materials involved. ***NOTE:*** Specialty descriptions should not exceed two pages.
5.3.4.2. Include details of knowledge, education, and experience required to perform duties and tasks.
5.3.5. Evaluation of Training Requirements:
5.3.5.1. Examine all training alternatives that would meet the stated requirement. Compare the costs of each option. Evaluate benefits from the change versus costs of additional training required.
5.3.5.2. Include evaluation of existing courses, need for new courses, and estimated on the job (OJT) or formal training time.
5.3.5.3. Categorize training as "mandatory" and only identify formal military training leading to award of an AFSC. Identify "desirable" training in the Career Field Education and Training Plan (CFETP).
5.3.6. Detailed Summary of Personnel and/or Manpower Impact:
5.3.6.1. Estimate the number and organizational level of positions identified in the proposed classification change.
5.3.6.2. Estimate the number, location, and AFSC of manpower positions to be deleted or added, or both.
5.3.6.3. List AFSCs of personnel currently performing duties included in the proposed classification, and estimate the number, by AFSC, that would convert to the new AFSC, if established.
5.3.7. Recommendation on Occupational Analysis. Include a recommendation on desirability of a specialty survey, conducted under AFI 36-2623, *Occupational Analysis*, for proposed classification.
5.4. Recommended changes, additions, or deletions to SEIs must contain the following information:
5.4.1. Brief description of proposed change and contingency value, if any.
5.4.2. Brief rationale for change including its intended use.
5.4.3. Number of manpower authorizations to be coded Air Force-wide.
5.4.4. Criteria for awarding SEI:
5.4.4.1. Formal course requirements. Include course title, number, and personnel data system (PDS) code reflected in AFCAT 36-2223, *USAF Formal Schools.*
5.4.4.2. Experience requirements. State, in whole months, the experience requirements (minimum necessary).
5.4.4.3. Recommendation requirements. Explicitly state need for supervisor or commander recommendation, if applicable.

6. Supplementing This Manual. Air National Guard and USAF Reserves supplement this manual according to AFI 33-360, volume 1, *Publications Management Program*; and forward via the National Guard Bureau, Headquarters Air Force Reserves, or Headquarters Air Reserve Personnel Center (Classification Section) to HQ AFPC/DPPAC, 550 C Street West, Suite 10, Randolph AFB TX 78150-4712.

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DCS/Personnel

★Attachment 1

OFFICER
CHANGE SUMMARY AND CONVERSION GUIDE
30 APRIL 1999

INTRODUCTION

STANDARD CONVERSION INSTRUCTIONS: The standard instructions listed below are referred to by note number in the "Conversion Instruction Notes" column of this Change Summary and Conversion Guide. Notes are used singly or in combination to cover conversion instructions. However, written specific instructions may be added or substituted when a change requires special clarification.

NOTE	INSTRUCTIONS
1.	Code deleted from Officer Classification Structure.
2.	Code added to Officer Classification Structure.
3.	Converts directly in personnel data system (PDS). No further Military Personnel Flight (MPF) action required; report on individual person (RIP) source document provided.
4.	No conversion action is required.
5.	Title change.
6.	See explanation of prefix in attachment 2 for award and deletion criteria.
7.	A review and evaluation of an individual's qualifications are required before designation of this experience set. Review will be accomplished by AFPC or Headquarters Air Force (HAF) resource manager to determine designation of appropriate SEI. SEI will be formed by using the experience set and applicable activity code.
8.	Indirect conversion. Action required as follows: a. Personnel. First AFSC listed under "New AFSC" column is the "preselect AFSC" which will be automatically selected and shown in preconversion listing available to MPFs by 15 March 1999. MPFs, with the help of local functional representatives, will review and evaluate preselect preconversion to determine if duty AFSC (DAFSC) matches manpower position conversion, and if P/2/3 AFSCs are correct according to individual's qualifications. More than one AFSC associated with this conversion may be awarded if individual qualifies based on background and experience. If review and evaluation finds preselect AFSCs are correct, MPFs allow them to stand in PDS. If incorrect, MPFs must update PDS to reflect changes as soon as possible after conversion effective date. MPFs must cut source documents for all AFSC indirect conversions. See AFCSM 36-699, volume 1, table 5.1. b. Manpower. With the help of the functional manager, determine unit manning document (UMD) changes required to effect conversion. Reflect positions in projected AFSC field of manpower data system (MDS).
9.	Headquarters Air Force (HAF) and Base Level Military Personnel System (BLMPS) table changes required.
10.	Manpower table changes required.

Current AFSC	Current Title	New AFSC	New Title	Summary of Change	Conversion Instruction Notes
Prefix T	Formal Training Instructor	No Change	No Change	Prefix award criteria is revised to include completion of a formal instructor training course is mandatory.	Note: 4.
11A4E 11A3E 11A2E 11A1E	Airlift Pilot, C-20	No Change	Airlift Pilot, C-20/C-37	Suffix E is retitled to include the C-37 aircraft.	MPF: 4, 5. AFPC: 5, 9. Manpower: 5, 10.
11A4L 11A3L 11A2L 11A1L	Airlift Pilot, C-135/C-137	No Change	Airlift Pilot, C-32/C-135/ C-137	Suffix L is retitled to include the C-32 aircraft.	
None	None	11S4J 11S3J 11S1J	Special Operations Pilot, CV-22	Specialty description for AFSCs 11S4/3/1 is revised to add suffix J as an authorized identifier in the officer classification structure for the CV-22 weapon system. The following prefixes are authorized for use with the AFSCs indicated: 11S4J: G, J, L, M, R, S, T, V, Y. 11S3J: B, C, F, G, J, K, L, M, Q, R, S, T, V, Y. 11S1J: B, C, F, G, J, K, L, M, Q, R, S, T, V, Y.	MPF: 2, 4. AFPC: 2, 9. Manpower: 2, 10. ***NOTE:*** During the initial 30 days following the effective date of this change, HQ AFSOC/ DPPMT, in conjunction with the functional representatives, will notify appropriate MPFs of the individuals to be awarded AFSCs 11SXJ. HQ AFSOC manpower officials and functional representatives are responsible for updating MDS to reflect the positions converting to AFSCs 11SXJ.
33SX	Communication and Information	No Change	No Change	Specialty description is revised to update specialty qualifications. The education requirement for entry is changed to reflect 18 credit hours in information technology related courses as mandatory.	All: 4.
None	None	Experience Set FT	Health Promotion Manager	Experience Set FT is established as an authorized identifier in the officer classification system. Award requires completion of the Cooper Institute for Aerobics Research Health Promotion Director certification course, 12 months of experience in a Health Promotion Manager position, and commander's recommendation.	MPF: 2, 7. AFPC: 2, 9. Manpower: 2, 10.

Current AFSC	Current Title	New AFSC	New Title	Summary of Change	Conversion Instruction Notes
None	None	Experience Set 9A	Command and Control (C2), Air Operations Center (AOC)	1. Experience Set 9A is established as an authorized identifier in the officer classification system. 2. Award requires either (1) completion of ACC Joint Aerospace Command and Control Course: ACC-JAC2C (PDS code 77L), 3 consecutive months of experience in AOC assignments, mission ready certification, and supervisor's or commander's recommendation, or (2) 6 consecutive months of experience in AOC assignments, mission ready certification, and supervisor's or commander's recommendation.	MPF: 2, 7. AFPC: 2, 9. Manpower: 2, 10.

Attachment 2

PREFIXES

Prefix	Title	Explanation
B	Squadron Operations/ Operations Support/ Maintenance Officer	Prefix B identifies positions on manning documents and officers serving in, or qualified to serve in, positions as Squadron Operations Officer, senior Squadron Operations Support Officer, or senior Squadron Maintenance Officer in operational squadrons assigned to operations groups at the wing level. (**This prefix is not authorized for use in squadrons or groups that report directly to organizations above wing level.)** This prefix is restricted to Maj or Lt Col authorizations on manpower documents. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retained only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) if the officer demonstrates qualification as a Squadron Operations Officer, Squadron Opera-tions Support Officer, or Squadron Maintenance Officer. Retain the prefix as long as the officer remains qualified. Use prefix B with only the following AFSCs: 11X3 12X3 13X3 14N3 15W3 21A3 21L3 21M3 31P3 32E3 33S3 62E3
C	Commander	Prefix C identifies positions on manning documents and officers serving in, or qualified to serve in, positions of command below group level, such as squadrons, headquarters squadron sections, support squadrons, and detachments. ***NOTE:*** Persons serving in, or qualified to serve in, C prefix positions must be delegated authority, in writing, to administer actions under Article 15 Uniform Code of Military Justice. Affix to the Duty AFSC upon assignment of officers to these positions and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) when qualification as a commander has been demonstrated. Normally, prefix C will be affixed to the awarded AFSC in which duty as a commander is being performed. It will be retained as long as the officer remains qualified as a commander. Officers must possess the following prerequisites for the award of this prefix: 1. Knowledge of military administration, military justice, and personnel management. 2. A minimum of 12 months of experience in a command position before award. 3. Certification by immediate supervisor that the officer possesses commander qualifications.

Prefix	Title	Explanation
E	Electronic Combat (EC) Support Duty	Prefix E identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring functional area expertise with the ability to plan, collect, analyze, and apply intelligence support to electronic combat operations or the research, development, and acquisition of US electronic combat forces. Officers in these positions require knowledge of US and foreign electronic combat capabilities, vulnerabilities, strategies, tactics, operations and related activities. These officers support (but do not take the place of) Electronic Combat Coordinators and other electronic combat operations positions. Affix to the Duty AFSC (entry or qualified) on assignment of officers to these positions and retain only so long as they are incumbents. Award and affix prefix to the awarded AFSC (primary, second, or third) in which qualification as an electronic combat support officer is demonstrated. Retain as long as the officer remains qualified. Award by headquarters no lower than major command level. Officers must possess the following prerequisites for award of this prefix: 1. Twenty-four months of experience in the operational or technical aspect of an Air Force functional area. 2. An entry or qualified AFSC. 3. Completion of the Air Education and Training Command Electronic Combat Support course, unless waived by the major command. 4. Certification of capability to support electronic combat by the unit commander or supervisor. Use prefix E only with AFSCs 14N3/4.
F	Aircraft Systems Flight Evaluation	Prefix F identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring the ability to perform flight evaluations or functional check flights on aircraft and components. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only as long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification as an Aircraft Systems Flight Evaluation Officer has been demonstrated. Retain as long as the officer remains qualified. Officers must possess the following prerequisites for award of this prefix: 1. Flying Status Code as listed in AFI 33-110, *Data Administration Program.* 2. Ability to perform functional check flights or flight evaluations on aircraft. 3. Authorization by unit commander to perform functional check flights or flight evaluations on aircraft.
F	Continued	4. A minimum of 18 months of experience in aircraft systems flight evaluation assignments. For officers possessing AFSCs 62EX or 63AX and are incumbents of positions of Chief, Test and Deployment, and Director, Test Force Development, a minimum of 6 months of experience and current qualification in the system or the prototype for which the incumbent has development responsibility is required. For officers assigned primary duty as functional check flight pilots, or navigators who have completed a formal course of instruction on functional check flight duties and have 3 months of experience in aircraft systems flight evaluation assignments, the 18 months of experience requirement is not applicable.

Prefix	Title	Explanation
		Use prefix F only with the following AFSCs: 11X3 12X3 21AX 21LX 60C0 62EX 63AX
G	Automated Systems Program Designer	Prefix G identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring functional area expertise with the ability to design automated systems programs for the computers associated with an automated Air Force function. Do not use this prefix to identify positions and personnel with full qualification in the Communications-Computer Systems Career Area. AFSCs 33SX are more appropriate. The Automated Systems Program Designer (ASPD) interprets and refines plans and specifications prepared by the systems analysts, and prepares system logic flowcharts depicting an automated problem solution for which detailed functional area knowledge is essential. During program development, ASPDs use functional area knowledge to expedite the conversion of plans, flowcharts, and specifications of operational sequences into machine instructions. This includes developing general methodology, processing logic above detailed level, and data processing materials within system input and output formats. ASPDs prepare system charts, administrative processing charts, and data layouts showing information to be processed. Also, they use functional area knowledge to direct activities of programmers and coders in the development, maintenance, and modification of programs. Award and affix to the awarded AFSC (primary, second, or third) in which qualification as an ASPD has been demonstrated. Retain as long as the officer remains qualified. Award and delete by headquarters no lower than major command level. Officers must possess the following prerequisites for award of this prefix: 1. Twelve months of experience in the operational aspects of an Air Force functional area while serving in an authorized AFSC applicable to that area. 2. Completion of a formal training course in computer systems design and programming, and a minimum of 12 months of experience performing the duties described above. This experience is in addition to the experience required in paragraph 1 (6 months of additional experience may be substituted for the formal training course.) ***NOTE:*** The substitution of experience for formal training does not apply to personnel in AFSC 21S3. These individuals must complete the mandatory training and the 12 months of experience before award of the prefix. A waiver of the mandatory training for personnel in AFSC 21S3 may be granted only by the major command. When a waiver is granted, the 18 months of experience requirement will apply.
G	Continued	3. Possession of an authorized AFSC at the qualified or staff level. 4. Certification of capability to design automated data program systems associated with the automated function by the unit commander or supervisor of the automated system. Use prefix G only with the following awarded AFSCs: 11X3/4 12X3/4 13B3B/C/D/K/L 13SXA/D/E 14N3/4 15W3 21L3 21S3 34M3 36P3 38M3 41A3 61S3/4 62E3/4 65F3

Prefix	Title	Explanation
H	Military Consultant to the Surgeon General	Prefix H identifies officers selected by the Air Force Surgeon General's Officer Classification Board as having achieved consultant status in a particular medical service or physiological support specialty. Do not use this prefix on manning documents. Do not affix to the Duty AFSC of officers. Award and affix the prefix to the awarded AFSC (primary, second, or third) in which the officer has been selected as a Military Consultant to the US Air Force Surgeon General. Do not award the prefix without prior approval by HQ USAF Surgeon General. Officer must be selected by the HQ USAF Surgeon General's Officer Classification Board as having achieved consultant status in a particular medical service specialty for the award of this prefix. Use prefix H only with qualified level awarded AFSCs in the medical career area, or pilot or navigator physiological training specialists (AFSCs M11XX or M12XX).
J	Parachutist	Prefix J identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring parachutist qualifications. Affix to the Duty AFSC upon assignment of officers to these positions and retain only as long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification as a parachutist is demonstrated. Retain only so long as the officer remains qualified. Officers must possess the following prerequisites for the award of this prefix: 1. Successful completion of parachutist training. 2. Physical qualification to perform parachute duty according to AFI 48-123, *Medical Examination and Standards*. 3. Parachute rating.
K	Instructor	Prefix K identifies positions on manning documents and officers serving in, or qualified to serve in positions as an Instructor Pilot, Navigator, Air Battle Management Officer, Space and Missile, and Command and Control, Aerial Reconnaissance Weather Officer, or Airborne Intelligence Officer for the weapon system with which the AFSC is associated. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification has been demonstrated. Retain as long as the officer remains qualified. Use prefix K only with the following awarded AFSCs: 11X3 12B2E 12X3 13B3B/C/D/K/L 13S2C 13S3A/B/C/D/E 14N3 15W3

Prefix	Title	Explanation
L	Life Support	Prefix L identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring functional area expertise with the ability to plan, organize, coordinate, and direct training of aircrews in ejection and emergency egress, parachute use, survival kits and components, protective clothing, refresher survival procedures, and rescue. Officers performing these duties determine unit life support equipment requirements; supervise use, care, storage, inspection, and fitting of life support equipment; review aircraft accident, safety, and operational hazard reports for life support related equipment; supervise training of survival training and protective equipment personnel; and supervise training of aircrews in use of life support equipment necessary to perform aircrew duties. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only as long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification has been demonstrated. Retain as long as the officer remains qualified. Officers must possess the following prerequisites for award of this prefix: 1. Successful completion of a life support officer course and 1 year of experience as a life support officer. 2. Current aeronautical rating and current flying status orders as a pilot or navigator. Use prefix L only with awarded AFSCs 11XX and 12XX.
M	Medical Service Specialist	Prefix M identifies officers certified by an appropriate American Specialty Board or other board acceptable to the Air Force Surgeon General. See AFI 41-104, *Professional Board and National Certification Examinations,* for a list of approved boards and certification procedures for award of prefix M. Do not use this prefix on manning documents. Do not affix to the Duty AFSC of officers. Award and affix to the awarded AFSC (primary, second, or third) in which the officer has received certification. Delete this prefix upon award of prefix H. In the medical career area, use only with qualified (4XX3X) awarded AFSCs. Prefix M is also used to identify positions on manning documents and officers serving in, or qualified to serve in, positions as a qualified physiological training instructor in AFSCs 11XX and 12XX. Designation of these positions and certification of qualification for award of this prefix is by the office of the Chief, Flight Medicine, AFMOA. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only as long as they are incumbents.
		For award with AFSCs 11XX and 12XX, completion of an approved formal physiological training instructor course is mandatory. For physiological training, use prefix M only with AFSCs 11XX and 12XX.

Prefix	Title	Explanation
N	Navigator Required	Prefix N identifies first lieutenant through colonel positions on manning documents and officers serving in, or qualified to serve in, positions requiring rated knowledge and background of a navigator as an integral part of position requirements. These positions are rated requirements identified with nonrated AFSCs. All positions requiring this prefix to be authorized with a nonrated AFSC must be designated and authorized by the Directorate of Operations and Training (HQ USAF/XOOT). Submit requests according to AFI 38-201, *Determining Manpower Requirements*. This prefix is not intended or authorized for use with rated AFSCs. Affix to the duty AFSC upon assignment of officers to these positions, and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, third) in which qualification is demonstrated. Retain only so long as officer remains qualified.

Prefix	Title	Explanation
N	Continued	When prefix N is affixed to an AFSC (manpower document, duty, awarded), one of the following suffixes must be affixed to the AFSC: P - Fighter R - Bomber T - Strategic Airlift V- Electronic Warfare Officer Q - Trainer S - Tanker U - Tactical Airlift W - General If an AFSC authorized for use with prefix N has authorized suffixes (e.g., 61S3B), then drop the existing suffix and use one of the suffixes listed above (e.g., N61S3W). Officers assigned to prefix N positions must possess a current aeronautical rating and qualification for aviation service as a navigator. Use prefix N only with the following AFSCs: 10C0 13AX 13B4 13S1A/B/D/E 13S3A/B/D/E 13S4 14NX 16FX 20C0 21GX 21LX 21TX 30C0 32EX 33SX 36PX 61SX 62EX 63AX 64PX 80C0 81C0 81T0 82A0 83R0 87G0 91C0 97E0
P	Pilot Required	Prefix P identifies first lieutenant through colonel positions on manning documents and officers serving in, or qualified to serve in, positions requiring rated knowledge and background of a pilot as an integral part of position requirements. These positions are rated requirements identified with nonrated AFSCs. All nonrated AFSC positions requiring this prefix must be designated and authorized by the Directorate of Operations and Training (HQ USAF/XOOT). Submit requests according to AFI 38-201. This prefix is not intended or authorized for use with rated AFSCs. Affix to the duty AFSC upon assignment of officers to these positions, and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, third) in which qualification is demonstrated. Retain as long as the officer remains qualified. When prefix P is affixed to an AFSC (manpower document, duty, awarded), then one of the following suffixes must be affixed to the AFSC: P – Fighter R - Bomber T - Strategic Airlift V - Helicopter Q – Trainer S - Tanker U - Tactical Airlift W - General If an AFSC authorized for use with prefix P has authorized suffixes (e.g., 61S3B), then remove the existing suffix and use one of the suffixes listed above (e.g., P61S3W). Officers assigned to prefix P positions must possess a current aeronautical rating and qualification for aviation service as a pilot.

Prefix	Title	Explanation
P	Continued	It's used only with the following AFSCs: 10C0 13AX 13B3A/1A 13B4 13S1A/B/D/E 13S3A/B/D/E 13S4 14NX 16FX 20C0 21GX 21LX 21TX 30C0 32EX 33SX 36PX 48XX 61SX 62EX 63AX 64PX 80C0 81C0 81T0 82A0 83R0 87G0 91C0 97E0
Q	Standardization and Evaluation	Prefix Q identifies positions on manning documents and officers serving in, or qualified to serve in standardization and evaluation positions as a Flight Examiner, Space and Missile, and Command and Control Evaluator, Air Battle Management Evaluator, Aerial Weather Reconnaissance Evaluator or Airborne Intelligence Evaluator for the weapon system with which the AFSC is associated. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only as long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification has been demonstrated. Retain as long as the officer remains qualified. Use only with the following awarded AFSCs: 11X2/3 12B2E 12X3 13B3B/C/D/K/L 13S2C/3C 13S3A/B/D/E 14N3 15W3
R	Contingency/War Planner	Identifies positions on manpower documents and officers serving in or qualified to serve in positions requiring functional area expertise, and experience and training in contingency or war planning functions. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) when officers demonstrate contingency or warplanner qualifications. Retain until changed or revoked by the AFSC career field manager with the concurrence of HQ USAF/XOXW. Officers must satisfy one of the following criteria for award of this prefix:

Prefix	Title	Explanation
R	Continued	1. Successful completion of one or more of the following courses and have 6 months of experience in a prefix R position: 1.1. MCADRE002 - Contingency/Wartime Planning Course, PDS Code 82U; 1.2. MCADRE003 - Joint Doctrine Air Campaign Course, PDS Code W1B; 1.3. E6AZU49131 009 - Worldwide Military Command and Control System Intercomputer Network (H6000-CDT), PDS Code 11J; 1.4. 4925 – Joint Operation Planning and Execution System User Course (Basic) - PDS Code W5J; 1.5. J5OZO9000 003 - Joint Medical Planners Course (JMPC) - PDS Code XH6. Or 2. 12 months of experience in a prefix R position. ***NOTE:*** Changes to this prefix must be approved by HQ USAF/XOXW.
S	Safety	Prefix S identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring functional area expertise with the ability to plan, organize, coordinate, and direct Ground, Flight, Systems, and Weapons (Missile, Explosives, or Nuclear) Safety Programs. Officers awarded this prefix must be able to perform technical safety engineering functions, direct accident investigations, conduct safety surveys, analyze accident statistics by established standards, manage safety personnel, and supervise safety education and training programs. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification is demonstrated. Retain only as long as the officer remains qualified. Officers performing duty or selected to perform duty in weapons safety functions (missile, explosives, or nuclear) must possess the following prerequisites for award of this prefix: 1.1. Successful completion of an appropriate formal safety training course. 1.2. An entry or qualified AFSC. 1.3. Twelve months of experience in a weapons safety assignment.

Prefix	Title	Explanation
S	Continued	In the areas of weapons safety (missile, explosives, or nuclear), use only with the following awarded AFSCs: 11A3 11X4 12A3 12X4 13S3C 13S4 21A3/4 62E3/4 Officers performing duty or selected to perform duty in flight safety functions must possess the following prerequisites for award of this prefix: 2.1. Successful completion of Air Force pilot or navigator training. 2.2. Successful completion of a flight safety officer course or 1 year of experience as a flight safety officer. 2.3. Current aeronautical rating and flying status orders as pilot or navigator. 2.4. An entry or qualified AFSC. 2.5. Performance as a pilot or navigator for a minimum of 4 years. In the area of flight safety, use S only with the following awarded AFSCs: 11X3/4 12X3/4 Officers performing duty or selected to perform duty in systems safety engineering functions must possess the following prerequisites for award of this prefix: 3.1. Successful completion of a systems safety officer course. 3.2. Twelve months of experience in systems safety engineering functions. 3.3. An entry or qualified AFSC. In the area of systems safety engineering, use only with the following awarded AFSCs: 11E3 60C0 61S3/4 62E3/4 63A3/4 Officers performing duty or selected to perform duty in ground safety functions must possess the following prerequisites for award of this prefix: 4.1. Twelve months of experience in ground safety functions. 4.2. An entry level or qualified AFSC. 4.3. Successful completion of a safety officer course. Space operations officers performing duty or selected to perform duty in safety functions supporting space operations must possess one of the following prerequisites for award of this prefix: 5.1. Successful completion of an appropriate formal safety training course. 5.2. An entry level or qualified AFSC. 5.3. Twelve months of experience in a space safety assignment. In the area of space operations, use only with the following AFSCs: 13A3 13S3A/B/D/E 13S4

Prefix	Title	Explanation
★T	Formal Training Instructor	Prefix T identifies positions on manning documents and officers serving in, or qualified to serve in, positions as instructors in formal training courses. It applies to instruction in nonrated specialties and in formal flying training courses. Affix to the Duty AFSC upon assignment of officers to these positions and retain only so long as they are incumbents. ★For award of this prefix, must successfully complete a formal instructor training course. Affix to the awarded AFSC (primary, second, or third) in which the officer demonstrates qualification. Retain only so long as the officer remains qualified. The following instructions apply to the use of this prefix for optometrist in AFSC 42EX and for physicians in AFSCs 44XX, 45XX, and 48XX. Do not award this prefix to officers if they possess prefix H. Otherwise, when approved by the major command, those who meet the following qualifications may be awarded this prefix to the specialty code in the medical field in which they are currently teaching: 1. Board certification in the specialty in which instruction is performed. 2. One year of teaching experience in the cited specialty. For AFSCs 11XX and 12XX, use prefix T to differentiate schoolhouse flying training instructors and requirements from operational unit instructors and requirements identified with prefix K. Officers in AFSCs 11XX and 12XX must successfully complete a formal instructor training course in the assigned specialty for award of this prefix.
V	Automated Functional Applications Analyst	Prefix V identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring functional area expertise with the ability to analyze, design, and manage the computer application of an automated Air Force function. Do not use this prefix to identify positions and personnel with full qualification in the Communications-Computer Systems Career Area. The use of AFSCs 33SX is more appropriate. The Automated Functional Applications Analyst functionally analyzes requirements, defines objectives, and determines how they can be met more effectively by automated methods. The analyst develops complete plans and constructs general and detailed flowcharts and block diagrams to depict graphically the systems logic and processing flow from initial inputs to final outputs. Affix to the Duty AFSC (entry, intermediate, or qualified) on assignment of officers to these positions, and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification as an automated functional applications analyst is demonstrated. Retain the prefix only so long as the officer remains qualified. This prefix is awarded and deleted by headquarters no lower than major command level.

Prefix	Title	Explanation
V	Continued	Officers must possess the following prerequisites for the award of this prefix: 1. Extensive experience in the operational aspects of an Air Force functional area. 2. An entry or qualified AFSC. 3. A minimum of 2 years of experience in design and analysis of automated systems within that functional area (operational or technical) while serving in an authorized AFSC applicable to the particular function. Experience must include performing systems feasibility or application studies for that automated system. Full qualification in prefix G, Automated Systems Program Designer, may be substituted for 1 year of experience. 4. Knowledge of computer programming functions and techniques. 5. Certification by the unit commander or supervisor of capability to perform as a systems analyst associated with the automated functions. 6. Completion of a formal systems analyst course is desirable. ***NOTE:*** Successful completion of the appropriate AETC course is mandatory for personnel in AFSCs 21S3/4. Only the major command may grant a waiver of the mandatory training requirement. Use only with the following awarded AFSCs: 11X3/4 12X3/4 13B4 13B3B/C/D/K/L 13M3/4 13S4 13S3A/C/D/E 14N3/4 15W3/4 16RX 21A3/4 21G3/4 21L3/4 21M3/4 21S3/4 21T3/4 32E3/4 34M3/4 35P3/4 36P3/4 38M3/4 41A3/4 43BX 43D3/4 43E3/4 43P3/4 43T3/4 44A3 46A3/4 46N3/4 47G3/4 61S3/4 62E3/4 63A3/4 64P3/4 65F4 71S3/4
W	Weapons and Tactics Instructor	Prefix W identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring knowledge of the characteristics, operation, use, tactics, and effects of strategic bomber, tactical fighter, airlift, rescue, reconnaissance, or conventional and nuclear weapons, and the ability to instruct in these disciplines. The weapons and tactics instructor plans, organizes, and instructs academic and flying training pertaining to the use of weapons; provides advice on the proper weapons and tactics for given target and adversaries with known weapons effects and kill probabilities; monitors squadron and higher level programs to satisfy unit training requirements; and maintains liaison with agencies to provide latest material available on weapons, tactics, and delivery systems and their use in fighter, bomber, airlift, or rescue units. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification is demonstrated. Retain so long as the officer remains qualified. Officers must possess the following prerequisites for award of this prefix:

Prefix	Title	Explanation
W	Continued	1. Completion of one of the USAF Weapons School Weapons Instructor courses, the USAF/GAF Fighter Weapons Instructor course F4000FDIAA/WA, the USAF Combat Aerial Delivery School Weapons Instructor Course C130CADWIC, the Air Force Space Tactics School, or the Navy Electronic Combat Weapons School (ECWS). 2. A qualified, authorized AFSC appropriate to one of the courses above. Use only with the following awarded AFSCs: 11A3K/4K 11B3 11B4A/C/Y 11F3/4 11H3E/4E 11R3D/4D 12A3C/4C 12B3 12B4A/B/C/D/E/Y 12F3/4 12R3C/E/H 12R4C/E/H 12S3A/H/K 13B3B/C/D 13B4B/C/D 13S3/4 14N3/4
X	Nonrated Officer Aircrew Duty	Prefix X identifies nonrated positions on manning documents and officers serving in, or qualified to serve in, nonrated positions that require participation in frequent and regular aerial flight as an integral part of assigned duties. Affix prefix X to the Duty AFSC on assignment of officers to these nonrated positions and retain only so long as they are incumbents. Do not affix the prefix to the Awarded AFSC (primary, second, or third). Prefix X is authorized for use with any nonrated officer AFSC published in AFI 65-503, *US Air Force Cost and Planning Factors* tables for Aircrew Composition. Officers assigned to prefix X positions must meet appropriate physical standards for aircrew duty according to AFI 48-123, *Medical Examination and Medical Standards.*
Y	Analytical Studies Officer	Prefix Y identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring the ability to conduct advanced analytical studies. Analytical studies officers conduct studies and provide optimum solutions to programs for managing manpower, performance evaluation of management, operational, and conceptual systems; devise techniques for determining and portraying relative cost effectiveness information; use mathematical, statistical, and econometric models and techniques to collect, analyze, and develop solutions relating to economic utilization of Air Force resources; conduct studies to support management decisions by relating the specific and quantitative to the broad and qualitative in order to effectively communicate requirements. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retained only so long as they are incumbents.

Prefix	Title	Explanation
Y	Continued	Award and affix to the awarded AFSC (primary, second, or third) in which qualification is demonstrated. Retain only so long as the officer remains qualified. This prefix is awarded and deleted by headquarters no lower than major command level. Officers must possess the following prerequisites for the award of this prefix: 1. At least 12 months of experience in prefix Y positions. 2. Ability to use mathematical and statistical techniques and models to compile, analyze, and evaluate data. 3. Ability to relate performance, cost, and effectiveness in studies of management, operational, and conceptual systems at all commands. Use only with the following awarded AFSCs: 11X3/4 12X3/4 13B3/4 13D3/4 13M3/4 13S3/4 14NX 21AX 21G3/4 21LX 21MX 21S3/4 21T3/4 32EX 33SX 34M3/4 36P3/4 38M3/4 61SX 62EX 63A3/4 64P3/4 65W3
Z	Radio Frequency Spectrum Management	Prefix Z identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring radio-frequency management qualifications. Affix to the Duty AFSC (entry or qualified) upon assignment of officers to these positions, and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which radio frequency management training has been received. Retain the prefix so long as the officer remains qualified. Officers must possess the following prerequisites for the award of this prefix: 1. An entry or qualified AFSC. 2. Successful completion of formal training in radio frequency spectrum management or a minimum of 24 months of experience in a frequency management position. 3. Certification by immediate supervisor that the officer possesses frequency spectrum management qualifications. Use only with the following awarded AFSCs: 33S3/4 33S3A

Attachment 3

REPORTING IDENTIFIERS (RI)

Reporting identifiers identify authorizations and individual officers not otherwise identifiable in the classification structure. They do not have specialty descriptions. The following is a complete listing of reporting identifiers.

REPORTING IDENTIFIERS	
Identifier	**Title**
90G0	General Officer
91C0	Commander
91W0	Wing Commander
92J0	Nondesignated Lawyer
92J1	AFROTC Educational Delay Law Student
92J2	Funded Legal Education Program Law Student
92J3	Excess Leave Law Student
92M0	HPSP Medical Student
92M1	Uniformed Services Univ. of Health Sciences (USUHS) Student
92M2	HPSP Biomedical Science Student
92R0	Chaplain Candidate
92S0	Student Officer Authorization
92T0	Pilot Trainee
92T1	Navigator Trainee
93P0	Patient
94N0	Nuclear Weapons Custodian
95A0	Non-EAD USAFR Academy or Civil Air Patrol Liaison Office
96D0	Off Not Avail For Use in Awarded AFSC For Cause
96U0	Unclassified Officer
96V0	Unallotted
97E0	Executive Officer Above Wing Level

1. 90G0 General Officer. Use this identifier to report the Duty and Primary AFSC of all officers in the grade of brigadier general or higher, regardless of duty assignment. It is also used to report the Duty AFSC of colonels serving in authorized general officer positions. Make retroactive changes in qualifications' records. Related DoD Occupational Group: 1A.

2. 91C0 Commander. Use this identifier to report the Duty and Primary AFSC of officers serving in Commander positions where use of prefix "C" with a specific functional AFSC (CXXXX), a group commander AFSC (X0C0) or the wing commander (91W0) identifiers is not appropriate. (Examples include school commandants and NAF/CVs who are not General Officers). Related DoD Occupational Group: 1B.

3. 91W0 Wing Commander. Use this identifier to report the Duty and Primary AFSC of officers serving in Wing Commander positions not authorized a General officer grade. Related DoD Occupational Group: 1B.

4. 92J0 Nondesignated Lawyer. Use this identifier to report the Primary and Duty AFSC of legal officers serving in staff positions but not designated as Judge Advocates. Related DoD Occupational Group: 5F.

5. 92J1 AFROTC Educational Delay Law Student. Use this identifier to report the Primary and Duty AFSC of non-extended active duty Reserve officers who have been commissioned under the AFROTC program and have been granted an educational delay to attend law school before reporting for active duty. Related DoD Occupational Group: 9B.

6. 92J2 Funded Legal Education Program Law Student. Use this identifier to report the Primary and Duty AFSC of officers participating in the Funded Legal Education Program. Retain RI 92J2 as 2AFSC or 3AFSC on completion of law school. Related DoD Occupational Group: 9B.

7. 92J3 Excess Leave Law Student. Use this identifier to report the Primary and Duty AFSC of law students in excess leave status. Retain RI 92J3 as 2AFSC or 3AFSC on completion of law school. Related DoD Occupational Group: 9B.

8. 92M0 Health Professions Scholarship Program (HPSP) Medical Student. Use this identifier to report the Primary and Duty AFSC of a newly commissioned officer in training as a medical student under the Air Force HPSP (AFI 41-110, *Applying for Medical School and Medical Programs*). Related DoD Occupational Group: 9B.

9. 92M1 Uniformed Services University of Health Sciences (USUHS) Student. Use this identifier to report the Duty and Primary AFSC of commissioned officers in training under the School of Medicine Uniformed Services of Health Sciences Program (AFI 41-110). Related DoD Occupational Group: 9B.

10. 92M2 HPSP Biomedical Science Student. Use this identifier to report the Primary and Duty AFSC of a newly commissioned officer in training as a biomedical science student under the Air Force Health Professions Scholarship Program (HPSP) (AFI 41-110). Related DoD Occupational Group: 9B.

11. 92R0 Chaplain Candidate. Use this identifier to report the Primary and Duty AFSC of all Reserve Chaplain candidates who possess an accredited bachelor's degree and are enrolled as full-time seminarians, or who have completed seminary training and are awaiting ecclesiastical endorsement. Related DoD Occupational Group: 9B.

12. 92S0 Student Officer Authorization. Use this identifier to identify student authorizations and to report the Duty AFSC of an officer attending an Air Force-wide training course conducted by Air University or Air Education and Training Command. Related DoD Occupational Group: 9E.

13. 92T0 Pilot Trainee. Use this identifier to report the Primary and Duty AFSC of newly commissioned officers selected for pilot training, and to report the Duty AFSC of officers entering Primary-Basic Pilot Training. Related DoD Occupational Group: 9B.

14. 92T1 Navigator Trainee. Use this identifier to report the Primary and Duty AFSC of newly commissioned officers selected for navigator training, and to report the Duty AFSC of officers entering Specialized Undergraduate Navigator Training. Related DoD Occupational Group: 9B.

15. 93P0 Patient. Use this identifier to report the Duty AFSC of officers in patient status. Related DoD Occupational Group: 9A.

16. 94N0 Nuclear Weapons Custodian. Use this identifier to report the Duty AFSC of a nuclear weapons custodian. Officer provides a capability to supervise custody of nuclear munitions, when required, to ensure compliance with security and safety standards, and to monitor specific functions of munitions loading operations. The officer may serve as a member of a Permissive Action Link Surveillance Team, if required, in which case officer administers a positive control over equipment, assists in weapons checking during Permissive Action Link modification, provides proper security, storage, and maintenance of Permissive Action Link technical equipment as well as performing pertinent inspections. The officer must meet Personnel Reliability Program requirements for a critical position, as outlined in AFI 36-2104, *Nuclear Weapons Personnel Reliability Program*. Related DoD Occupational Group: 4E.

17. 95A0 Non-EAD USAFR Academy or Civil Air Patrol Liaison. Use this identifier to report the Duty AFSC of non-extended active duty Reserve officers who are participating in the Academy and Civil Air Patrol Liaison Programs. Related DoD Occupational Group: 9E.

18. 96D0 Officer Not Available for Use in Awarded AFSC for Cause. Use this RI to report the Duty AFSC of officers not available to perform duty in an awarded AFSC because of duty status change. Restrict use of this RI to duty status codes 05 (civil confinement more than 30 days), 06 (deserter), 17 (military confinement more than 30 days), or 52 (leave-appellate review). Do not use this RI to identify position authorizations on manpower documents. Related DoD Occupational Group: 9E.

19. 96U0 Unclassified Officer. Use this identifier to report the Duty and Primary AFSCs of all officers who have lost qualification in their specialty and possess no other awarded AFSC. This RI does not apply to people eliminated from flying training, technical training, or other formal schools unless those eliminated are placed on medical or legal hold. Placing officers into RI 96U0 does not relieve the Military Personnel Flights from message reporting of unprogrammed available

officers according to AFI 36-2110, *Assignments*. Do not use this RI to identify position authorizations on manpower documents. Related DoD Occupational Group: 9E.

20. 96V0 Unallotted. Use this identifier to report those authorizations within bulk allotments of officer personnel that are not specifically allocated by AFS. Do not use this RI to identify personnel. Related DoD Occupational Group: 9E.

21. 97E0 Executive Officer Above Wing Level. Use this identifier to report the Primary and Duty AFSCs of officers serving in Executive officer positions above wing level. Officer oversees information management activities for the commander and deputy commander; handles protocol duties as required; implements, directs, and coordinates executive functions, services, and activities; represents the commander in interaction with other agencies of all levels; and is responsible for unit programs and special projects as directed by the commander. Related DoD Occupational Group: 7A.

Attachment 4

INTRODUCTION

SPECIAL DUTY IDENTIFIERS

Special Duty Identifiers (SDI) identify authorizations for, and officers assigned to and performing an actual group of tasks on a semi-permanent or permanent duty basis. These duties are unrelated to any specific utilization field. No significance as to the interrelationship of these SDIs should be inferred from their grouping within this section. The following is a complete listing of special duty identifiers.

SPECIAL DUTY IDENTIFIERS	
Identifier	**Title**
80C0	Commander, Cadet Squadron, USAF Academy
81C0	Training Commander, Officer Training School
81T0	Instructor
82A0	Academic Program Manager
83R0	Recruiting Service
84H0	Historian
85G0	USAF Honor Guard
86M0	Operations Management
86P0	Command and Control
87G0	Inspector General
88A0	Aide-de-Camp
88P0	Protocol

SDI 80C0

COMMANDER, CADET SQUADRON, USAF ACADEMY

1. Special Duty Summary. Commands a squadron of the US Air Force Academy Cadet Wing. Related DoD Occupational Group: 7B.

2. Duties and Responsibilities:
2.1. Commands through unique role as principle advisor to cadet chain of command. Responsible to help develop policies and procedures concerning the squadron's administration, and command and control, emphasizing the chain of command.
2.2. Assesses cadet aptitude for commissioned service. Advises other Academy agencies of the status and capabilities of each cadet.
2.3. Coordinates training and instructional programs. Controls unit integration of instructional training, military training, drill and ceremonies, formal and informal social events, and a wide variety of extra-curricular activities involving the Academy staff, faculty, and cadets. Monitors unit performance in all Academy athletic programs, including intramural and recreational sports and physical fitness programs.

3. Special Duty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: military customs and courtesies, command administration, personnel management, and personal affairs.
3.2. Education. For entry into this SDI, undergraduate academic specialization in engineering, arts, social sciences, physical science, business, or management is desirable.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. Additional qualifications and application procedures for this SDI are in AFI 36-2110.

SDI 81C0

TRAINING COMMANDER, OFFICER TRAINING SCHOOL

1. Special Duty Summary. Commands, instructs, evaluates, counsels, and monitors all student training phases. Related DoD Occupational Group: 7B.

2. Duties and Responsibilities:
2.1. Commands training squadrons and flights. Motivates students to become professional Air Force career officers. Develops training policies involving discipline, military training, administration, and academic progress. Conducts squadron and individual flight inspections, selects student staff and commanders, and monitors student welfare. Implements programs to resolve personal adjustment problems, provides student guidance, and implements higher headquarters' directives and policies.
2.2. Determines aptitude for commissioned service. Evaluates individual potential, attitudes, training performance, and overall aptitude for commissioned service. Analyzes individual deficiencies, conducts remedial training, and directs faculty board action for students lacking aptitude for commissioned service.
2.3. Directs and monitors training programs. Supervises commissioning training, and conducts professional instruction for academic, military, and physical training courses. Maintains a record of student progress and evaluates all phases of student mission accomplishment.

3. Special Duty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: military customs and courtesies, command administration, and instructional techniques.
3.2. Education. For entry into this SDI, undergraduate academic specialization in education or social science is desirable.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. Not used.

SDI 81T0

INSTRUCTOR

1. Special Duty Summary. Instructs personnel in academic subjects. Related DoD Occupational Group: 5K.

2. Duties and Responsibilities:
2.1. Organizes and prepares instructional materials. Studies objectives of formal training. Develops course syllabi, training project outlines, and daily and weekly lesson plans. Prepares assignments, laboratory exercises, demonstrations, training aids, and reference and related material required to parallel and supplement course outline. Organizes physical conditioning programs.
2.2. Instructs personnel. Determines methods of instruction, considering the size of the group and subject matter. Instructs students by lectures, discussions, demonstrations, group activities, and laboratory work. Demonstrates subject principles and application to students, using audiovisual aids such as mock-ups, graphs, training films, and film strips. Evaluates the progress of students, using such aids as achievement and aptitude tests and rating scales. Diagnoses individual learning difficulties and recommends courses of remedial instruction. Supplements texts with additional sources of information to clarify subject matter. Prepares classrooms for instruction, controlling factors such as temperature, ventilation, lighting, cleanliness, and arrangement of desks and equipment. Maintains attendance records and requisitions supplies. Briefs students on safety precautions associated with equipment and facilities used. Conducts instructor training programs by demonstrating effective teaching methods, reviewing lesson plans, and conducting professional instructors training seminars.
2.3. Coordinates training program. Confers with education and training staff officers on changes in texts, project training outlines, general progress of class, disciplinary problems, entrance requirements, examination procedures and tests, school records, and related subject. Coordinates preparation of training manuals, test construction, and improvement of instructional material with maintenance shop to develop training aids. Advises education and training staff officers on matters such as the revision of course curricula.

3. Special Duty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: audiovisual presentation, educational tests and measurements, and instructing techniques.
3.2. Education. For entry into this SDI, undergraduate academic specialization in education or social and behavioral sciences is desirable.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. Not used.

SDI 82A0

ACADEMIC PROGRAM MANAGER
(Changed 30 Apr 97)

1. Special Duty Summary. Directs, instructs, evaluates, and monitors instruction, educational curriculum development, and student training at the U.S. Air Force Academy and Air University. Related DoD Occupational Group: 5K.

2. Duties and Responsibilities:
2.1. Directs instruction organization and preparation. Establishes education and training objectives. Manages development of course syllabi, educational project outlines, and lesson plans. Oversees preparation of assignment, exercises, demonstrations, training aids, references, and related materials required for course content. Supervises organization of physical conditional programs.
2.2. Supervises instructor programs. Instructs faculty, staff, and students. Determines instruction methods considering group size and course content. Demonstrates subject principles and application using educational media. Evaluates faculty and student progress. Conducts instructor training programs. Demonstrates effective teaching methods, reviews lesson plans, and conducts professional instructor training seminars.
2.3. Manages educational programs and administrative functions. Supervises and coordinates text selection and changes, project outlines, examination and grading standards, test procedures, and other related subjects. Performs research and writes for publication. Administers activities involving scheduling, discipline, enrollment, budget, and personnel programs.

3. Special Duty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: educational media, instruction, and testing techniques, and course and curriculum development.
3.2. Education. For entry into this SDI, a Master's degree is desirable.
3.3. Training. Not used.
3.4. Experience. For retention of this SDI, experience is mandatory in preparing lesson plans, developing training aids, instructing and diagnosing educational difficulties, developing educational materials, and constructing tests.
3.5. Other. Not used.

SDI 83R0

RECRUITING SERVICE

1. Special Duty Summary. Plans, directs, and monitors recruiting programs, personnel, training, and equipment to achieve an efficient and economical recruitment program that will meet the requirements of the United States Air Force. Provides planning and assistance for a continuous publicity and community relations program. Related DoD Occupational Group: 7C.

2. Duties and Responsibilities:

2.1. Performs operations duties. Monitors, analyzes, trains, and provides planning assistance to officer program teams. Works directly with squadron trainers to establish training programs; provides training at flight training meetings. Manages squadron self-inspection program and ensures follow-up actions are taken to correct deficiencies. Acts as squadron Military Entrance Processing Station (MEPS) quality control monitor. Tracks and analyzes recruiting operations; identifies adverse trends and causes and recommends corrective action. Tracks management of recruiting for selected AFSs, competitions and goal allocations, success of high school and Armed Services Vocational Aptitude Battery programs, and so forth. Acts as squadron focal point for U.S. MEP Command and Joint Service activities. Coordinates mobile examination test site and student testing programs. Serves as member of the inter-service recruitment committee or mid-level recruitment committee to coordinate, staff, implement, and resolve issues affecting Joint Service recruiting activities.

2.2. Acts as officer training school (OTS) procurement officer. Plans and conducts officer recruiting according to program goals and within constraints of OTS entry capability. Interviews and evaluates OTS applicants. Coordinates requests for waivers from existing directives on a case-by-case basis for potential officer candidates. Recommends policies and procedures to expedite applicant processing; ensures compliance with enlistment criteria and application procedures. Compiles officer accession data and operations reports. Prepares bulletins with administrative and production data and training program materials for use by the sales organization. Monitors college visitation programs; presents Air Force orientations and coordinates tours for faculties and student bodies. Controls distribution of printed advertising materials for officer recruiting, and evaluates their effectiveness. Maintains liaison with educators, business and industry officials, state and local officials, and other centers of influence to enhance the image of the Air Force officer corps. Continuously evaluates market data on objectives to identify resources necessary for mission accomplishment.

2.3. Plans and supervises development of advertising and promotion programs to support the mission. Develops, prepares, coordinates, and executes advertising and promotion. Allocates and controls advertising budgets. Initiates purchase of authorized advertising items. Prepares management fund summaries, and advises commander on advertising campaigns to accomplish goals. Controls distribution of printed advertising, and radio and television materials to the recruiting force. Monitors their use and rate of consumption to evaluate effectiveness. Participates in meetings and conferences and presents Air Force orientations to civic and educational organizations. Participates in community relations functions, such as special events, state and municipal fairs and ceremonies, parades, tours, and recruiting contests. Emphasizes effective public relations through training programs and staff assistance visits.

2.4. Manages recruiting resources. Controls real estate actions for recruiting offices, itinerary stops, and squadron headquarters. Monitors and coordinates their relocation, upgrading, opening, and closing. Maintains fiscal year facility programs, coordinating with the Corps of Engineers. Monitors government services administration vehicle fleet; keeps mileage and cost figures. Orders, inventories, and accounts for furniture and equipment. Maintains balance budget; coordinates spending authority with supporting finance offices and squadrons. Monitors and authorizes use of communication devices within the Group. Recommends approval or disapproval of government leased requests, and reviews housing surveys for new units or rental increases. Directs administrative support for personnel programs such as newcomers program, civilian personnel actions, weight control program, ancillary training, on-the-job training, and leave programs. Coordinates with the Group Commander, HQ USAF Recruiting Service, and Air Education and Training Command on personnel assignments and programs. Manages Group publications library, word processing support, distribution system, and duplication requirements, including printing and reproduction activities. Coordinates Group transportation requirements. Monitors squadron transportation request audits. Controls bulk purchases of transportation tickets and meal and lodging expenditures for applicants traveling to the MEPS. Schedules semi-annual staff assistance visits. Coordinates and monitors host-tenant support agreements.

2.5. Manages Headquarters U.S. Air Force (USAF) Recruiting Service activities. Provides analytical support, market studies, and goal allocation systems. Provides specialized management, sales, and motivational training through workshops and a traveling training team. Coordinates with the Air Force Personnel Center, Air Education and Training Command Technical Training, Air Force Military Training Center, Officer Training School, and Air Staff agencies on procurement actions, policies, and programs which impact enlisted and officer recruiting requirements. Develops programs and policies to support assignment and manpower actions. Plans and manages advertising, publicity, and promotional and special events programs supporting military personnel procurement and retention objectives.

3. Special Duty Qualifications:

3.1. Knowledge. Knowledge is mandatory of: military customs, courtesies, organization, mission, policies, and history of the USAF.
3.2. Education. Not used.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. For entry into this SDI, qualification criteria listed in AFI 36-2110 are mandatory.

SDI 84H0

HISTORIAN

1. Special Duty Summary. Performs and manages historical research, writing, and collection and preservation of historical materials. Plans and coordinates use of historical resources. Advises commanders and staffs on use of historical information in policy development and decision making. Related DoD Occupational Subgroup: 5D.

2. Duties and Responsibilities:
2.1. Plans, directs, and conducts historical research projects. Develops procedures to prepare studies. Assures completeness and accuracy in research, and clarity and relevance in writing. Ensures satisfactory rates of progress toward completion. Ensures studies preserve focus in areas intended.
2.2. Screens files and databases. Analyzes, selects, preserves, and organizes key documentation. Indexes material for retrieval and research.
2.3. Performs historical research and writing. Gathers evidence through interviews and examination of materials in archives and files. Analyzes and evaluates data, and develops meaningful conclusions. Prepares narrative history or report. Assists in final editing and production before publication.
2.4. Administers command or unit historical program. Serves as historical staff advisor to commander. Develops policies and plans for preparing periodic histories and other historical publications. Prepares periodic command or unit history. Details activities and problems in operations, logistics, management, and administration. Plans and operates historical reference collection, and organizes microfilm program for preserving documents. Guides historical activities of lower units, critiques their historical products, and makes staff assistance visits.
2.5. Contributes to staff actions and studies. Prepares historical inputs for use by staff officers and study groups. Develops sources of historical information through contact with personnel active in primary research area.
2.6. Provides historical information. Consults historical literature and records to provide information for officials and members of the general public.
2.7. Directs and conducts oral history collection. Plans oral history program, and supervises scheduling, conducting, and preserving of recorded interviews of significant historical events. Prepares for and conducts interviews.
2.8. Serves as historian with Air Force or Joint Service task forces. Deploys to theaters of operation as member of Contemporary Historical Examination of Current Operations team or Joint service history team. Acquires documentation, interviews participants, writes eyewitness accounts, and prepares historical reports. Participates in planning and exercises to ensure readiness for team deployment.
2.9. Reviews historical studies. Critically reviews and comments on historical manuscripts in preliminary draft stage.

3. Special Duty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: US Air Force organization, mission, history, and role in Joint Service operations; basic organization, roles, and missions of other services; unified command structure; and historical research methods and interviewing techniques.
3.2. Education. For entry into this SDI, a Master's degree, preferably in history or social sciences is mandatory for entry into this SDI.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. The following are mandatory for award and retention of this SDI:
3.5.1. Demonstrated ability to write competently, precisely, and descriptively.
3.5.2. Eligibility for a Top Secret security clearance according to AFI 31-501, *Personnel Security Program Management.*

SDI 85G0

UNITED STATES AIR FORCE HONOR GUARD

1. Special Duty Summary. Manages and directs activities of the USAF honor guard including recruiting, training, and commanding troops for official ceremonies, parades, and other diverse ceremonial functions and military honors as directed. Ceremonies include Armed Forces full honor arrival ceremonies conducted at the White House for the President and foreign heads of state, Joint Service and Air Force ceremonies, USAF precision rifle drill team exhibitions, and joint service and Air Force funerals at Arlington National Cemetery and in the national capital region. Related DoD Occupational Group: 7H.

2. Duties and Responsibilities:

2.1. Plans and organizes USAF honor guard activities. Determines requirements for ceremonial participation within the Washington DC area. Plans and establishes training programs, including marching drills, manuals of arms training, individual and group instruction, and military training. Organizes and supervises training of the USAF precision rifle drill team and various specialty details, including color bearers, firing part members, and pallbearers. Determines personnel requirements for honor guard activities, including supply, orderly room, unit armory, dormitory management, and initial and continuation training. Responsible for planning and acquiring equipment, supplies, space, and other facilities required for honor guard functions. Determines funds needed to support unit activities, and prepares budget justification. Develops, reviews, and improves work methods and procedures. Establishes performance standards and evaluates the initial and continuing qualification of honor guard personnel.

2.2. Directs USAF honor guard activities. Directs operation of the honor guard in military and quasi-military formations, including formal arrival ceremonies, military reviews, parades, memorial ceremonies, funerals, military and government functions, and military honors directed by Headquarters (HQ) USAF. Supervises training of honor guard personnel in technical aspects, functions, and movements of marching formations and specialized ceremonial details. Included are color teams; firing parties; pallbearers; manuals of arms; flag staff manuals; operation of orderly room, supply, dormitory, and weapons armory; and monitoring the status of equipment and weapons maintenance. Inspects honor guard activities to determine adequacy of training, technical performance, and operation of the orderly room, supply section, unit training, dormitory management, and weapons armory. Recommends action to correct deficiencies.

2.3. Coordinates USAF honor guard activities. Advises commander on the capabilities and use of the honor guard. Coordinates with staff offices such as the Military District of Washington for Air Force participation in Joint Service ceremonies; manpower; comptroller; public affairs; mortuary affairs to support funerals; and personnel to plan honor guard activities. Coordinates requests for honor guard support with interested agencies and higher authority to accomplish unit mission objectives.

2.4. Performs in USAF honor guard ceremonial functions. Functions as commander-of-troops, escort officer, Air Force member of Joint Service Honor Guard staffs, officer-in-charge of Air Force funerals and ceremonies, commander-of-troops for ceremonies at the Tomb of the Unknown Soldier, commander of Air Force military functions and formations involving the honor guard, and as directed by HQ USAF. Advises others as an authority on military ceremonies, functions, and policies in both Air Force and Joint Service ceremonies.

3. Special Duty Qualifications:

3.1. Knowledge. Knowledge is mandatory of: military customs and courtesies; unit administration; and organizations, mission, and functions of the USAF Honor Guard.

3.2. Education. Not used.

3.3. Training. Not used.

3.4. Experience. Not used.

3.5. Other. The following are mandatory for award and retention of this SDI:

3.5.1. Must present an impeccable appearance.

3.5.2. Be at least 5'10" and no more than 6'5" in height for men and at least 5'6" and no more than 6'5" in height for women.

3.5.3. If glasses are required, must be able to wear contact lenses.

3.5.4. Erect in posture, and able to stand for long periods of time.

3.5.5. Qualification criteria according to DoD 5200.2-R/AFPD 31-5, *Investigations, Clearances, and Program Requirements*.

SDI 86M0

OPERATIONS MANAGEMENT
(Created 31 Oct 96)

1. Special Duty Summary. Conducts operations training and scheduling; develops operational plans and programs; manages tactical deception activities; and provides commanders and staff with assessment of operations effectiveness. Interprets and disseminates inspection results and recommends action to correct deficiencies and improve performance. Related DOD Occupational Group: 2G.

2. Duties and Responsibilities:
2.1. Develops operational training plans and evaluates effectiveness of training programs. Supervises academic and military training of crew members to ensure certification, adequacy of instruction, proper briefing procedures, and adequacy of weather, navigation, and communications facilities. Coordinates training programs with staff agencies; conducts critiques on training programs; develops procedures for improving operations; and advises commander on status of operational training programs. Analyzes and evaluates training programs, reports, and status charts to determine effectiveness, and ensure compliance with governing directives.
2.2. Develops operational plans and organizes operational programs. Interprets and translates policy from higher authority into specific guidance for operations. Develops operational concepts, translates support missions into force requirements, establishes procedures, and monitors plans and programs to implement Air Force, joint, and combined operations. Coordinates with other agencies to identify shortfalls and limiting factors affecting operational plans. Drafts exercise plans. Reviews and coordinates final exercise directives. Evaluates and analyzes operational exercise plans to determine unit operating effectiveness.
2.3. Manages inspection programs and evaluates operations effectiveness. Serves as the inspector general point of contact and acts as command monitor for inspection reports and special interest items. Inspects units and activities for compliance with directives and standardization of operation. Manages the base exercise evaluation team program. Monitors readiness of communications, logistics, personnel, and other support functions directly affecting unit mission. Assists in planning, executing, evaluating, and critiquing base-wide emergency and contingency exercises. Develops exercise objectives and scenario events list. Debriefs exercise participants and publishes written reports.

3. Special Duty Qualifications:
3.1. Knowledge. Not used.
3.2. Education. For entry into this special duty, an undergraduate degree in business administration, personnel management, or aviation management is desirable.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. Not used.

SDI 86P0

COMMAND AND CONTROL
(Created 31 Oct 96)

1. Special Duty Summary: Plans, organizes, and directs operation of command posts, operations centers, and control centers. Ensures positive control of assigned forces and weapon systems using command, control, and communication systems. Interprets, implements, and controls data contained in command and control (C2) systems. Briefs C2 operational requirements. Analyzes and evaluates emergency war orders. Supports C2 planning, programming, and budgeting process functions. Related DOD Occupational Group: 2G.

2. Duties and Responsibilities:
2.1. Operates and monitors voice and electronic communication systems. Maintains, monitors, and ensures communications systems integrity and readiness status. Monitors installation upgrades and modifications of communication systems and facilities.
2.2. Directs C2 activities. Briefs commander and staff, prepares situation updates, and develops graphic displays. Monitors special instruction issues and classified materials related to emergency action (EA) requirements. Receives, controls, uses, and destroys communication security materials. Prepares C2 records, reports, schedules, correspondence, and recurring training requirements. Observes and evaluates C2 programs and personnel.
2.3. Initiates emergency staff actions. Ensures execution of operations plans and positive control of assigned weapon systems. Processes EA messages, extracts pertinent information from emergency war order, and transmits instructions to launch and execute forces. Initiates contingency and operations plans in response to emergency situations. Coordinates with other agencies to expedite traffic movement, airlift, and resource deployment. Reports on status of forces.
2.4. Plans, organizes, and coordinates C2 activities. Translates directives into specific guidance for unit action. Coordinates with other agencies when planning, evaluating, and executing C2 orders and operations. Evaluates qualifications of C2 personnel. Reviews operational reports, interprets inspection results, and recommends corrective actions. Develops plans for emergency and contingency activities.
2.5. Analyzes and monitors management data requirements. Controls work flow and checks methods used to process and audit data used in C2 reporting systems. Reviews data for accuracy and conformance with prescribed procedures. Analyzes management data needs and defines data requirements.

3. Special Duty Qualifications:
3.1. Knowledge. Not used.
3.2. Education. For entry into this special duty, an undergraduate degree in business, communications, or aviation is desirable.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. Not used.

87G0

INSPECTOR GENERAL
(Created 31 Oct 96)

1. Special Duty Summary. Plans, directs, conducts, and monitors inspector general (IG) programs and equipment. Provides policy guidance, procedures, planning, oversight, and direction for implementing the Air Force's Inspection System, Complaints Program, and Fraud, Waste, and Abuse (FWA) Program at center, wing, and installation levels. Related DoD Occupational Group: 7L.

2. Duties and Responsibilities:
2.1. Plans, directs, conducts, and monitors IG activities. Operates and manages the Office of the Inspector General. Responsible for overall operation, administration, and management of IG programs. Formulates, plans, and establishes guidance and direction for administration, operation, training, employment, maintenance, supply, and safety of IG programs, resources, and activities supporting inspection programs; Quality Air Force Assessments (QAFA); complaints processing; FWA; military reprisal investigations and whistle blower protection; administrative investigations; use, denial, and release of IG records; and related education and awareness programs.
2.2. Organizes IG activities. Develops, establishes, and controls methods and procedures to implement IG policies and programs. Provides direction and policy guidance concerning IG programs, plans, requirements, management, and information flow to support inspections, QAFA, complaint processing, FWA, records release, congressional inquiries, and provide assistance and referral services.
2.3. Provides IG support. Maintains liaison with complainants and those seeking information. Determines customer needs through analysis of information. Establishes Office of the Inspector General procedures to receive, process, refer, and manage information, resources, assets, and activities to support operation and management of the Air Force's Inspection System, Complaints Program, and FWA Program. Directs and oversees office management. Advises personnel on IG responsibilities, policies, services, and programs. Conducts and monitors IG activities supporting inspections, QAFA, complaints processing, FWA, reprisal and military whistle blower protection, administrative investigations, release of IG complaint records and information, and referral services to ensure mission accomplishment. Trains commanders and educates base personnel on IG issues and procedures.
2.4. Reviews and evaluates IG programs and activities. Reviews and analyzes methods, procedures, practices, processes, and systems used to accomplish IG activities and functions. Initiates corrective action. Evaluates effectiveness of IG support and office management.
2.5. Assesses readiness, discipline, efficiency, and economy of assigned Air Force units and reports findings to the installation commander and higher headquarters. Conducts readiness exercise and evaluation activities. Reviews inspection reports, conducts inspections, and oversees and manages readiness exercise evaluations.

3. Special Duty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: operational employment concepts, Air Force leadership and management concepts and objectives, and their relationship to mission accomplishment.
3.2. Education. For entry into this SDI, a Master's degree in management, industrial management, education, psychology, public administration, or business administration with a major in management is desirable.
3.3. Training. For retention of this SDI, completion of the Air Force IG School or the Inspections course and the Complaints course via the Air Force Inspection Agency's Mobile Training Team is mandatory.
3.4. Experience. Not used.
3.5. Other. For entry, award, and retention of the SDI, the following are mandatory as indicated:
3.5.1. No Unfavorable Information File, civil convictions (other than minor traffic violations), or open IG investigations.
3.5.2. Demonstrated ability to prepare written reports.
3.5.3. Recommendation by unit commander.
3.5.4. Outstanding appearance and military bearing and conduct.
3.5.5. Eligibility for a Top Secret security clearance according to AFI 31-501, *Personnel Security Management Program*.

SDI 88A0

AIDE-DE-CAMP
(Created 31 Oct 96)

1. Special Duty Summary. Performs primary duty as an aide-de-camp for the Secretary of the Air Force, Chief of Staff of the Air Force, Vice Chief of Staff of the Air Force, Commanders O-8 through O-10, Deputy or Vice Commanders O-8 through O-10 serving at an installation different than the Commander, or General Officers O-8 through O-10 serving outside the Air Force on a case-by-case basis. Related DoD Occupational Group: 7A.

2. Duties and Responsibilities:
2.1. Travels with the Secretary of the Air Force or a general officer authorized an aide-de-camp.
2.2. Performs duties as assigned.

3. Special Duty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: current military customs and courtesies, USAF organization, missions, history, and policies.
3.2. Education. For entry into this SDI, no specific undergraduate degree is required.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. The following are mandatory for entry, award, and retention of this RI:
3.5.1. Impeccable military bearing and appearance.
3.5.2. Demonstrated ability to organize complex projects attested to in performance reports or commander's recommendation, or both.
3.5.3. Capability and willingness for extensive travel.
3.5.4. Additional qualification criteria for aide-de-camp positions may be found in the electronic bulletin board announcements for aide-de-camp officer assignments.

SDI 88P0

PROTOCOL
(Created 31 Oct 96)

1. Special Duty Summary. Performs protocol duty at wing level or above. Provides protocol support to distinguished visitors (DV) DV-1 (President of the United States) through DV-6 (General Officer), civilian and foreign equivalents, and transient DVs. Related DoD Occupational Group: 7A.

2. Duties and Responsibilities:
2.1. Directly supports the commander and vice commander in handling all aspects of visits, conferences, tours, and social functions initiated within the command, and those tasked by the offices of the Secretary of Defense, Chief Joint Chiefs of Staff, Secretary of the Air Force, and Chief of Staff of the Air Force.
2.2. Arranges travel for the commander and vice commander, including scheduling travel, preparing trip folders, arranging billeting, and preparing itinerary.
2.3. Manages commander's recognition programs and special ceremonies (medal presentations, individual recognition, etc.), including scheduling events, determining need for audiovisual equipment, obtaining decorations, awards, etc., gathering biographies and guest information, preparing agendas, and setting up locations.
2.4. Advises commander and staff on military customs, courtesies, USAF organizations, missions, history, and policies.

3. Special Duty Qualifications:
3.1. Knowledge. Not used.
3.2. Education. For entry into this SDI, no specific undergraduate degree is required.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. The following are mandatory for entry, award, and retention of this SDI:
3.5.1. Outstanding appearance and military bearing.
3.5.2. Demonstrated ability to organize complex projects attested to in performance reports or commander's recommendation, or both.
3.5.3. Additional qualification criteria for protocol positions may be found in the electronic bulletin board announcements for protocol officer assignments.

Attachment 5

INTRODUCTION

OPERATIONS CAREER AREA (1XXX)

The Operations Career Area encompasses utilization fields that directly employ weapon and supporting systems to accomplish the primary operational mission of the Air Force. Included are Operations Commander, Pilot, Navigator, Astronaut, Command and Control, Space and Missile, Intelligence, Weather, and Operations Support. Use AFSC 10C0 to identify Operations Group Commanders. Use prefix C with pilot and navigator AFSCs 11X3 and 12X3 to identify commanders of squadrons with flying missions. Use prefix C with AFSCs 13X3, 14N3, 15N3, and 16X3 to identify commanders of appropriate units.

Use the pilot or navigator AFSC appropriate to the type of mission and weapon system flown to identify commanders and operations officers of all squadrons with flying as their primary mission, and to identify primary duty instructor pilots and navigators in operational units. Commensurate with grade and experience, duties as squadron commander, squadron operations officer, and instructor pilot or navigator are an inherent responsibility of rated officer specialties.

The Operations Commander coordinates and directs the efforts and resources of Operations units to meet mission goals and objectives. The following is a complete listing of the Operations Career Area.

Operations	
10C0	Operations Commander
Pilot	
11AX	Airlift Pilot
11BX	Bomber Pilot
11EX	Test Pilot
11FX	Fighter Pilot
11GX	Generalist Pilot
11HX	Helicopter Pilot
11KX	Trainer Pilot
11RX	Reconnaissance/Surveillance/Electronic Warfare Pilot
11SX	Special Operations Pilot
11TX	Tanker Pilot, C-12 CTP
Navigator	
12AX	Airlift Navigator
12BX	Bomber Navigator
12EX	Test Navigator
12FX	Fighter Navigator
12GX	Generalist Navigator
12KX	Trainer Navigator
12RX	Reconnaissance/Surveillance/Electronic Warfare Navigator
12SX	Special Operations Navigator
12TX	Tanker Navigator
Space, Missile, and C2	
13AX	Astronaut
13BX	Air Battle Management
13DX	Combat Control
13MX	Air Traffic Control
13SX	Space & Missile

Intelligence	
14NX	Intelligence
Weather	
15WX	Weather
Operations Support	
16AX	Air Attaché
16GX	Air Force Operations Staff Officer
16PX	International Politico-Military Affairs
16RX	Planning & Programming

AFSC 10C0

OPERATIONS COMMANDER

1. Specialty Summary. Commands and directs administration, training, and employment of Operations Groups. Related DoD Occupational Group: 1B.

2. Duties and Responsibilities:
2.1. Commands units. Formulates plans and establishes policies for unit administration, operations, training, employment, maintenance, supply, and safety. Implements directives and operations orders from higher headquarters.
2.2. Coordinates unit activities. Coordinates staff activities pertaining to administration, operations, intelligence, material, comptroller, planning, and programming to ensure accomplishment of unit mission.
2.3. Directs and monitors unit activities. Directs, observes, and evaluates effectiveness of training programs, availability and combat readiness of assigned crews, and operation and adequacy of support activities.

3. Specialty Qualifications:
3.1. Knowledge. For award and retention of this AFSC, working knowledge of leadership skills and operational employment concepts is mandatory.
3.2. Education. For entry into this specialty, a Master's degree in management, or business administration with a major in management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For commanders of flying Groups, completion of Air Force pilot or navigator training.
3.3.2. For commanders of space or missile operations groups, completion of Air Force space or missile operations or maintenance training.
3.4. Experience. Not used.
3.5. Other. Not used.

INTRODUCTION

PILOT UTILIZATION FIELD (11XX)

The Pilot Utilization Field encompasses all functions performed by rated pilot officers to conduct or directly support flying operations, including combat, combat support, and training missions. Inherently included are supervisory and staff functions such as inspection, contingency planning, and policy formulation.

Specific instruction on use of certain AFSCs:

Identify pilots with 11XX specialties appropriate to the type of missions and weapon system involved. Use the following prefixes to identify additional rated qualifications and experience, and unit manpower document positions that require these capabilities:

B - Squadron Operations/Maintenance Officer.
C - Commander.
F - Aircraft Systems Flight Evaluation.
G - Automated Systems Program Designer.
H - Military Consultant to the Surgeon General.
K - Instructor for weapon system designated by AFSC.
L - Life Support.
M - Medical Service Specialist (Physiological Training Instructor).
P - Pilot Required.
Q - Standardization or Flight Examiner for Weapon system designated by AFSC.
S - Safety.
T - Formal Training Instructor.
V - Automated Functional Applications Analyst.
W - Weapons and Tactics Instructor.
Y - Analytical Studies Officer.

Identify pilots serving as instructor pilots in undergraduate pilot training and formal training units (FTU) with a T prefix. Do not award a T prefix to instructor pilots in operational units. Prefix K identifies these instructors and authorizations.

In each fixed-wing major weapon system (MWS) specialty, use suffix R to identify pilots serving as Flight Screening Program instructors in the T-3 or T-41. Use suffix S to identify pilots serving as Undergraduate Pilot Training Phase II instructors (T-34/T-37). Use suffix T to identify pilots serving as Undergraduate Pilot Training Phase III instructors (T-1, T-38, or T-44). For classification purposes, Europe-NATO Joint Jet Pilot Training (ENJJPT) and Pilot Instructor Training (PIT) duty is included in the S and T suffixes.

Pilots assigned to duty as Aerospace Physiology Instructors, after completion of formal training, may be identified by prefix M. The Chief, Flight Medicine, Air Force Medical Operations Agency, validates positions and awards the AFSC.

Identify requirements for staff officers above wing level with a staff AFSC (11X4). Award individuals possessing a qualified AFSC (11X3) or a staff AFSC (11X4) upon assignment to a position so identified.

Qualification level 3 designates a pilot qualified as an aircraft commander in the assigned specialty or credit. Level 2 identifies qualification as a copilot, if appropriate, for a specific system. Level 1 identifies rated pilots at the entry level for their specialty.

Current aeronautical rating and qualification for aviation service according to AFI 11-402, *Aviation and Parachutist Service, Aeronautical Ratings and Badges* are mandatory for award and retention of pilot AFSCs. See AFI 36-2101, *Classifying Military Personnel (Officers and Airmen)* for policy on retention or withdrawal of rated AFSCs for personnel disqualified from aviation service or placed in an inactive status. The following is a complete listing of .AFSCs for the Pilot Utilization Field.

UTILIZATION FIELD	*AFSC	AIR FORCE SPECIALTY TITLE
PILOT	11A4* 11A3* 11A2* 11A1	Airlift Pilot A - C-5 B - C-9 C - C-12 D - C-17 E - C-20 F - C-21 G - VC-25 H - C-26 J - C-27 K - C-130 L - C-135/C-137 M - C-141 N - T-43 P - SUNT (T-1/T-2/T-34/T-38) R - FSP Instr (T-3/T-41) S - SUPT Phase II Instr (T-34/T-37) T - SUPT Ph III Instr (T-1/T-38/T-44) U - ALO V - Inter-Theater Airlift, General W - Intra-Theater Airlift, General Y - General Z - Other
	11B4* 11B3* 11B2* 11B1*	Bomber Pilot A - B-1 B - B-2 C - B-52 M - T-37 ACE/CTP N - T-38 ACE/CTP P - SUNT(T-1/T-2/T-34/T-38) R - FSP Instr (T-3/T-41) S - SUPT Phase II (T-34/T-37) T - SUPT Ph III (T-1/T-38/T-44) U - ALO Y- General Z - Other
	11E4* 11E3* 11E1*	Experimental Test Pilot A - Airlift/Tanker/ Bomber B - Fighter C - Helicopter/VSTOL Q - Msn Spt (T-38, etx) P - SUNT (T-1/T-2/T-34/T-38) R - FSP Instr (T-3/T-41) S - SUPT Phase II Instr (T-34/T-37) T - SUPT Ph III Instr (T-1/T-38/T-44) U - ALO Y - General Z - Other
	11F4* 11F3* 11F1*	Fighter Pilot A - A-7 B - A-10 C - F-4 D - F-4G E - RF-4 F - F-15 G - F-15E H - F-16 J - F-22 K - F-111 L - EF-111 M - F-117 N - OA-10 P - SUNT (T-1/T-2/T-34/T-38) Q - AT-38 R - FSP Instr (T-3/T-41) S - SUPT Ph II (T-34/T-37) T - SUPT Ph III (T-1/T-38/T-44) U - ALO V - EA-6B Y - General Z - Other
	11G4 11G3	Generalist Pilot
	11H4* 11H3* 11H2* 11H1*	Helicopter Pilot A - HH-1H B - UH-1H C - UH-1N D - HH-3 E - HH-60 T - SUPT-H Instr (UH-1/TH-67) U - ALO W - CSR, General Y - General Z - Other
	11K4* 11K3* 11K1*	Trainer Pilot A -T-1 SUPT(FAIP/Other) B - T-3/T-41 C - T-34/T-37 SUPT (FAIP/Other) D - T-38/T-44 SUPT (FAIP/Other) G - SUNT(T-1/T-2/T-34/T-38)(FAIP/Other) L - C-12 CTP M - T-37 ACE/CTP N- T-38 ACE/CTP U - ALO Y - General Z – Other

UTILIZATION FIELD	*AFSC	AIR FORCE SPECIALTY TITLE
PILOT (continued)	11R4* 11R3* 11R2* 11R1*	Reconnaissance/Surveillance/Electronic Warfare Pilot A - E-3 J - TR-1/U-2 B - E-4 L - E-8 C - EC-130 P - SUNT (T-1/T-2/T-34/T-38) D - HC-130 R - FSP Instr (T-3/T-41) E - WC-130 S - SUPT Ph II Instr (T-34/T-37) F - EC-135 T - SUPT Ph III Instr (T-1/T-38/T-44) G - RC-135 U - ALO H - WC/OC-135 Y - General Z - Other
	11S4* 11S3* 11S2* 11S1*	Special Operations Pilot A - MH-53 R - FSP Instr (T-3/T-41) B - MH-60 S - SUPT Phase II Instr (T-34/T-37) C - AC-103H T - SUPT Ph III Instr (T-1/T-38/T-44) D - AC-130U U - ALO E - HC-130 V - SOF Helicopter, General F - MC-130E W - SOF Fixed Wing, General G - MC-130H Y - General P - SUNT(T-1/T-2/T-34/T-38) Z - Other
	11T4* 11T3* 11T2* 11T1*	Tanker Pilot A - KC-10 R - FSP Instr (T-3/T-41) B - KC-135 S - SUPT Phase II Instr (T-34/T-37) L - C-12 CTP T - SUPT Ph III Instr (T-1/T-38/T-44) M - T-37 ACE/CTP U - ALO N - T-38 ACE/CTP Y - General P - SUNT(T-1/T-2/T-34/T-38) Z - Other

Staff AFSC 11A4*
Aircraft Commander AFSC 11A3*
Qualified Pilot/Copilot AFSC 11A2*
Entry/Student AFSC 11A1*

AIRLIFT PILOT
(Changed 30 Apr 99)

1. Specialty Summary. Pilots airlift aircraft and commands crews to accomplish airlift, training, and other missions. Related DoD Occupational Group: 2B.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Supervises mission planning, preparation, filing a flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Pilots aircraft and commands crew. Operates aircraft controls and equipment. Performs, supervises, or directs navigation, in-flight refueling, and cargo and passenger delivery.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Pilot Training (SUPT).
3.3.2. For award of AFSC 11A2X, completion of transition and operational training in the suffix specific aircraft.
3.4. Experience. For upgrade to AFSCs 11A2X/3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of this AFSC, current aeronautical rating and qualification for aviation service as pilot.
3.5.2. For award of AFSC 11A3X, certification of aircraft commander qualification by appropriate operations authority.

★4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	C-5
B	C-9
C	C-12
D	C-17
★E	C-20/C-37
F	C-21
G	VC-25
H	C-26
J	C-27
K	C-130
★L	C-32/C-135/C-137
M	C-141
N	T-43
P	SUNT (T-1/T-2/T-34/T-38)
R	Flight Screening Program (FSP) Instructor (T-3/T-41)
S	SUPT Phase II Instructor (T-34/T-37)
T	SUPT Phase III Instructor (T-1/T-38/T-44)

Suffix	*Portion of AFS to Which Related*
U	Air Liaison Officer (ALO)
V	Inter-Theater Airlift, General
W	Intra-Theater Airlift, General
Y	General
Z	Other

Staff AFSC 11B4*
Aircraft Commander AFSC 11B3*
Qualified Pilot/Copilot AFSC 11B2*
Entry/Student AFSC 11B1*

BOMBER PILOT

1. Specialty Summary. Pilots bomber aircraft and commands crews to accomplish airlift, training, and other missions. Related DoD Occupational Group: 2A.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Supervises mission planning, preparation, and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Pilots aircraft and commands crew. Operates aircraft controls and equipment. Performs, supervises, or directs navigation, in-flight refueling, and weapons delivery.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. *Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Pilot Training (SUPT).
3.3.2. For award of AFSC 11B2X, completion of transition and operational training in the suffix specific aircraft.
3.4. Experience. For upgrade to AFSCs 11B2X/3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of this AFSC, current aeronautical rating and qualification for aviation service as pilot.
3.5.2. For award of AFSC 11B3X, certification of aircraft commander qualification by appropriate operations authority.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	B-1
B	B-2
C	B-52
M	T-37 Accelerated Copilot Enrichment (ACE)/Companion Trainer Program (CTP)
N	T-38 ACE/CTP
P	SUNT (T-1/T-2/T-34/T38)
R	Flight Screening Program (FSP) Instructor (T-3/T-41)
S	SUPT Phase II Instructor (T-34/T-37)
T	SUPT Phase III Instructor (T-1/T-38/T-44)
U	Air Liaison Officer (ALO)
Y	General
Z	Other

Staff AFSC 11E4*
Aircraft Commander AFSC 11E3*
Entry/Student AFSC 11E1*

EXPERIMENTAL TEST PILOT

1. Specialty Summary. Plans, conducts, directs, and reports on flight test programs associated with the design, development, and modification of aircraft, aerospace vehicles, flight simulators, and related systems. Related DoD Occupational Group: 2B.

2. Duties and Responsibilities:
2.1. Plans and conducts flight test activities. Formulates test procedures and conducts tests to evaluate structural integrity, performance, handling characteristics, reliability, and suitability of aircraft and systems.
2.2. Manages research, test and evaluation projects, and programs. Integrates test objectives, organizes and directs test forces, and supervises flight operations.
2.3. Identifies design and operational deficiencies and recommends improvements. Prepares technical reports and recommendations for design improvements.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of aircraft performance and handling fundamentals, operational employment concepts, and flight test procedures.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, or engineering is mandatory.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Pilot Training (SUPT).
3.3.2. For award of AFSC 11E3X, completion of the Air Force Test Pilot School, Experimental Test Pilot Course, or equivalent U.S. Navy or foreign test pilot school is mandatory.
3.4. Experience. For upgrade to AFSC 11E3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of this AFSC, current aeronautical rating and qualification for aviation service as pilot.
3.5.2. For award of AFSC 11E3X, certification of aircraft commander qualification by appropriate operations authority.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Airlift/Tanker/Bomber
B	Fighter
C	Helicopter/VSTOL
P	SUNT (T-1/T-2/T-34/T38)
Q	Mission Support (T-38, etc.)
R	Flight Screening Program (FSP) Instructor (T-3/T-41)
S	SUPT Phase II Instructor (T-34/T-37)
T	SUPT Phase III Instructor (T-1/T-38/T-44)
U	Air Liaison Officer (ALO)
Y	General
Z	Other

Staff AFSC 11F4*
Aircraft Commander AFSC 11F3*
Entry/Student AFSC 11F1*

FIGHTER PILOT

1. Specialty Summary. Pilots fighter aircraft and commands crews to accomplish combat, training, and other missions. Related DoD Occupational Group: 2A.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Supervises mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Pilots aircraft and commands crew. Operates aircraft controls and equipment. Performs, supervises, or directs navigation, in-flight refueling, and weapons delivery.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Pilot Training (SUPT).
3.3.2. For award of AFSC 11F3X, completion of transition and operational training in the suffix specific aircraft.
3.4. Experience. For upgrade to AFSCs 11F3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of this AFSC, current aeronautical rating and qualification for aviation service as pilot.
3.5.2. For award of AFSC 11F3X, certification of aircraft commander qualification by appropriate operations authority.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	A-7
B	A-10
C	F-4
D	F-4G
E	RF-4
F	F-15
G	F-15E
H	F-16
J	F-22
K	F-111
L	EF-111
M	F-117
N	OA-10
P	SUNT (T-1/T-2/T-34/T38)
Q	AT-38
R	Flight Screening Program (FSP) Instructor (T-3/T-41)

Suffix	*Portion of AFS to Which Related*
S	SUPT Phase II Instructor (T-34/T-37)
T	SUPT Phase III Instructor (T-1/T-38/T-44)
U	Air Liaison Officer (ALO)
V	EA-6B
Y	General
Z	Other

Staff AFSC 11G4
Qualified AFSC 11G3

GENERALIST PILOT

1. Specialty Summary. Develops plans and policies, monitors and evaluates operations, coordinates staff activities, and advises commanders. Related DOD Occupational Group: 2G.

2. Duties and Responsibilities. Monitors, evaluates, and directs flying operations and training programs. Develops requirements for equipment and training. Prepares and coordinates budgets. Analyzes rated manpower requirements and formulates personnel policies. Prepares, coordinates, and disseminates policy directives and implementing instructions. Develops contingency plans.

3. Specialty Qualifications. For entry into this specialty, prior qualification in any pilot AFSC (11X3) is mandatory.
3.1. Knowledge. Not used.
3.2. Education. Not used.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. Not used.

NOTE: These AFSCs are only authorized to identify nonflying positions where designation of a specific pilot AFSC is not feasible. Use of shredouts with these AFSCs is not authorized.

Staff AFSC 11H4*
Aircraft Commander AFSC 11H3*
Qualified Pilot/Copilot AFSC 11H2*
Entry/Student AFSC 11H1*

HELICOPTER PILOT

1. Specialty Summary. Pilots helicopter aircraft and commands crews to accomplish combat, training, and other missions. Related DoD Occupational Group: 2C.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Supervises mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Pilots aircraft and commands crew. Operates aircraft controls and equipment. Performs, supervises, or directs navigation, in-flight refueling, rescue operations and cargo and passenger delivery.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Pilot Training (SUPT)/Helicopter.
3.3.2. For award of AFSC 11H2X, completion of transition and operational training in the suffix designated aircraft.
3.4. Experience. For upgrade to AFSCs 11H2X/3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of this AFSC, current aeronautical rating and qualification for aviation service as pilot.
3.5.2. For award of AFSC 11H3X, certification of aircraft commander qualification by appropriate operations authority.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	HH-1H
B	UH-1H
C	UH-1N
D	HH-3
E	HH-60
T	SUPT-H Instructor (UH-1/TH-67)
U	Air Liaison Officer (ALO)
W	Combat Search and Rescue, General
Y	General
Z	Other

Staff AFSC 11K4*
Aircraft Commander AFSC 11K3*
Entry/Student AFSC 11K1*

TRAINER PILOT

1. Specialty Summary. Pilots trainer aircraft to accomplish the pilot training mission. Related DoD Occupational Group: 2B.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews syllabus requirements, student progress, and weather information. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Pilots aircraft and commands crew. Operates aircraft controls and equipment. Performs, supervises, or directs navigation, transition training events, and instrument training.
2.3. Conducts or supervises training of crew members. Ensures optimum training opportunities and progress by conducting or supervising student training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Pilot Training (SUPT)/Helicopter.
3.3.2. For award of AFSC 11K3X, completion of transition and operational training in the suffix designated aircraft.
3.4. Experience. For upgrade to AFSCs 11K3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of this AFSC, current aeronautical rating and qualification for aviation service as pilot.
3.5.2. For award of AFSC 11K3X, certification of aircraft commander qualification by appropriate operations authority.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	T-1 SUPT (First Assignment Instructor Pilot (FAIP)/Other)
B	T-3/T-41
C	T-34/T-37 SUPT (FAIP/Other)
D	T-38/T-44 SUPT (FAIP/Other)
G	SUNT T-1/T-2/T-34/T-38 (FAIP/Other)
L	C-12 Companion Trainer Program (CTP)
M	T-37 Accelerated Copilot Enrichment (ACE)/CTP
N	T-38 ACE/CTP
U	Air Liaison Officer (ALO)
Y	General
Z	Other

Staff AFSC 11R4*
Aircraft Commander AFSC 11R3*
Qualified Pilot/Copilot AFSC 11R2*
Entry/Student AFSC 11R1*

RECONNAISSANCE/SURVEILLANCE/ELECTRONIC WARFARE PILOT

1. Specialty Summary. Pilots specialized mission aircraft and commands flight crews to accomplish reconnaissance, surveillance, search and rescue, electronic warfare, training, and other missions. Related DoD Occupational Group: 2A.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Supervises mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Pilots aircraft and commands crew. Operates aircraft controls and equipment. Performs, supervises, or directs navigation, in-flight refueling, surveillance, reconnaissance and search and rescue operations.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Pilot Training (SUPT).
3.3.2. For award of AFSC 11R2X, completion of transition and operational training in the suffix specific aircraft.
3.4. Experience. For upgrade to AFSCs 11R2X/3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of this AFSC, a current aeronautical rating and qualification for aviation service as a pilot.
3.5.2. For award of AFSC 11R3X, certification of aircraft commander qualification by appropriate operations authority.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	E-3
B	E-4
C	EC-130
D	HC-130
E	WC-130
F	EC-135
G	RC-135
H	WC/OC-135
J	TR-1/U-2
L	E-8
P	SUNT (T-1/T-2/T-34/T-38)
R	Flight Screening Program (FSP) Instructor (T-3/T-41)

Suffix	*Portion of AFS to Which Related*
S	SUPT Phase II Instructor (T-34/T-37)
T	SUPT Phase III Instructor (T-1/T-38/T-44)
U	Air Liaison Officer (ALO)
Y	General
Z	Other

Staff AFSC 11S4*
Aircraft Commander AFSC 11S3*
Qualified Pilot/Copilot AFSC 11S2*
Entry/Student AFSC 11S1*

SPECIAL OPERATIONS PILOT
(Changed 30 Apr 99)

1. Specialty Summary. Pilots special operations aircraft (fixed-wing or helicopter) and commands crews to accomplish special operations, training, and other missions. Related DoD Occupational Group: 2A.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Supervises mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Pilots aircraft and commands crew. Operates aircraft controls and equipment. Performs, supervises, or directs navigation, in-flight refueling, reconnaissance, weapons delivery, and cargo and passenger delivery.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Pilot Training (SUPT).
3.3.2. For award of AFSC 11S2X, completion of transition and operational training in the suffix specific aircraft.
3.4. Experience. For upgrade to AFSCs 11S2X/3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of this AFSC, current aeronautical rating and qualification for aviation service as pilot.
3.5.2. For award of AFSC 11S3X, certification of aircraft commander qualification by appropriate operations authority.

★4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	MH-53
B	MH-60
C	AC-130H
D	AC-130U
E	HC-130
F	MC-130E
G	MC-130H
★J	CV-22
P	SUNT (T-1/T-2/T-34/T-38)
R	Flight Screening Program (FSP) Instructor (T-3/T-41)
S	SUPT Phase II Instructor (T-37)
T	SUPT Phase III Instructor (T-1/T-38)
U	Air Liaison Officer (ALO)
V	Special Operations Forces (SOF) Helicopter, General
W	SOF Fixed Wing, General
Y	General
Z	Other

Staff AFSC 11T4*
Aircraft Commander AFSC 11T3*
Qualified Pilot/Copilot AFSC 11T2*
Entry/Student AFSC 11T1*

TANKER PILOT

1. Specialty Summary. Pilots tanker aircraft and commands crews to accomplish air refueling, airlift, training, and other missions. Related DoD Occupational Group: 2B.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Supervises mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Pilots aircraft and commands crew. Operates aircraft controls and equipment. Performs, supervises, or directs navigation, in-flight refueling, and weapons delivery.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Pilot Training (SUPT).
3.3.2. For award of AFSC 11T2X, completion of transition and operational training in the suffix specific aircraft.
3.4. Experience. For upgrade to AFSCs 11T2X/3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of this AFSC, current aeronautical rating and qualification for aviation service as pilot.
3.5.2. For award of AFSC 11T3X, certification of aircraft commander qualification by appropriate operations authority.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	KC-10
B	KC-135
L	C-12 Companion Trainer Program (CTP)
M	MT-37 Accelerated Copilot Enrichment (ACE)/CTP
N	T-38 ACE/CTP
P	SUNT (T-1/T-2/T-34/T-38)
R	Flight Screening Program (FSP) Instructor (T-3/T-41)
S	SUPT Phase II Instructor (T-37)
T	SUPT Phase III Instructor (T-1/T-38)
U	Air Liaison Officer (ALO)
Y	General
Z	Other

Introduction

NAVIGATOR UTILIZATION FIELD (12XX)

The Navigator Utilization Field encompasses all functions performed by rated navigator officers to conduct or directly support flying operations, including combat, combat support, and training missions. Inherently included are supervisory and staff functions such as inspection, contingency planning, and policy formulation.

Specific instruction on use of certain AFSCs:

Identify navigators by the 12XX specialties appropriate to the type of missions and weapon system involved. Use the following prefixes to identify additional rated qualifications and experience, and unit manpower document positions that require these capabilities:

B - Squadron Operations/Maintenance Officer.
C - Commander.
F - Aircraft Systems Flight Evaluation.
G - Automated Systems Program Designer.
H - Military Consultant to the Surgeon General.
K - Instructor for weapon system designated by AFSC.
L - Life Support.
M - Medical Service Specialist (Physiological Training Instructor).
N - Navigator Required.
Q - Standardization or Flight Examiner for Weapon system designated by AFSC.
S - Safety.
T - Formal Training Instructor.
V - Automated Functional Applications Analyst.
W - Weapons and Tactics Instructor.
Y - Analytical Studies Officer.

Identify navigators serving as instructors in undergraduate navigator training and formal training units (FTU) with a T prefix. Do not award the T prefix to instructor navigators in operational units. Prefix K identifies these instructors and authorizations.

In each major weapon system (MWS) specialty, use suffix T to identify navigators serving as Specialized Undergraduate Navigator Training (SUNT) instructors. Only use suffix S to identify electronic warfare officers (EWO) serving as SUNT instructors.

Navigators assigned to duty as Aerospace Physiology Instructors, after completion of formal training, may be identified by prefix M. The office of the Chief, Flight Medicine, Air Force Medical Operations Agency validates positions and awards AFSCs.

Identify requirements for staff officers above wing level with a staff AFSC (12X4). Award individuals possessing a qualified AFSC (12X3) a staff AFSC (12X4) upon assignment to a position so identified.

Qualification level 3 designates a navigator qualified in the assigned specialty or shredout. Level 2 may be used to designate qualification at an intermediate level, if appropriate, for a specific shredout in AFSC 12BX. Level 1 identifies rated navigators at the entry level for their specialty.

Current aeronautical rating and qualification for aviation service according to AFI 11-402, *Aviation and Parachutists Servic*e are mandatory for award and retention of navigator AFSCs. See AFI 36-2101, *Classifying Military Personnel (Officers and Airmen)* for policy on retention or withdrawal of rated AFSCs for personnel disqualified from aviation service or placed in an inactive status. The following is a complete listing of .AFSCs for the Navigator Utilization Field.

UTILIZATION FIELD	AFSC	AIR FORCE SPECIALTY TITLE
NAVIGATOR	12A4* 12A3* 12A1*	Airlift Navigator A - C-5 B - VC-25 C - C-130 D - C-135/C-137 E - C-141 T - SUNT Instr U - ALO V - Inter-Theater Airlift, General W - Intra-Theater Airlift, General Y - General Z - Other
	12B4* 12B3* 12B2* 12B1*	Bomber Navigator A - B-1 Def Sys Officer B - B-1 Off Sys Officer C - B-1 WSO D - B-52 EWO E - B-52 Nav/Radar Nav S - SUNT Instr EWO T - SUNT Instr U - ALO W - EWO, General Y - General Z - Other
	12F4* 12F3* 12F1*	Fighter Navigator A - F-4 WSO B - F-4 EWO C - F-4G EWO D - RF-4 WSO E - RF-4 EWO F - F-15E WSO G - F-15E EWO H - F-111 WSO J - F-111 EWO K - EF-111 EWO S - SUNT Instr EWO T - SUNT Instr U - ALO V - EA-6B W - EWO, General Y - General Z - Other
	12G4 12G3	Generalist Navigator
	12K4* 12K3* 12K1*	Trainer Navigator A - SUNT, General B - EWO, General/Other Y - General Z - Other
	12R4* 12R3* 12R1*	Reconnaissance/Surveillance/Electronic Warfare Navigator A - E-3 B - E-4 C - EC-130 EWO D - EC-130 E - HC-130 F - WC-130 G - EC-135 H - RC-135 EWO J - RC-135 K - WC/OC-135 L - E-8 S - SUNT Instr EWO T - SUNT Instr U - ALO W - EWO, General Y - General Z - Other
	12S4* 12S3* 12S1*	Special Operations Navigator A - AC-130H EWO B - AC-130H FCO C - AC-130H D - AC-130U EWO E - AC-130U FCO F - AC-130U G - HC-130 H - MC-130E EWO J - MC-130E K - MC-130H EWO L - MC-130H S - SUNT Instr EWO T - SUNT Instr U - ALO W - EWO, General Y - General Z - Other
	12T4* 12T3* 12T1*	Tanker Navigator A - KC-135 T - SUNT Instr U - ALO Y - General Z - Other

Staff AFSC 12A4*
Qualified AFSC 12A3*
Entry/Student AFSC 12A1*

AIRLIFT NAVIGATOR

1. Specialty Summary. Performs duties of navigator to accomplish airlift, training, and other assigned missions. Related DoD Occupational Group: 2D.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Participates in mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Navigates aircraft to accomplish assigned mission. Operates available navigation systems.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Navigator Training (SUNT).
3.3.2. For award of AFSC 12A3X, completion of transition and operational training in the suffix specific aircraft.
3.4. Experience. For upgrade to AFSCs 12A3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. For award and retention of these AFSCs, current aeronautical rating and qualification for aviation service as navigator are mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	C-5
B	VC-25
C	C-130
D	C-135/C-137
E	C-141
T	SUNT Instructor
U	Air Liaison Officer (ALO)
V	Inter-Theater Airlift, General
W	Intra-Theater Airlift, General
Y	General
Z	Other

Staff AFSC 12B4*
Qualified AFSC 12B3*
Intermediate AFSC 12B2*
Entry/Student AFSC 12B1*

BOMBER NAVIGATOR

1. Specialty Summary. Performs duties of navigator, electronic warfare officer (EWO), or weapon systems officer (WSO) to accomplish combat, training, and other assigned missions. Related DoD Occupational Group: 2D.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Participates in mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Navigates aircraft to accomplish assigned mission. Operates available navigation systems.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Navigator Training (SUNT).
3.3.2. For award of AFSC 12B3X, completion of transition and operational training in the suffix specific aircraft.
3.3.3. For award of AFSC 12B3A/D/S/W, completion of an EWO course.
3.4. Experience. For upgrade to AFSCs 12B3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. For award and retention of these AFSCs, current aeronautical rating and qualification for aviation service as navigator are mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	B-1 Defensive Systems Officer (EWO)
B	B-1 Offensive Systems Officer
C	B-1 WSO
D	B-52 EWO
E	B-52 Navigator/Radar Navigator
S	SUNT Instructor EWO
T	SUNT Instructor
U	Air Liaison Officer (ALO)
W	EWO, General
Y	General
Z	Other

Staff AFSC 12E4*
Qualified AFSC 12E3*
Entry/Student AFSC 12E1*

EXPERIMENTAL TEST NAVIGATOR

1. Specialty Summary. Plans, conducts, directs, and reports on flight test programs associated with the design, development, and modification of aircraft, aerospace vehicles, flight simulators, and related systems. Related DoD Occupational Group: 2D.

2. Duties and Responsibilities:
2.1. Plans and conducts flight test programs. Formulates test procedures and conducts tests to evaluate structural integrity, performance, handling characteristics, reliability, and suitability of aircraft and systems.
2.2. Manages research, test and evaluation projects, and programs. Integrates test objectives, organizes and directs test forces, supervises flight operations.
2.3. Identifies design and operational deficiencies and recommends improvements. Prepares technical reports and recommends design improvements.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of aircraft performance and handling fundamentals, operational employment concepts, and flight test procedures.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, or engineering is mandatory.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Navigator Training (SUNT).
3.3.2. For award of AFSC 12E3X, completion of the Air Force Test Pilot School, Experimental Test Navigator Course, or equivalent U.S. Navy or foreign test navigator course.
3.3.3. For award of AFSC 12E3S/W, completion of an electronic warfare officer (EWO) course.
3.4. Experience. For upgrade to AFSC 12E3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. For award and retention of these AFSCs, current aeronautical rating and qualification for aviation service as navigator are mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Airlift/Tanker/Bomber
B	Fighter
S	SUNT Instructor EWO
T	SUNT Instructor
U	Air Liaison Officer (ALO)
W	EWO, General
Y	General
Z	Other

Staff AFSC 12F4*
Qualified AFSC 12F3*
Entry/Student AFSC 12F1*

FIGHTER NAVIGATOR

1. Specialty Summary. Performs duties of weapon systems officer (WSO), electronic warfare officer (EWO), to accomplish combat, training, and other assigned missions. Related DoD Occupational Group: 2D.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Participates in mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Navigates aircraft to accomplish assigned mission. Operates available navigation systems.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Navigator Training (SUNT).
3.3.2. For award of AFSC 12F3X, completion of transition and operational training in the suffix specific aircraft.
3.3.3. For award of AFSCs 12F3B/C/E/G/J/K/S/W, completion of an EWO course.
3.4. Experience. For upgrade to AFSCs 12F3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. For award and retention of these AFSCs, current aeronautical rating and qualification for aviation service as navigator are mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	F-4 WSO
B	F-4 EWO
C	F-4G EWO
D	RF-4 WSO
E	RF-4 EWO
F	F-15E WSO
G	F-15E EWO
H	F-111 WSO
J	F-111 EWO
K	EF-111 EWO
S	SUNT Instructor EWO
T	SUNT Instructor
U	Air Liaison Officer (ALO)
V	EA-6B
W	EWO, General
Y	General
Z	Other

Staff AFSC 12G4
Qualified AFSC 12G3

GENERALIST NAVIGATOR

1. Specialty Summary. Develops plans and policies, monitors and evaluates operations, coordinates staff activities, and advises commanders. Related DOD Occupational Group: 2G.

2. Duties and Responsibilities. Monitors, evaluates, and directs flying operations and training programs. Develops requirements for equipment and training. Prepares and coordinates budgets. Analyzes rated manpower requirements and formulates personnel policies. Prepares, coordinates, and disseminates policy directives and implementing instructions. Develops contingency plans.

3. Specialty Qualifications. For entry into this specialty, prior qualification in any navigator AFSC (12X3) is mandatory.
3.1. Knowledge. Not used.
3.2. Education. Not used.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. Not used.

NOTE: These AFSCs are only authorized to identify nonflying positions where designation of a specific navigator AFSC is not feasible. Use of shredouts with these AFSCs is not authorized.

Staff AFSC 12K4*
Qualified AFSC 12K3*
Entry/Student AFSC 12K1*

TRAINER NAVIGATOR

1. Specialty Summary. Performs duties of a trainer navigator to accomplish navigator training and other assigned missions. Related DoD Occupational Group: 2D.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews syllabus requirements, student progress, and weather information. Participates in mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Navigates aircraft to accomplish assigned mission. Operates available navigation systems.
2.3. Conducts or supervises training of students. Ensures optimum training opportunities and progress by conducting or supervising student training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Navigator Training (SUNT).
3.3.2. For award of AFSC 12K3X, completion of operational training applicable to the suffix designation.
3.3.3. For award of AFSC 12K3B, completion of an electronic warfare officer (EWO) course.
3.4. Experience. For award of AFSC 12K3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. For award and retention of these AFSCs, a current aeronautical rating and qualification for aviation service as navigator are mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	SUNT, General
B	EWO, General/Other
Y	General
Z	Other

Staff AFSC 12R4*
Qualified AFSC 12R3*
Entry/Student AFSC 12R1*

RECONNAISSANCE/SURVEILLANCE/ELECTRONIC WARFARE NAVIGATOR

1. Specialty Summary. Performs duties of navigator or electronic warfare officer (EWO) to accomplish reconnaissance, surveillance, search and rescue, electronic combat, training, and other assigned missions. Related DoD Occupational Group: 2D.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Participates in mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Navigates aircraft to accomplish assigned mission. Operates available navigation systems.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders by performing staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Navigator Training (SUNT).
3.3.2. For award of AFSC 12R3X, completion of transition and operational training in the suffix specific aircraft.
3.3.3. For award of AFSCs 12R3C/H/S/W, completion of an EWO course.
3.4. Experience. For upgrade to AFSCs 12R3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. For award and retention of these AFSCs, current aeronautical rating and qualification for aviation service as navigator are mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	E-3
B	E-4
C	EC-130 EWO
D	EC-130
E	HC-130
F	WC-130
G	EC-135
H	RC-135 EWO
J	RC-135
K	WC-135
L	E-8
S	SUNT Instructor EWO
T	SUNT Instructor
U	Air Liaison Officer (ALO)
W	EWO, General
Y	General
Z	Other

Staff AFSC 12S4*
Qualified AFSC 12S3*
Entry/Student AFSC 12S1*

SPECIAL OPERATIONS NAVIGATOR

1. Specialty Summary. Performs duties of navigator, fire control officer (FCO), or electronic warfare officer (EWO) to accomplish special operations, training, and other assigned missions. Related DoD Occupational Group: 2D.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Participates in mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Navigates aircraft to accomplish assigned mission. Operates available navigation systems.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Navigator Training (SUNT).
3.3.2. For award of AFSC 12S3X, completion of transition and operational training in the suffix specific aircraft.
3.3.3. For award of AFSCs 12S3A/D/H/K/S/W, completion of an EWO course.
3.4. Experience. For upgrade to AFSCs 12S3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. For award and retention of these AFSCs, current aeronautical rating and qualification for aviation service as navigator are mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	AC-130H EWO
B	AC-130H FCO
C	AC-130H
D	AC-130U EWO
E	AC-130U FCO
F	AC-130U
G	HC-130
H	MC-130E EWO
J	MC-130E
K	MC-130H EWO
L	MC-130H
S	SUNT Instructor EWO
T	SUNT Instructor
U	Air Liaison Officer (ALO)
W	EWO, General
Y	General
Z	Other

Staff AFSC 12T4*
Qualified AFSC 12T3*
Entry/Student AFSC 12T1*

TANKER NAVIGATOR

1. Specialty Summary. Performs duties of navigator to accomplish air refueling, training, and other assigned missions. Related DoD Occupational Group: 2D.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Participates in mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is pre-flighted, inspected, loaded, equipped, and manned for mission.
2.2. Navigates aircraft to accomplish assigned mission. Operates available navigation systems.
2.3. Conducts or supervises training of crew members. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Navigator Training (SUNT).
3.3.2. For award of AFSC 12T3X, completion of transition and operational training in the suffix specific aircraft.
3.4. Experience. For upgrade to AFSCs 12T3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. For award and retention of these AFSCs, current aeronautical rating and qualification for aviation service as navigator are mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	KC-135
T	SUNT Instructor
U	Air Liaison Officer (ALO)
Y	General
Z	Other

Introduction

SPACE, MISSILE, and COMMAND and CONTROL (C2) UTILIZATION FIELD (13XX)

The Space, Missile, and C2 Utilization Field encompasses the major areas of astronauts, space and missile operations, air weapons control, airborne warning and control, air traffic control, combat control, command posts, and airfield and operations management.

The Astronaut specialty (AFSC 13AX) includes commanding space shuttle missions, piloting a space shuttle, mission specialists, accomplishing on-orbit duties, operating Department of Defense payloads, and providing manned space flight consultation.

The Command and Control Operations specialty (AFSC 13BX) includes:

Air traffic control functions encompassing policy planning, program formulation, direction, control, evaluation, and coordination of air traffic control, including command, operation, administration, and inspection of these activities.

Air weapons control encompasses command, management, and direction of air weapons control operations, including weapons employment, electronic counter-countermeasures, airspace management, program formulation, policy planning, and inspection.

Operations management encompasses direction, training, control, evaluation, and coordination of operations management activities, policy development and operational planning, and program formulation. Specific responsibilities include squadron adjutant duties; command post operations; management of airfields and aerodromes; air base operability; unit operations and training management; plans and programs management; and inspection, direction, and control of operations activities.

Combat control responsibilities include mission planning and managing combat control teams (CCT) deploying to provide air traffic control support to airlift and transitory flight operations on assault zones within airhead areas. CCTs initiate and issue clearances and instructions for air traffic separation, and ensure safe, orderly, and expeditious air traffic flow in and around assault zones.

The space and missile operations specialty encompasses operating and managing systems involved in space surveillance, intercontinental ballistic missiles (ICBM) launch, spacelift, ballistic space warning, and satellite command and control.

AFSCs 13X3/3X, and prefix C, will be used to identify individual unit commander authorizations and personnel below Group level. The following is a complete listing of AFSCs for the Space, Missile, and Command and Control Utilization Field.

UTILIZATION FIELD	AFSC	AIR FORCE SPECIALTY TITLE
SPACE, MISSILE, **AND** **COMMAND AND CONTROL**	13A3* 13A1	Astronaut A - Pilot B - Mission Specialist
	13B4* 13B3* 13B1*	Air Battle Management B - AWACS J - Air Field Management C - Air Defense K - JSTARS D - Mobile Air Control L - ABCCC F - Adjutant
	13D4 13D3 13D1	Combat Control
	13M4 13M3 13M1	Air Traffic Control
	13S4 13S3* 13S2* +13S1*	Space and Missile Operations A - Satellite Command & Control C - Missile Combat Crew D - Space Surveillance B - Spacelift E - Space Warning Note: 13S2 is only authorized with suffix C.

Qualified AFSC 13A3*
Entry AFSC 13A1*

ASTRONAUT

1. Specialty Summary. Commands space shuttle missions. Pilots space shuttle. Accomplishes on-orbit duties. Operates DoD payloads. Provides manned space flight consultation to DoD activities and other government agencies. Related DoD Occupational Group: 2G.

2. Duties and Responsibilities:
2.1. Commands space shuttle missions. Responsible for execution of missions, their rules and control directives. Assesses problems and implements deviations from flight plan, procedures, or personnel assignments in the interest of safety or mission accomplishment.
2.2. Pilots space shuttle. Operates all shuttle vehicle systems through ascent, on-orbit, re-entry, and landing phases of flight. Maneuvers shuttle vehicle to establish mission attitudes or orbital parameters.
2.3. Operates shuttle systems. Serves as integral part of onboard flight operations during ascent, on-orbit, and entry flight phases. Operates and reconfigures orbiter systems during flight phases. Maintains detailed understanding of orbiter systems including nominal and malfunction procedures, and a complete understanding of the impact to mission accomplishment. Communicates with mission control center to exchange direction and information.
2.4. Operates shuttle payloads. Operates payloads carried aboard shuttle vehicle. Operates remote manipulator system to deploy payloads. Monitors payload shuttle interface. Performs extra-vehicular activity to accomplish repair, refurbishment, or inspection of satellites on orbit in payload bay.
2.5. Provides space flight consultation. Assists in formulating operational policies for space shuttle employment. Provides crew inputs for developmental engineering and mission planning. Participates in developing training equipment and simulating facilities.
2.6. Maintains flight proficiency. Serves as a crew member aboard National Aeronautics and Space Administration aircraft to remain proficient in aspects of aircraft operations, including flight planning, communications, nominal and emergency checklist procedures, actual aircraft control, and flight crew coordination.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of space shuttle vehicle flight operation, space shuttle systems operation, lifting body aerodynamics, solid and liquid rocket performance, crew support systems, space navigation, orbital mechanics, computer programs, extra-vehicular activity, and electronic, infrared, and optical sensor operations.
3.2. Education. For entry into this specialty, undergraduate academic specialization in an appropriate field of engineering, physical science, life science, or mathematics is mandatory.
3.3. Experience. For award of AFSC 13A3X, the following experience is mandatory (individual's unit commander determines proficiency):
3.3.1. Minimum of 1 year experience in space transport systems after completing astronaut candidate training. Six months of experience must be directly flight related.
3.3.2. Proficiency in operating space shuttle vehicle.
3.3.3. Proficiency with in-flight procedures, mission rules, space shuttle maneuvers, crew support systems, and communications.
3.3.4. Proficiency as an aircrew member in high performance fixed-wing aircraft.
3.4. Experience. Not used.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Pilot
B	Mission Specialist

Staff AFSC 13B4*
Qualified AFSC 13B3*
Entry AFSC 13B1*

AIR BATTLE MANAGEMENT
(Changed 31 Oct 96)

1. Specialty Summary. Performs and manages air battle management (ABM) operations functions and activities. Effects control of assigned forces. Plans, organizes, and directs operations, including airspace and airfield management, weapons control, coalition integration, sensor system management, operations management activities, and adjutant duties. Supervises airfield management activities, and sector and regional operations control centers. Provides staff supervision and technical advice. Supports planning, programming, and budgeting process for command and control (C2) and battle management functions. Related DoD Occupational Group: 2G.

2. Duties and Responsibilities:
2.1. Directs personnel and manages ABM operations. Selects and employs surveillance, combat, reporting and data link management systems. Interprets directives into specific guidance and procedures for controller actions. Executes operations plans to ensure positive control of assigned forces. Evaluates operational readiness of communications, sensors, and related support equipment. Manages operations personnel performing air weapons control, surveillance, and data link activities. Serves as squadron executive officer and administers unit programs. Provides and accounts for resources. Performs unit cost center management. Supervises squadron administrative activities. Advises commander on readiness of forces based on force status reports and training exercise and evaluation results.
2.2. Develops plans, policies, and procedures. Analyzes national defense guidance and objectives to create operational policies. Implements policy through development of plans and procedures to execute assigned weapons and C2 capabilities. Plans, programs, and develops budget inputs to ensure resource availability for operational requirements. Plans and conducts flying and simulated exercises to evaluate and enhance operational readiness. Establishes procedures and monitors implementation of squadron programs, policies, and plans. Develops and implements operational procedures and management agreements with sister services, allied forces, and civil authorities to ensure safe and effective civil and military air operations.
2.3. Trains, establishes standards, and conducts evaluations. Develops formal schools' curriculums and conducts training for entry level and continuing education courses. Conducts and manages unit training to ensure operations personnel have required job skills. Develops, evaluates, and adjusts training plans and programs to meet mission needs. Establishes performance standards and certifies controller skills, knowledge, and proficiency. Develops procedures for improving operations. Conducts and participates in training events to ensure inter-operability of battle management assets and unit readiness. Conducts evaluations to ensure personnel and unit meet operational readiness goals, adhere to operational procedures, and use sound management practices. Coordinates with other agencies to ensure support resources are adequate to accomplish missions.
2.4. Performs technical functions and activities. Develops battle management architecture supporting inter-operability of joint forces within a theater of operations. Participates in research, development, test, and evaluation to determine new battle management systems capabilities and modifications to existing systems. Assists in writing technical requirements and equipment specifications, and develops criteria to evaluate operational effectiveness. Conducts analysis to determine optimum sitting of ground units and positioning of airborne assets. Controls assigned forces and air operations using voice and data communication and radar systems. Develops, reviews, and disseminates data on tactics, techniques, and employment of combat and operations support units. Collects, validates, and inputs force management information and situation events data.
2.5. Advises on effective use of battle management assets. Provides functional expertise and input for activating, employing, deploying, or deactivating battle management systems. Provides recommendations to create inter-operability among battle management assets and other war fighting capabilities to enhance combat operations and allow commanders increased responsiveness and flexibility. Advises on weapons control capabilities. Advances conceptual thinking and development of tactics to improve battle management and total force capabilities.

3. Specialty Qualifications:
3.1. Knowledge. The following knowledge is mandatory for award of the AFSC indicated:
3.1.1. 13B3X. The following common knowledge is mandatory for award of the qualified AFSC with any suffix: organization, mission, and principles of operations deployment; directives, procedures, and techniques to manage and operate airborne and ground C2 systems, theater or scope of operations equipment, and operational policies of weapons and systems employment; strategic, theater, and tactical C2 and communications systems; limitations and capabilities of manual and

automated C2 systems; C2 reporting; deliberate and contingency planning; and relationship between command posts and C2 systems and their operational impact on mission accomplishment.

3.1.2. 13B3B/C/D/K/L. Weapons control, airspace and data link management, mission crew commander functions, or C2 operations support of airborne battle management platforms; air threat analysis; allocation, distribution, and positioning of air weapons systems; air control procedures, tactics, and techniques; radar, radio, and data link capabilities; aircraft performance characteristics and armament; radio and telephone procedures and phraseology; meteorology; electronic combat operations and techniques; sensor system management, limitations, and operations; fighter tactics and forces management; operating procedures and relationship among air, ground, and naval forces and effective use of their combined resources; surveillance and data management activities; surveillance situation analysis; detection, tracking, reporting, display, and dissemination of air situation and tactical threat information; and management, inter-operability, and integration of command, control, communications, computers, and intelligence (C4I).

3.1.3. 13B3F. Automated flight and training records; assigned personnel training and qualification requirements; and rules, regulations, procedures, and techniques required to manage specific functional areas, including squadron programs; self inspection; information, personnel, and cost center management; and facility and equipment account management.

3.1.4. 13B3J. Airfield management directives; USAF and Federal Aviation Agency (FAA) airfield and airspace operating criteria, inspection requirements for airfield runways and ramps, facilities, navigation aids, and ground support systems; airfield C2 communications systems and facilities, and their impact on mission accomplishment; meteorology; aircrew pre-flight planning procedures; airfield emergency and disaster response procedures; methods of training and evaluation pertaining to airfield personnel and aircrew member certification on airfield operations procedures; and airfield inspection and discrepancy management and correction procedures.

3.2. Education. For entry into this specialty, undergraduate academic specialization in a technical discipline with courses in administration and management is desirable.

3.3. Training. For award of AFSC 13B3X, completion of a formal USAF or equivalent service school suffix specific course is mandatory.

3.4. Experience. The following is mandatory for award of the AFSC indicated:

3.4.1. 13B3B/C/D/K/L. A minimum of 12 months' experience in a weapons assignment or air surveillance position and certification as combat or mission ready, including experience in organizing, directing, and managing operations and related activities of assigned C2 systems.

3.4.3. 13B3F. A minimum of 12 months' experience as an adjutant or 12 months' experience in an operations management or related C2 operations specialty assignment with experience organizing, directing, and managing related activities to accomplish primary operational mission.

3.4.5. 13B3J. A minimum of 12 months experience in an airfield management assignment or 12 months previous experience in an operations management or related C2 specialty.

3.5. Other. For entry into this specialty, physical qualification for a Flying Class III physical according to AFI 48-123, *Medical Examination and Standards* is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
B	AWACS
C	Air Defense
D	Mobile Air Control
F	Adjutant
J	Air Field Management
K	JSTARS
L	ABCCC

Staff AFSC 13D4
Qualified AFSC 13D3
Entry AFSC 13D1

COMBAT CONTROL
(Changed 31 Oct 96)

1. Specialty Summary. Provides United States Air Force and joint warfighters with austere airfield management capability. Manages day-to-day operations of special tactics teams (STT) to survey, establish, and control air-to-ground interface in an objective area. Deploys as a STT member or to provide combat control expertise. Advises on combat control and STT operations. Related DoD Occupational Group: 2E.

2. Duties and Responsibilities:
2.1. Ensures STTs are organized, trained, and equipped to perform air traffic control (ATC) and terminal guidance functions. Supports joint forces engaged in special or conventional air operations.
2.2. Plans missions and manages STTs to support joint special operations for air, ground, and maritime missions. Selects, surveys, and establishes assault zones. Provides assault zone terminal guidance and ATC. Conducts direct action, reconnaissance and personnel recovery missions. Plans for emergency trauma care, movement, and medical evacuation of personnel. Coordinates, plans, and conducts air, ground, and naval fire support operations.
2.3. Plans and coordinates conventional airlift support. Provides ATC services to support airlift and transitory flight operations on assault zones within airhead areas. Establishes command and control communications, and conducts airfield operations, reconnaissance and survey assessments of potential objective airfields or assault zones. Provides limited weather observations, gathers and reports intelligence information, removes obstacles or unexploded ordnance with demolitions, and operational interface with ground forces. Initiates and issues clearances and instructions for air traffic separation. Ensures safe, orderly, and expeditious air traffic flow in and around assault zones.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: ATC principles and procedures; flight characteristics of aircraft; International Civil Aviation Organization and Federal Aviation Administration (FAA) regulations; maps and charts; communications and navigational aid systems; meteorology; small unit tactics; demolition; tactical communications procedures; and employment methods such as fast rope, repelling, overland movement, and amphibious operations including scuba infiltration and parachuting.
3.2. Education. For entry into this specialty, undergraduate academic specialization in a technical discipline with courses in administration and management is desirable.
3.3. Training. For award of AFSC 13D3, the following training courses are mandatory:
Combat Control Indoctrination.
Scuba Diving.
Airborne - Parachutist.
Military Free Fall - Parachutist.
Combat Survival Training.
Water Survival Training - Parachutist.
Underwater Egress.
ATC Officer.
Combat Control School.
3.4. Experience. For award of AFSC 13D3, a minimum of 12 months' experience in combat control assignments, excluding training identified in paragraph 3.3., and certification as a combat controller are mandatory.
3.5. Other. The following are mandatory as indicated:
3.5.1. For entry into this specialty, physical qualification for ATC, marine diving, and parachutist duty according to AFI 48-123, *Medical Examination and Standards*.
3.5.2. For award and retention of this AFSC:
3.5.2.1. Qualification as a parachutist and scuba diver.
3.5.2.2. Maintain combat ready status as prescribed by AFI 13-219, *Special Tactics Operator Standards and Evaluation Program*.

Staff AFSC 13M4
Qualified AFSC 13M3
Entry AFSC 13M1

AIR TRAFFIC CONTROL
(Changed 31 Oct 96)

1. Specialty Summary. Performs and manages air traffic control (ATC), airfield management, and base operations (airfield operations) functions and activities. Manages day-to-day operations of facilities, including radar approach control, air route traffic control center, ground control approach, control tower, or base operations. Provides staff supervision and technical assistance. Develops and formulates plans and policies for managing and operating Air Force (AF) airfield operations. Supports civil aviation responsibilities in compliance with Public Law 85-726. Related DoD Occupational Group: 2G.

2. Duties and Responsibilities:
2.1. Develops plans, policies, and procedures for operating AF airfield operations facilities and activities. Analyzes national defense guidance and objectives to create operational policies. Implements policy through development of plans and procedures to execute assigned airfield operations capabilities. Plans, programs, and develops budget inputs to ensure resource availability for operational requirements. Plans and conducts flying and simulated exercises to evaluate and enhance operational readiness. Establishes procedures and monitors implementation of squadron programs, policies, and plans. Develops and implements operational procedures and management agreements with sister services, allied forces, and civil authorities to ensure safe and effective civil and military air traffic and airfield management operations.
2.2. Plans and organizes airfield operations activities. Makes recommendations and takes action on matters that affect the basic content and character of policy statements and regulations on the airfield operations system. Recommends establishment, augmentation, relocation, or discontinuance of airfield operations facilities and navigational aids. Develops agreements between facilities and with other local agencies to define standards of performance. Maintains close liaison with lateral Federal Aviation Administration (FAA) officials to negotiate and coordinate changes affecting airfield operations. Coordinates with FAA and military flight inspection agencies, ATC and landing systems maintenance, flying units, airfield operations facilities, and other affected agencies concerning flight inspection activities.
2.3. Trains, establishes standards, and conducts evaluations. Develops formal schools' curriculums and conducts training for entry level and continuing education courses. Conducts and manages unit training and performance standards to ensure operations personnel have required job skills. Develops, evaluates, and adjusts training plans and programs to meet mission needs. Develops procedures for improving operations. Conducts evaluations to ensure personnel and unit meet operational readiness goals, adhere to operational procedures, and use sound management practices. Coordinates with other agencies to ensure support resources are adequate to accomplish the mission.
2.4. Performs technical functions and activities. Develops airfield operations architecture supporting flight operations. Participates in research, development, test, and evaluation to determine new airfield operations systems capabilities and modifications to existing systems. Assists in writing technical requirements and equipment specifications, and develops criteria to evaluate operational effectiveness. Conducts analysis to determine optimum sitting of equipment and facilities. Performs ATC operations using voice, data communication, and radar systems. Performs airfield inspections and negotiates contracts to ensure optimal airfield and runway status.
2.5. Advises on effective use of airfield operations assets. Provides functional expertise and input for activating, employing, using, or deactivating airfield operations equipment. Provides recommendations to enhance inter-operability between airfield operations facilities and adjacent ATC and aviation support functions to allow increased responsiveness and flexibility for flight operations.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: ATC procedures and techniques; airfield operations planning and programming; aircraft accident and incident reporting and investigation procedures; hazardous air traffic report procedures; national airspace management utilization and planning principles; federal rule-making actions; environmental requirements which apply to airfield operations management; ATC management of mobile assets and unit type code taskings for airfield operations; base operations functions; airfield management functions; principles of meteorology; USAF airfield and airspace criteria; radio interference reporting procedures; flight inspection of navigational aids and airfield operations facilities procedures; International Civil Aviation Organization, FAA, and notice-to-airman procedures; and radar, navigational aids, and communications maintenance structure and responsibilities.
3.2. Education. For entry into this specialty, undergraduate academic specialization in a technical discipline with courses in administration and management is desirable.

3.3. Training. For award of AFSC 13M3, completion of a formal ATC technical training course and an ATC management course through the Officer Training Program outlined in AFI 36-2210, *Air Traffic Control Officer Training Program*, are mandatory.

3.4. Experience. For award of AFSC 13M3, position certifications and facility ratings in a radar approach control and control tower are required. A minimum of 3 years experience as an enlisted AF controller with prior facility ratings in a radar approach control or control tower facility could satisfy these requirements.

3.5. Other. For entry into this specialty, physical qualification for ATC duty according to AFMAN 48-123, *Medical Examination and Medical Standards* is mandatory.

Staff AFSC 13S4
Qualified AFSC 13S3*
Intermediate AFSC 13S2*
Entry AFSC 13S1*

SPACE and MISSILE OPERATIONS

1. Specialty Summary. Operates and manages space and missile operations systems. The systems include surveillance, intercontinental ballistic missile (ICBM) launch, spacelift, ballistic space warning, and satellite command and control (C2). Performs associated battle management, command, control, and communications activities to defend and support the United States and allied forces. Serves as space and missile operations advisor. Related DoD Occupational Group: 2G.

2. Duties and Responsibilities:
2.1. Formulates space and missile operations policies. Develops policies and procedures for current and future space and missile systems. Builds future plans, requirements, concepts, directives, and exercises for operational employment of systems and facilities. Establishes organizational structure, and determines personnel required to support mission areas. Establishes training requirements and performance standards for all systems. Recommends priorities for personnel allocation.
2.2. Coordinates space and missile operations activities. Coordinates with national and international space agencies on ICBM, space, and satellite launching; and space warning, tracking, control, and cataloging activities. Coordinates space systems network; launch and range control operations interfaces; and mathematical orbital analysis methodology activities with space system agencies. Correlates flow of information and interchange of techniques among sensors and C2 facilities. Advises commanders and staff on capability of offensive and defensive units to meet operational requirements, and on matters for operational effectiveness, combat readiness, organization, and training. Coordinates operations activities, plans, and programs to ensure adequate resources in preparing operations orders and to accomplish assigned mission.
2.3. Plans, organizes, and directs space and missile operations programs. Directs unit space and missile operations activities. Reviews command mission for priorities and specific objectives. Directs preparation and management of budget estimates and financial plans based on operational requirements and resources. Observes, conducts, and evaluates effectiveness of space systems and missile weapon systems training, standardization, and evaluation programs. Inspects space and missile activities and units for compliance with directives and standardized procedures. Conducts nuclear and emergency war order training for combat crew members. Writes nuclear and space annexes to operation plans. Provides guidance on proper use and care of sensitive materials. Conducts space and missile operations activities, including satellite health and status; launch, early orbit, and on orbit testing; contingency operations; orbital analysis and surveillance; space warning; spacelift booster and payload processing; and dissemination of space and missile situation data to all users.
2.4. Operates and controls space and missile operations. Performs missile combat crew operations. Maintains readiness to execute, then launches ICBMs, applies current directives for targeting, execution, and positive control of ICBMs. Initiates, advises, and controls space and missile combat crew operations. Controls storage and issue of positive control, authentication materials, and code components. Inserts and verifies launch codes in missile components. Serves as duty controller in space and missile command posts. Performs satellite position predictions, satellite maneuver planning, orbital analysis, and space based object position. Catalogs foreign and domestic space objects, detects continental United States impacting ballistic missile threats, and provides assessment to national military command authorities. Performs spacelift operations, including range control and safety, flight control, and launch processing activities. Performs satellite operations, including launch and early orbit activities, and satellite and payload telemetry analysis and commanding. Controls ground systems networks to support military satellite programs. Oversees contractor personnel in all missions areas.

3. Specialty Qualifications:
3.1. Knowledge. The following knowledge is mandatory for award of the AFSC indicated:
3.1.1. 13S3X. The following common knowledge is mandatory for award of the qualified AFSC with any suffix: evolution of space and missiles; space and missile organization, policy, and doctrine; requirements, acquisition, and logistics; communication systems and fundamentals; nuclear weapons responsibilities; technical order and Air Force policy directive familiarization; aerospace environment; orbital mechanics; trajectory and reentry concepts; satellite and launch vehicle subsystems; missile combat crew operations; spacelift; satellite C2; space warning and surveillance; foreign missions and systems; space and missile systems applications in a theater environment; targeting; emergency war orders concepts; codes and code handling procedures; security and maintenance interfaces; and safety.
3.1.2. 13S3A. Satellite command and control systems.
3.1.3. 13S3B. Spacecraft systems operation; booster and payload processing; range control and safety applications; and launch processing and solid or liquid rocket performance.
3.1.4. 13S3C. Combat crew procedures, fundamentals of electricity and electronics, principles of aerodynamics, missile guidance systems, power plants, and related components.

3.1.5. 13S3D/E. Electronic, infrared, optical sensor operations; orbital analysis; and characteristics, tracking, ballistic missile trajectories, space surveillance, and space warning systems.
3.2. Education. For entry into this specialty, the following education is desirable for the AFSC indicated:
3.2.1. 13S1X. Undergraduate academic specialization in management, business administration, economics, mathematics, science, engineering, computer science, space operations, or liberal arts.
3.2.2. 13S1D/E. Two semesters of calculus and one semester of physics.
3.3. Training. The following training is mandatory for award of AFSC indicated:
3.3.1. 13S3X. Completion of Undergraduate Space and Missile Training prior to entry into suffix specialized training courses.
3.3.2. 13S3A. Completion of a C2 operations course.
3.3.3. 13S3B. Completion of a spacelift operations course.
3.3.4. 13S2C. Completion of the missile combat crew operations course.
3.3.5. 13S3D/E. Completion of a space surveillance and space warning operations course.
3.3.6. 13S4. Completion of an advanced space and missile training course.
3.4. Experience. The following experience is mandatory for award of AFSC indicated:
3.4.1. 13S3A. A minimum of 12 months' experience in satellite C2 units.
3.4.2. 13S3B. A minimum of 12 months' experience in space lift operations units.
3.4.3. 13S2C. Proficiency in organizing directing launch operations, and emergency war order and codes certification.
3.4.4. 13S3C. Qualification in and possession of AFSC 13S2C. Also, a minimum of 12 months' experience as a deputy combat crew commander, and emergency war order and codes certification.
3.4.5. 13S3D/E. A minimum of 12 months' experience in space surveillance or space warning units.
3.5. Other. The following are mandatory for the AFSC indicated:
3.5.1. 13S1X. For entry into this specialty, physical qualification for space operations and missile launch crew duty according to AFMAN 48-123, *Medical Examination and Standards*.
3.5.2. 13SXC. For entry and retention of this AFSC, physical requirements also include an adaptability rating for missile duty.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Satellite Command and Control
B	Spacelift
C	Missile Combat Crew
D	Space Surveillance
E	Space Warning

NOTE: Intermediate AFSC 13S2 is only authorized for use with suffix C.

Introduction

INTELLIGENCE UTILIZATION FIELD (14NX)

The Intelligence Utilization Field encompasses formulating programs, policy planning, and command or direction of activities involved in comparing United States and foreign overall air potential; intelligence operations and application activities to prevent strategic, tactical, or technological surprise, and to participate in planning or conducting aerospace operations; and responsibility for mapping, charting, and geodetic policy, objectives, requirements, guidance, and oversight as they apply to planning and programming support for military operations. To accomplish these functions, intelligence personnel direct, plan, manage, and conduct activities to collect, analyze, exploit, produce, and disseminate intelligence information, including human, signal, imagery, and measurement and signature intelligence; assess industrial, technological, geographical, and sociological factors; use processed intelligence information to support military operations; prepare intelligence assessments; provide input to national, DoD, and Air Force plans and programs; provide support to air operations, special missions, and weapon system acquisition; provide support to force structure planning and international security assistance plans and programs; perform special security officer functions; provide security guidance and functions for Sensitive Compartmented Information (SCI) programs and activities; use and manage intelligence data handling systems; and exchange information and intelligence with other services, agencies, and governments.

Excluded from this career area are primary responsibilities for the functions of information, personnel, and industrial security which are included in the Security Police utilization field; functions dedicated to research of computer hardware and software, and communications and computer security which are included in the Communications-Computer Systems utilization field; operations security that is included in the Operations utilization field; and counterintelligence functions which are included in the Special Investigations utilization field.

Full development as an intelligence officer requires eligibility for access to SCI and Top Secret material. Such access is determined by favorable adjudication of a special background investigation (SBI) and periodic updates of the SBI, according to applicable security and intelligence regulations. This requirement is managed by the Air Force Intelligence Support Agency, Directorate of Security and Communication Management (HQ AFISA/INS) through a security certification program using standards established by Director of Central Intelligence Directive 1/14 and USAFINTEL 201-1, and as specified in AFI 36-2101, *Military Personnel Classification*. The following is a complete listing of AFSCs for the Intelligence Utilization Field.

UTILIZATION FIELD	AFSC	AIR FORCE SPECIALTY TITLE
INTELLIGENCE	14N4 14N3* 14N1*	Intelligence

Staff AFSC 14N4
Qualified AFSC 14N3
Entry AFSC 14N1

INTELLIGENCE
(Changed 30 Apr 98)

1. Specialty Summary. Performs and manages intelligence functions and activities to support United States and allied forces. Conducts information operations to include analysis of information vulnerability. Included are intelligence operations and applications activities; collecting, exploiting, producing, and disseminating foreign military threat information; mapping, charting, and geodetic (MC & G) data application; developing intelligence policies and plans; and human, signals, imagery, and measurement and signature types of intelligence. Provides staff supervision and technical advice. Plans and coordinates use of intelligence resources, programming, and budgeting. Supports force employment planning, execution, and combat assessment. Advises commanders, government officials, and other users of intelligence information essential to military planning and aerospace operations. Related DoD Occupational Group: 3A.

2. Duties and Responsibilities:
2.1. Performs and manages intelligence operations and applications activities. Programs, plans, and evaluates operations and applications resources and activities. Establishes priorities. Conducts and manages collection functions. Oversees collection and exploitation activities of all sources of intelligence information. Manages production, processing, and dissemination of products. Develops, validates, and prioritizes targeting and MC & G activities and procedures. Plans and implements aircrew training. Determines unit requirements and tailors intelligence support to missions, equipment, and employment tactics. Establishes, recommends, and disseminates information and intelligence collection requirements.
2.2. Supports combat operations. Performs and oversees analysis and fusion of collected intelligence, and produces assessments to meet operational requirements. Analyzes data to advise planners of options to accomplish objectives. Helps develop weaponeering methodologies. Evaluates mission accomplishment to determine remaining adversary capability and requirements for retargeting. Coordinates intelligence estimates and analytical activities. Assists in operational employment planning. Recommends weapons allocation and application. Coordinates inputs to intelligence operations plans and orders. Advises commanders on threat systems deployment, employment, tactics and capabilities, and vulnerabilities. Provides intelligence support and assists in planning and execution of information warfare. Exchanges and collects intelligence with other services, agencies, and governments.
2.3. Conducts operations and related activities. Manages and integrates collected intelligence information. Integrates intelligence into information operations. Performs and directs intelligence briefings and debriefings of repatriates, defectors, émigrés, foreign nationals, and United States personnel. Manages collection requirements by validating, prioritizing, and coordinating user requests. Ensures operational needs are met through collection system tasking. Supports weapon system acquisition and force structure planning.
2.4. Develops intelligence policies and plans. Evaluates impact of legislative action, executive orders, regulations, directives, and management decisions. Integrates intelligence activities into plans and programs. Develops and implements intelligence operations and applications policies, plans, concepts, systems, and orders, including MC & G and human, signal, imagery, and measurement and signature types of intelligence.
2.5. Manages and coordinates intelligence activities. Reports aspects of operations and applications functions and responsibilities. Confers with government, business, professional, scientific, and other nations' organizations to provide support, exchange ideas, participate in studies, and coordinate on proposals and findings. Manages intelligence responsibilities of the Department of Defense Planning, Programming, and Budgeting System. Coordinates with personnel, materiel, planning, programming, and operational functions on allocation of resources, availability of funds, and preparation and implementation of operational plans.
2.6. Directs intelligence activities. Directs operations and applications activities and organizations, and establishes goals and objectives. Reviews requirements for objectives and relative priorities. Serves as senior intelligence advisor to commanders. Directs preparation of intelligence budget estimates and financial plans. Implements standardization, evaluation, and training programs, and monitors compliance.

3. Specialty Qualifications:

3.1. Knowledge. Knowledge is mandatory of: means, methods, sources, and techniques used in intelligence operations, applications functions, and doctrine to include: collection, exploitation, production, and dissemination of foreign military threat information derived from human, signals, imagery, and measurement and signature intelligence; theories, principles, and application of the electromagnetic spectrum and United States and foreign space systems and operating parameters; applications of intelligence information to support military operations; target materials, analysis, and weaponeering; mission planning, force application and combat assessment; information warfare operations, associated countermeasures, threats, and vulnerabilities; and survival, evasion, resistance, escape, combat search and rescue, and Code of Conduct techniques and procedures. Additionally, knowledge is mandatory of: means, methods, sources, and techniques used in United States and allied military capabilities, organization, operations, and doctrine; intelligence systems and acquisition management; intelligence force management; national intelligence community structure and relationships; intelligence oversight; foreign military capability, limitations, and employment techniques; fusion, analysis, processing, and proper handling of intelligence information; analytical methods, forecasting, and estimating techniques; intelligence information handling systems; national and DoD regulatory guidance for conducting intelligence activities; and management sustaining functions such as intelligence communications and information systems, security, manpower, personnel, and training.

3.2. Education. For entry into this specialty, an undergraduate academic specialization or degree is desirable in physical, earth, computer, social, or information sciences; engineering; mathematics; or foreign area studies.

3.3. Training. For award of AFSC 14N3, completion of the Intelligence Officer Course is mandatory.

3.4. Experience. For award of AFSC 14N3, a minimum of 18 months' experience in intelligence operations functions.

3.5. Other. Not used.

Introduction

WEATHER UTILIZATION FIELD (15WX)

The Weather Utilization Field encompasses policy planning, direction, control, evaluation, and coordination of weather services. Included in this field are command, operation, administration, and technical inspection of units providing weather observing and forecasting service, weather studies, and scientific services relating to the influence of atmospheric and space environmental factors on military operations. These functions include surface, aerial, visual, and instrumental meteorological, solar, and geophysical observations; analysis, description, and forecasting of atmospheric and associated phenomena of earth and space; design of base charts and maps; and participation in the development, testing, and implementation of observing and forecasting systems.

Excluded from this field are the functions of site engineering, installation, and maintenance of electronic weather equipment. Refer to the Communications-Computer Systems Utilization Field for maintenance functions. The following is a complete listing of AFSCs for the Weather Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
Weather	15W4 +15W3* +15W1*	Weather A - Advanced Weather Actions

Staff AFSC 15W4
Qualified AFSC 15W3*
Entry AFSC 15W1*

WEATHER
(Changed 30 Apr 97)

1. Specialty Summary. Performs, manages, and directs weather operations for Air Force and Army activities. Integrates current and forecast atmospheric and space weather conditions into operations and operational planning. Develops, directs, and coordinates meteorological and space weather studies and research. Supports Air Force core weather responsibility to provide meteorological and space weather information for DoD air, ground, and space operations. Related DoD Occupational Group: 5B.

2. Duties and Responsibilities:
2.1. Analyzes and evaluates meteorological data and prepares forecast products. Integrates weather analyses and reports with radar and satellite imagery interpretations. Makes mission forecasts. Briefs aircrews and staff personnel on current and forecast weather. Instructs personnel on application of weather to operations, and interpretation and use of meteorological products. Performs global analysis and forecast duties at weather and space centrals. Provides weather warnings and advisories for adverse weather to worldwide DoD installations. Provides mission tailored forecasts for special and joint operations. Directs taking, recording, reporting, and plotting of meteorological and space weather observations, analysis of data, preparation of prognostic products and forecasts, and use of meteorological equipment. Makes and directs studies to improve forecasting. Advises commanders and their staffs on capabilities and limitations of weather operations.
2.2. Conducts and directs meteorological, astrophysical, and geophysical studies. Prepares and adapts specialized forecast, climatology, and other weather studies for operational use. Identifies weather sensitivities and shortfalls, and recommends modifications of instruments, equipment, and products to improve weather service to weapon systems and technologies. Prepares publications on observing, analyzing, and forecasting meteorological, solar, astrophysical, and geophysical parameters. Recommends changes in weather services dictated by advances in military weapons, tactics, and doctrine. Provides meteorological consultation for research activities, and directs gathering and preparing of data for specialized weather support activities. Coordinates atmospheric and space research activities with military and civilian agencies.
2.3. Provides technical meteorological services. Prepares and directs weather resources to support operational objectives. Writes directives on operational techniques and procedures to observe, analyze, and forecast atmospheric and space phenomena. Directs and prepares studies and reports to evaluate weather support requirements.

3. Specialty Qualifications:
3.1. Knowledge. The following knowledge is mandatory for award of the AFSC indicated:
3.1.1. 15W3. Air Force weather observing and forecasting procedures and techniques.
3.1.2. 15W3A. Meteorological or space science research.
3.2. Education. The following education is mandatory for entry into the AFSC indicated:
3.2.1. 15W1. Completion of 24 semester hours of college-level courses in meteorology, including 6 semester hours of dynamic meteorology, 6 semester hours of analysis and prediction of weather systems (synoptic/mesoscale), and 6 semester hours of analysis and weather system prediction laboratory. Also, undergraduate academic specialization in meteorology or atmospheric science is desirable.
3.2.2. 15W1A. Completion of 30 semester hours of graduate work with an emphasis in meteorology and space weather science.
3.3. Training. For award of AFSC 15W3, completion of the weather officer initial skills course is mandatory.
3.4. Experience. The following experience is mandatory for award of the AFSC indicated:
3.4.1. 15W3. A minimum of 12 months of experience in a weather station or forecasting unit.
3.4.2. 15W3A. Qualification in and possession of AFSC 15W3. Also, a minimum of 2 years' experience in 15W3 assignments. It is mandatory that experience include 12 months in advanced weather officer assignments.
3.5. Other. Not used.

4. *Specialty Shredout:

Suffix	*Portion of AFS to Which Related*
A	Advanced Weather Activities

OPERATIONS SUPPORT UTILIZATION FIELD (16XX)

Introduction

The Operations Support Utilization Field encompasses planning, formulating, coordinating, implementing, and reporting Air Force aspects of military intelligence requirements; international politico-military policies, problems, negotiations, and conferences; and developing and writing Air Force, Joint services, and combined plans, programs, and policies.

UTILIZATION FIELD	AFSC	AIR FORCE SPECIALTY TITLE
OPERATIONS SUPPORT	+16F4* +16F3* +16F1*	Foreign Area A - Attaché B - Eurasia C - Latin America D - Northeast Asia/China E - South/Southeast Asia F - Middle East G - Africa H - Europe
	16G4 16G3 16G1	Air Force Operations Staff Officer
	16P4 16P3 16P1	International Politico-Military Affairs
	16R4 16R3 16R1	Planning and Programming

Staff AFSC 16A4
Entry AFSC 16A1

AIR ATTACHÉ

1. Specialty Summary. Collects, evaluates, and reports information in response to military intelligence requirements. Represents the Chief of Staff, the Secretary of the Air Force, or the Department of Defense (DoD), and maintains good relations and effective liaison between the U.S. Air Force and the armed forces of the country or countries for which responsible. Provides military advice to the chief of the diplomatic mission, and plans and directs operational and administrative attaché functions. Related DoD Occupational Group: 3A.

2. Duties and Responsibilities:
2.1. Reports intelligence. Responds to military and national intelligence requirements and priorities by collecting information such as warnings or indications of imminence of hostilities; strength composition, disposition, capability, and vulnerability of military and paramilitary forces; and military geography and hydrography. Develops biographies, and evaluates political leanings of military leaders and prospective leaders. Evaluates validity of collected information. Prepares and disseminates reports.
2.2. Represents the Chief of Staff, Secretary of the Air Force, and the DoD. Speaks and acts for the Chief of Staff, the Secretary of the Air Force, (other Services if not a tri-Service post), and Defense agencies in matters of official interest. Attends official state and military functions as observer or participant. Acts as liaison officer for visiting U.S. Fleet commands and military units.
2.3. Advises chief of diplomatic mission on military matters. Advises on matters of military importance such as military capabilities of host government. Makes recommendations on treaties, international agreements, and politico-military plans, policies, and procedures.
2.4. Plans and directs attaché operational and administrative functions. Directs and controls resources to fulfill assigned mission. Plans and coordinates collecting and reporting activities with other Service attaches for maximum efficiency and minimum duplication. Formalizes and signs contract agreements and other documents. Provides assistance to U.S. active, retired, and reserve military personnel present in the host country.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of geopolitics, international relations, U.S. foreign policy, international power relationships, and U.S. military organization and operations. Also, foreign language comprehension and speaking proficiency are mandatory.
3.2. Education. For entry into this specialty, undergraduate academic specialization in engineering, arts, social sciences, physical science, business, or management is desirable and a Master's degree in area studies or international relation is desirable.
3.3. Training. For award of AFSC 16A4, completion of attaché training at the Defense Intelligence College is mandatory.
3.4. Experience. Not used.
3.5. Other. The following are mandatory as indicated:
3.5.1. For entry, award, and retention of these AFSCs:
3.5.1.1. Impeccable personal character and trouble-free family environment.
3.5.1.2. Excellent or superior record of performance of duty and a demonstrated high degree of tact and diplomacy.
3.5.1.3. Demonstrated ability to prepare written reports with high degree of competency, precision, descriptive ability, and discernment.
3.5.2. For award and retention of these AFSCs, eligibility for a Top Secret security clearance according to AFI 31-501, *Personnel Security Management Program*.
3.5.3. Specific assignments, require a current aeronautical rating and qualification for an aviation service as pilot.
3.5.4. Additional criteria and application procedures for this AFSC are in AFI 36-2110, *Assignments.*

★Staff AFSC 16F4*
★Qualified AFSC 16F3*
★Entry AFSC 16F1*

FOREIGN AREA
(Created 31 Oct 98)

1. Specialty Summary. Provides foreign language competency and regional expertise essential to interaction with foreign militaries and organizations. Plans, formulates, coordinates, and implements Air Force (AF) aspects of international politico-military (pol-mil) policies. Advises and briefs commanders and government officials on international problems affecting the AF. Represents the AF in international and interdepartmental conferences and negotiations. Ensures productive engagement with partners and allies across the range of operations, including support of AF participation in contingency operations. Related DoD Occupational Group: 3A.

2. Duties and Responsibilities:
2.1. Formulates AF positions on combined pol-mil affairs. Develops policy positions on international political problems of national, combined, or joint service interest. Makes recommendations on treaties, international agreements, and pol-mil plans, policies, and procedures. Receives, evaluates, and translates information from national and international agencies into pol-mil guidance. Assists in developing, coordinating, and implementing National Security Council policies. Participates in development, coordination, and implementation of National Policy Papers and guidelines for policy and operations papers on a worldwide basis. Determines requirements for military actions to implement national policy objectives.
2.2. Coordinates pol-mil affairs. Advises combined, joint, and AF commanders and officials on pol-mil affairs. Maintains liaison with Departments of State and Defense and other governmental agencies concerned with international affairs. Presents and interprets AF positions to interdepartmental and international committees and groups affecting negotiations on government-to-government and service-to-service levels. Provides guidance on international aspects of AF plans. Coordinates with Departments of State and Defense in conducting treaty and agreement negotiations.
2.3. Monitors AF interests in international affairs. Represents AF on international staffs, projects, surveys, advisory groups, missions, and defense boards. Participates in treaty and agreement negotiations affecting the AF. Conducts research on world or area pol-mil affairs. Advises on political implications of war plans.
2.4. Conducts analytical studies. Analyzes political situations and trends, and prepares studies, reports, and surveys on political implications of proposed actions.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of geopolitics, international relations, U.S. foreign policy, international power relationships, and U.S. military organization and operations.
3.2. Education. A Master's degree in area studies or international relations is desirable.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 16F3, a minimum of 12 months of experience is mandatory in international pol-mil affairs, Defense Attaché Office, Security Assistance Organization, or Personnel Exchange Program assignments.
3.5. Other. For entry, award, and retention of AFSCs 16FX, qualification for foreign area duty according to AFI 16-109, *Foreign Area Officer Program*, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Attaché
B	Eurasia
C	Latin America
D	Northeast Asia/China
E	South/Southeast Asia
F	Middle East
G	Africa
H	Europe

Staff AFSC 16G4
Qualified AFSC 16G3
Entry AFSC 16G1

AIR FORCE OPERATIONS STAFF OFFICER
(Created 30 Apr 97)

1. Specialty Summary. Develops and writes Air Force, Joint Services, or combined plans, programs, and policies. Uses broad operations background and understanding of the entire spectrum of Air Force operational doctrine and employment in multi-functional areas of responsibility to satisfy mission objectives. Related DoD Occupational Group: 2G.

2. Duties and Responsibilities:
2.1. Develops and writes Air Force, Joint Services, or combined plans. Executes planning process based on defense guidance, and HQ USAF, major command, or Joint Services organization policies, directives, and procedures. Develops assumptions upon which the planning process is constrained. Develops plans that are responsive to Air Force doctrine and fully exploit the Air Force's unique war-fighting capabilities. Coordinates plans between staff agencies to ensure a coherent planning effort.
2.2. Programs resource allocation according to the Planning, Programming, and Budgeting System (PPBS). Executes programming actions based on guidance from major commands, joint activities, or DoD. Analyzes impact of programming decisions on war-fighting capabilities. Coordinates programming actions to facilitate issue resolution and ensure timely completion.
2.3. Develops and writes Air Force, Joint Services, or combined policies. Ensures policies are designed to maximize the effectiveness of Air Force operations in support of combat Commanders-In-Chief missions. Coordinates policy actions to facilitate issue resolution and ensure timely completion.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: Air Force, Joint Services, or combined plans development for the PPBS; planning or programming in multi-functional areas; and a strong operational background with in-depth understanding of all Air Force operational capabilities and doctrines.
3.2. Education. For entry into this specialty, advanced studies in military history, doctrine, or strategy, international affairs, or political science is desirable.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 16G3, a minimum of 12 month's experience is mandatory in functions of this specialty.
3.5. Other. For entry into this specialty, one of the following is desirable:
3.5.1. Prior qualification (XXX3) in one of the following AFSCs: 11XX - Pilot; 12XX - Navigator; 13BX - Air Battle Management; 13DX - Combat Control; or 13SX - Space and Missile Operations, 14NX - Intelligence, 21AX - Aircraft Maintenance, or 31PX - Security Police.
3.5.2. Prior qualification (XXX3) in AFSC 33SX - Communications and Information, with previous assignment to combat communications, ground theater air control system, airborne communications, air operations centers, or deployable numbered Air Force (NAF) staff.
3.5.3. Graduate of School for Advanced Airpower Studies (SAAS) or resident Air Command and Staff College.

NOTE: 16G3/4 authorizations are restricted to organizations at NAF or above. Centers, squadrons, or flights that report directly to NAFs or above may use 16G3/4.

Staff AFSC 16P4
Qualified AFSC 16P3
Entry AFSC 16P1

INTERNATIONAL POLITICO-MILITARY AFFAIRS

1. Specialty Summary. Plans, formulates, coordinates, and implements Air Force aspects of international politico-military policies. Advises and briefs commanders and government officials on international problems affecting the Air Force, and represents the Air Force in international and interdepartmental conferences and negotiations. Related DoD Occupational Group: 3A.

2. Duties and Responsibilities:
2.1. Formulates Air Force positions on combined politico-military affairs. Develops policy positions on international political problems of national, combined, or joint service interest. Makes recommendations on treaties, international agreements, and politico-military plans, policies, and procedures. Receives, evaluates, and translates into politico-military guidance information from national and international agencies. Assists in development, coordination, and implementation of National Security Council policies. Participates in development, coordination, and implementation of National Policy Papers and guidelines for Policy and Operations Papers on a worldwide basis. Determines requirements for military actions in implementation of National Policy Objectives.
2.2. Coordinates politico-military affairs. Advises combined, joint, and Air Force commanders and officials on politico-military affairs. Maintains liaison with Departments of State and Defense and other governmental agencies concerned with international affairs. Presents and interprets Air Force positions to interdepartmental and international committees and groups effecting negotiations on government-to-government and service-to-service levels. Provides guidance on international aspects of Air Force plans. Coordinates with representatives of Departments of State and Defense in conducting negotiations for treaties and agreements.
2.3. Monitors Air Force interests in international affairs. Represents Air Force on international staffs, projects, surveys, advisory groups, missions, and defense boards. Participates in negotiations of treaties and agreements affecting the Air Force. Conducts research on world or area politico-military affairs. Advises on political implications of war plans.
2.4. Conducts analytical studies. Analyzes political situations and trends, and prepares studies, reports, and surveys on political implications of proposed actions.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: geopolitics; international law; international relations; United States foreign policy; international power relationships; international protocol; organization, mission, and capabilities of United States Armed Forces; and techniques for development of treaties and agreements.
3.2. Education. For entry into this specialty, a Master's degree in political science, history, or international affairs is desirable.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 16P3, a minimum of 24 months' experience is mandatory in international politico-military affairs assignments. Also, experience must include formulation of politico-military affairs plans and policies, and analysis of military implications of foreign developments.
3.5. Other. Not used.

Staff AFSC 16R4
Qualified AFSC 16R3
Entry AFSC 16R1

PLANNING AND PROGRAMMING

1. Specialty Summary. Develops and writes Air Force, Joint Services, and combined plans, programs, and policies (numbered Air Force and above). Services multi-functional areas of responsibilities to satisfy mission objectives and does not include duties involving a single functional area such as logistics, operations, finance, and so forth. Related DoD Occupational Group: 2G.

2. Duties and Responsibilities:
2.1. Develops and writes Air Force, Joint Services, and combined plans. Executes planning process based on defense guidance, and HQ USAF, major command, or Joint Services organization policies, directives, and procedures. Develops assumptions upon which the planning process is constrained. Develops plans that are responsive to Air Force doctrine and war-fighting capability. Coordinates plans between staff agencies to ensure a coherent planning effort.
2.2. Programs resource allocation according to the Planning, Programming, and Budgeting System. Executes programming actions based on guidance provided from major commands, joint activities, or Department of Defense. Analyzes impact of programming decisions on war-fighting capabilities. Coordinates programming actions to facilitate issue resolution and ensure timely completion.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of Air Force, Joint Services, or combined plan development for the planning, programming, and budgeting system, and planning or programming in multi-functional areas.
3.2. Education. For entry into this specialty, an advanced degree is desirable in management, business administration, international affairs, or political science.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 16R3, a minimum of 12 months' experience is mandatory in functions of this specialty.
3.5. Other. Not used.

Attachment 6

INTRODUCTION

LOGISTICS CAREER AREA (2XXX)

The Logistics Career Area encompasses program formulation, policy planning, coordination, inspection, command and direction, and supervision and technical responsibilities pertaining to space and missile maintenance, aircraft maintenance and munitions, transportation, supply, and logistics plans and programs utilization fields.

The Logistics Commander directs and monitors logistics programs including supply, transportation, procurement, and maintenance activities; and serves as senior staff adviser to commanders. The following is a complete listing of AFSCs for the Logistics Career Area.

LOGISTICS	
20C0	Logistics Commander
21LX	Logistician
21AX	Aircraft Maintenance/Munitions
21GX	Logistics Plans
21MX	Space & Missile Maintenance
21SX	Supply
21TX	Transportation

AFSC 20C0

LOGISTICS COMMANDER

1. Specialty Summary. Directs and monitors logistics programs including supply, transportation, procurement, and maintenance activities; and serves as senior staff adviser to commanders. Related DoD Occupational Group: 8A.

2. Duties and Responsibilities:

2.1. Directs and organizes logistics programs. Reviews logistics requirements for specific objectives and priorities of command mission. Directs preparation of plans for logistics support of tactical, strategic, and defense missions. Plans research projects to determine effectiveness of logistics support programs. Plans and establishes logistics policies and procedures; exercises staff supervision over logistics activities to assure logistics support of Air Force mission requirements. Provides for applied research in areas of technological development, recommending modification of existing equipment and outlining need for developing new equipment. Reviews operating budget requirements of logistics activities and directs consolidation of logistics budget. Reviews applicable stock fund operating programs, and where appropriate, directs their consolidation.

2.2. Monitors logistics activities. Analyzes logistics requirements and estimates capabilities of organization to accomplish assigned missions. Approves fund expenditures for supplies and equipment. Inspects operating condition of facilities and effectiveness of logistics activities to support logistics programs and ensure coordination between such activities. Evaluates logistics programs, establishes responsibilities, estimates trends, and projects requirements and capabilities of activities such as supply, maintenance, transportation, and procurement. Prepares technical publications on logistics methods, procedures, and policies. Directs operation of maintenance and supply organizations.

2.3. Coordinates logistics programs. Advises commanders on status of logistics programs and ability to meet current and projected requirements. Coordinates with civil engineering personnel, operations directors, and comptrollers in preparation of master command plan and in outlining areas of responsibility to avoid duplication of functions. Confers with commanders and staff on activities such as maintenance, supply, transportation, and procurement to establish and implement logistics programs, policies, and procedures. Coordinates with comptroller activities in projecting budget requirements and allocating funds to logistics programs. Maintains liaison with research and development activities, military services, and public and private agencies on logistics changes.

3. Specialty Qualifications:

3.1. Knowledge. Knowledge is mandatory of: supply, procurement, maintenance control, production management, and logistics planning.

3.2. Education. For entry into this specialty, undergraduate academic specialization in logistics management, engineering, or business is desirable.

3.3. Training. Not used.

3.4. Experience. For award of AFSC 20C0, the following experience is mandatory:

3.4.1. Qualification in a staff officer specialty in one or more utilization fields in the Logistics Career Area, or in a staff officer specialty in the Communications-Computer Systems Career Area.

3.4.2. Also, experience formulating plans and policies for, and monitoring logistics programs, with emphasis on requirements determination; and operating procedures, systems, and policies requiring a factual understanding of all phases of logistics.

3.5. Other. Not used.

INTRODUCTION

LOGISTICS UTILIZATION FIELD (21XX)

The Logistics utilization field encompasses all functions performed by logistics officers, including aircraft, missile, and spacelift maintenance; supply; transportation; and logistics plans. Inherently included are program formulation, policy planning, coordination, inspection, command and direction, and supervision.

The Logistician specialty (AFSC 21LX) encompasses integration of logistics disciplines at the senior level for aircraft, spacelift, and missile maintenance; transportation; supply; and logistics plans. Responsibilities include directing integrated logistics processes; accomplishing joint logistics planning for warfighting support and sustainment with the Joint Staff, Unified Commands, other military services and agencies of the Office of the Secretary of Defense; and directing acquisition and wholesale logistics activities.

The Aircraft Maintenance and Munitions specialty (21AX) encompasses functions of production management, quality control, and direction of aircraft maintenance, avionics, and munitions activities. Responsibilities include immediate supervisory and technical responsibilities for removing, installing, modifying, calibrating, repairing, and storing of aircraft, avionics, and munitions equipment and components. Included are aircraft engines, airframes, accessories, instruments, and aerospace ground equipment; aircraft systems and equipment; maintenance and management of nuclear, explosive, toxic, chemical-biological, and incendiary aerospace munitions; training in aerial bombing, gunnery, rocketry and missilery; and advising on installation defense and tactical employment of aerospace munitions.

The Logistics Plans specialty (AFSC 21GX) encompasses development of logistics plans to support Air Force, Joint Services, DoD, and international logistics operations in areas of supply, maintenance, transportation, and contracting. Responsibilities include planning and developing logistics support requirements, facilities support, and integrated logistics support of systems, subsystems, and equipment throughout their life cycles.

The Space and Missile Maintenance specialty (AFSC 21MX) encompasses missile maintenance, production management, quality control, and direction of maintenance activities. Responsibilities include procedures for missile technicians; facility requirements; system hardware designs; technical responsibilities for assembly, installation, checkout, component replacement, modification, repair, testing, inspection, calibration, and systems analysis of equipment; and command, preset, and automatic guidance systems, missile test equipment, and systems components.

The Supply specialty (AFSC 21SX) encompasses administration, management, and operation of all supply activities. Responsibilities include design, development, and analysis of automated or manual accounting systems for assigned supplies, equipment, and petroleum products; requirements determination and computation; allowances and authorizations; inventory and distribution control; accountability; reporting; stock fund operating programs preparation; and operating budget preparation.

The Transportation specialty (AFSC 21TX) encompasses developing, installing, coordinating, maintaining, and operating Air Force transportation facilities; motor vehicle management activities; regulation of packing, crating, and marking of freight; movement of materiel, personnel, and personal property; obligation of transportation funds; use of transportation equipment; transportation systems evaluation, analysis, and development; application of documentation and data automation techniques; movements by air and surface military and commercial carriers; and technical transportation determinations and recommendations on in-transit losses, shortages, and damage to materiel and personal property, transportation accidents, logistic phasing, equipment, facilities, funds, training, and contractual transportation. Also included are technical responsibilities for removing, installing, modifying, overhauling, repairing, and storing motor vehicles, as well as locomotives and rolling stock, vessels, and marine engines. The following is a complete listing of AFSCs for the Logistics Utilization Field.

UTILIZATION FIELD	AFSC	AIR FORCE SPECIALTY TITLE
LOGISTICIAN	21L4 21L3 21L1	Logistician
AIRCRAFT MAINTENANCE **AND MUNITIONS**	21A4 +21A3* +21A1*	Aircraft Maintenance and Munitions A - Nuclear Munitions B - Conventional Munitions
LOGISTICS PLANS	21G4 21G3 21G1	Logistics Plans
SPACE AND MISSILE **MAINTENANCE**	21M4 +21M3* +21M1*	Space and Missile Maintenance A - Missile B - Spacelift
SUPPLY	21S4 21S3 21S1	Supply
TRANSPORTATION	21T4 21T3 21T1	Transportation

Staff AFSC 21L4
Qualified AFSC 21L3
Entry AFSC 21L1

LOGISTICIAN
(Changed 31 Oct 98)

1. Specialty Summary. Integrates the spectrum of the logistics processes within the operational, acquisition, and wholesale environments. Included are aircraft, spacelift, and missile maintenance; transportation; supply; and logistics plans. Directs maintenance and modification of aircraft, missile, conventional and nuclear munitions, and associated equipment. Directs and manages supply, equipment, and fuels management systems; transportation activities, including vehicle operations and maintenance, traffic management, combat readiness, and air terminal operations; and spacelift and missile maintenance activities on launch facilities. Plans and programs logistics support for wartime requirements. Related DoD Occupational Group: 8A.

2. Duties and Responsibilities:
2.1. Directs the integrated logistics process. Develops logistics support policies, procedures, and systems, and provides implementation guidance. Prepares and implements directives to assure effective logistics support. Establishes and enforces standards, and ensures assigned work force is properly trained and equipped. Assesses unit capability and coordinates with other agencies on issues impacting personnel, weapon systems, and equipment readiness. Advises the commander on readiness of personnel, weapon systems, and equipment. Assesses, evaluates, and determines effectiveness of data systems through analysis and application of output products. Identifies and corrects systems deficiencies to meet mission requirements and enhance safety. Coordinates programming of resources with functional managers and participates in fiscal policy and budget formulating and managing. Directs negotiation of support agreements and management of war reserve materiel.
2.2. Supports joint requirements. Accomplishes joint logistics planning for warfighting support and sustainment with the Joint Staff, Unified Commands, other military services, and Office of the Secretary of Defense agencies. Serves as logistics focal point to coordinate with DoD, joint organizations, major commands, representatives of foreign governments, and government contractors for international logistics and security assistance matters. Advises Allied Air Forces in developing policies and procedures to integrate all facets of logistics and logistics support concepts.
2.3. Directs acquisition and wholesale logistics activities. Plans for and manages systems, subsystems, and equipment throughout their life cycle, including integrated logistics support activities during the acquisition phase. Develops, initiates, integrates, and manages all logistics actions associated with life cycle management of weapon systems, subsystems, and equipment. Serves as program office focal point for logistics throughout the acquisition life cycle. Plans and develops logistics support for current and emerging systems. Helps formulate fiscal policy for managed weapon systems.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: total logistics process encompassing aircraft, spacelift, and missile maintenance; supply; transportation; and logistics plans from operational to acquisition logistics; and an understanding of an integrated approach to logistics disciplines to support warfighting, operational, and training requirements.
3.2. Education. For entry into this specialty, an advanced degree in logistics management, acquisition logistics, transportation, supply, or business administration is desirable.
3.3. Training. For award of AFSC 21L3, completion of the Advanced Logistics Officer Course is mandatory.
3.4. Experience. For award of AFSC 21L3, one of the following is mandatory:
3.4.1. Prior qualification in and possession of two logistics AFSCs, 21X3/4; or,
3.4.2. Prior qualification in and possession of AFSC 20C0 and one logistics AFSC, 21X3/4; or,
3.4.3. Prior qualification in and possession of one logistics AFSC, 21X3/4, and AFSC 64P3/4; or,
3.4.4. Two years' experience in a 21LX position and completion of a logistics bridge course.
3.4.5. Possession of one logistics AFSC, 21X3/4, with two years experience in an operational logistics position and two years experience in an acquisition (SEI LLA) or sustainment (SEI LLS) coded position.
3.5. Other. Not used.

Staff AFSC 21A4
Qualified AFSC 21A3*
Entry AFSC 21A1*

AIRCRAFT MAINTENANCE AND MUNITIONS
(Changed 30 Apr 98)

1. Specialty Summary. Manages maintenance and modification of aircraft, conventional and nuclear munitions, and associated equipment. Administers aircraft maintenance and munitions programs and resources. Directs aircraft and munitions maintenance production, staff activity, and related material programs. Related DoD Occupational Groups: 4D.

2. Duties and Responsibilities:
2.1. Manages aircraft and munitions maintenance production to meet operational requirements and technical standards. Recommends procedural and technical improvements and modifications. Schedules aircraft and resources to ensure required readiness. Enforces technical performance standards. Ensures assigned work force is properly trained and equipped. Assesses unit capability and advises commanders, supervisors, and staff.
2.2. Formulates maintenance plans and policies to meet taskings. Plans and programs support requirements, modifications, and modernizations. Defines technical problems and economic factors related to research and development, and system application. Sets and enforces maintenance policy affecting personnel and equipment readiness. Reviews maintenance and operational data to evaluate programs, assess trends, and identify improvements and deficiencies.
2.3. Directs aircraft and munitions maintenance production. Budgets and allocates resources to control costs and meet operational taskings. Coordinates with operational and support units to ensure equipment readiness and efficiency of assigned forces.

3. Specialty Qualifications:
3.1. Knowledge. The following knowledge is mandatory for award of AFSC indicated:
3.1.1. 21A3. Maintenance management procedures, and organizational and mission requirements; capabilities, limitations, and basic operating principles of aircraft systems and components; theory of flight and airframe construction; basic munitions, munitions procedures and quality assurance; supply, transportation, civil engineering, and other unit operations related to aircraft maintenance or munitions units.
3.1.2. 21A3A. Nuclear weapons and warheads; missile and re-entry systems; nuclear armament systems; suspension and release equipment; weapon use-control; nuclear surety; joint nuclear procedures; or related test, handling, and support equipment.
3.1.3. 21A3B. Conventional air-to-air missiles; air-to-ground weapons including guided, rocket-boosted, and unguided munitions; dispensers and submunitions; suspension and release equipment; fuses; wiring harnesses; loading procedures; safety tests; and munitions (ground) handling equipment.
3.2. Education. For entry into this AFSC, an undergraduate academic degree in management, engineering, or physical sciences is desirable.
3.3. Training: The following training is mandatory for award of AFSC indicated:
3.3.1. 21A3. Completion of an aircraft maintenance or munitions officers course.
3.3.2. 21A3A. Completion of a nuclear munitions officer course.
3.3.3. 21A3B. Completion of the aircraft maintenance officer course.
3.4. Experience. The following experience is mandatory for award of the AFSC indicated:
3.4.1. 21A3. A minimum of 24 months' experience managing aircraft or munitions and nuclear maintenance activity.
3.4.2. 21A3A. Qualification in and possession of AFSC 21A3. Also, a minimum of 6 months' experience performing and managing nuclear munitions functions and activities.
3.4.3. 21A3B. Qualification in and possession of AFSC 21A3. Also, completion of the basic course at the AF Combat Ammunition Center and a minimum of 6 months' experience performing and managing conventional munitions functions and activities; or a minimum of 12 months' experience performing and managing conventional munitions functions and activities.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Nuclear Munitions
B	Conventional Munitions

Staff AFSC 21G4
Qualified AFSC 21G3
Entry AFSC 21G1

LOGISTICS PLANS

1. Specialty Summary. Manages, formulates, and administers logistics plans and programs within the operational (retail), acquisition (wholesale), joint, and international communities. Plans for and manages systems, subsystems, or equipment throughout its life cycle, including integrated logistics support (ILS) during acquisition phase. Manages installation mobility, war reserve materiel (WRM), and support agreements programs, and logistics contingency planning. Related DoD Occupational Group: 8A.

2. Duties and Responsibilities:
2.1. Plans and organizes logistics plans and program activities. Integrates maintenance, supply, transportation, contracting, and other operations and support logistics activities into plans and programs. Develops logistics support policies, concepts, and systems, and provides guidance for implementation. Accomplishes joint planning with staff activities, other military services, and civilian agencies. Prepares and implements directives to assure effective logistics support. Directs installation mobility program. Directs planning for force beddown and other logistics activities to support contingency operations.
2.2. Directs and coordinates logistics plans and programs activities. Maintains liaison with operational activities to determine present and projected logistics requirements. Advises commanders and staff activities on status of logistics functions. Serves as logistics focal point for coordination with DoD, joint activities, major commands, representatives of foreign governments, and government contractors for international logistics and security assistance matters. Directs negotiation of support agreements and management of WRM. Provides advisory service to allied Air Forces in developing policies and procedures for integration of all facets of logistics and logistics support concepts.
2.3. Provides acquisition program support. Serves as program office staff focal point for logistics throughout acquisition life cycle. Assists program manager by performing managerial tasks associated with ILS. Assists in program documentation such as the ILS plan, program management plan, and test and evaluation plans and programs. Translates program requirements and specifications into logistics support requirements.
2.4. Provides life cycle logistics support and system management. Develops, initiates, integrates, and manages logistics actions associated with life cycle management of weapon systems, subsystems, and equipment. Develops and implements logistics plans and programs assigning responsibilities to operating agencies and using commands. Participates in fiscal policy formulation for managed weapon systems. Coordinates programming of resources with functional managers, and assesses program against requirement for balanced results.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: techniques of logistics planning and programming in functional areas of supply, maintenance, transportation, and contracting; capabilities, limitations, and operation of Air Force support activities; statistical methods and procedures; management procedures for acquisition and life cycle logistics support and system management; and Air Force operations and organization.
3.2. Education. For entry into this specialty, undergraduate academic specialization in logistics management, business administration and management, industrial management, economics, statistics, or mathematics is desirable.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 21G3, one of the following is mandatory:
3.4.1. Full qualification in another specialty in the logistics career area or the communications-electronics career area, and a minimum of 12 months' experience in AFSC 21G3 assignments; or
3.4.2. 24 months' experience in AFSC 21G3 assignments.
3.5. Other. Not used.

Staff AFSC 21M4
Qualified AFSC 21M3*
Entry AFSC 21M1*

SPACE AND MISSILE MAINTENANCE
(Change 30 Apr 97)

1. Specialty Summary. Performs and manages spacelift and missile maintenance activities on launch facilities, including maintenance, repair, and inspection of space and missile flight systems, expendable launch vehicles (ELV), and associated ground support equipment (SE). Serves as space and missile maintenance staff advisor to commanders. Related DoD Occupational Groups: 4F.

2. Duties and Responsibilities:
2.1. Formulates maintenance policies and procedures for all space and missile systems. Builds integrated logistics support plans and develops maintenance support structures to sustain maintenance and personnel required to support all mission areas. Establishes training requirements and support standards of operational systems. Identifies and upgrades system deficiencies to meet mission requirements and enhance safety.
2.2. Plans and organizes space and missile maintenance activities. Performs engineering functions for maintenance and operations facilities; provides space, tools, test equipment, and spare parts; establishes work flow. Develops and improves methods and procedures for assembly, checkout, calibration, and analysis of aerospace systems. Establishes performance standards for system assembly, checkout, and component replacement. Plans and coordinates booster flight profiles. Manages qualifications and validations of ELVs, including engineering proposals, hardware, and software procurement. Certifies launch readiness of flight hardware, associated facilities, and supporting test range resources. Directs DoD and civilian agencies and aerospace contractors throughout launch preparation activities.
2.3. Manages and coordinates activities in support of intercontinental ballistic missile (ICBM) launch readiness and space flight operations. Advises commander on operational status of spacelift and ICBM assets. Maintains liaison with manufacturers' representatives in solving maintenance and performance problems. Coordinates all lateral logistics activities to ensure supply, transport, and funding are integrated to support mission requirements. Develops flight plans, and supports ground flight software and hardware configuration. Monitors operation and performance of vehicle activities and flight dynamics. Represents logistics in the development of flight procedures, mission checklists, and mission flight rules.
2.4. Directs and performs spacelift and missile maintenance activities. Reviews command mission in terms of specific objectives and priorities. Applies resources to maximize operational readiness with existing maintenance assets. Observes, conducts, and evaluates effectiveness of spacelift and missile maintenance training, standardization, and inspection programs. Inspects space and missile activities and units for compliance with directives and procedures. Conducts nuclear and missile safety training. Writes nuclear weapons annexes to logistics plans. Provides spacelift and weapon system data for operational and logistics support analysis. Monitors and evaluates contracted logistics and maintenance support activities.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: evolution of space and missiles; spacelift and missile operations including booster and payload processing; solid and liquid rocket performance, maintenance capabilities, limitations, and employment of missile and spacelift equipment; maintenance management; production control and maintenance data collection procedures; and lateral logistic functions related to spacelift and missile maintenance.
3.2. Education. For entry into this specialty, an undergraduate academic degree in management, business administration, economics, mathematics, science, engineering, computer science, logistics management, or space operations is desirable.
3.3. Training. The following training is mandatory for award of the AFSC indicated:
3.3.1. 21M3X. Completion of undergraduate space and missile training.
3.3.2. 21M3A. Completion of a missile maintenance initial qualification course.
3.3.3. 21M3B. Completion of a spacelift maintenance initial qualification course.
3.4. Experience. The following experience is mandatory for award of the AFSC indicated:
3.4.1. 21M3A. A minimum of 24 months' experience in ICBM maintenance units.
3.4.2. 21M3B. A minimum of 24 months' experience in spacelift maintenance units.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Missile
B	Spacelift

Staff AFSC 21S4
Qualified AFSC 21S3
Entry AFSC 21S1

SUPPLY
(Changed 30 Apr 97)

1. Specialty Summary. Directs, manages, and operates supply, equipment, and fuels management systems; develops, formulates, and implements plans, programs, and policies to operate, manage, and administer current and projected supply and fuels management systems; requirements determination and computation; allowances and authorizations; inventory and distribution control; reporting; stock fund operating programs preparation; and operations operating budget preparation. May serve as an accountable officer. Related DoD Occupational Group: 8B.

2. Duties and Responsibilities:
2.1. Directs supply and fuels operations activities. Administers, directs, or manages retail or wholesale supply and fuels activities. Included are inventory management; materiel facilities; determining, provisioning, computing, and analyzing current and projected materiel requirements; determining and applying authorizations and allowances; determining, establishing, and maintaining stock levels; fuel receipt from pipelines, trucks, rail cars, and marine vessels; fuel dispensing systems; bulk fuel storage facilities; cryogenics production and storage; and test and evaluation of fuels samples. Inspects, reviews, and evaluates work methods and procedures.
2.2. Coordinates supply and fuels operations. Coordinates with commander, staff, and operating units on supply and fuels support. Coordinates with other elements of wholesale and retail supply organizations to assure support to Air Force units.
2.3. Performs supply and fuels operations functions. Interprets supply and fuels directives. Ensures accountability is maintained for supplies, equipment, and fuels. Determines effectiveness of functional data systems. Evaluates assigned supply data systems applying approved standards and criteria to ensure proper implementation, operation, and results. Resolves problems related to storage, fire hazards, and truck filling or aircraft refueling areas.
2.4. Performs and manages supply and fuels operations activities. Programs, plans, and evaluates operations and programs to support retail and wholesale equipment, fuels, and supply management.
2.5. Formulates supply and fuels management policies. Develops plans and establishes policies and procedures to manage supply and fuels activities, including systems design and analysis, determination and computation of requirements, plans for activation and inactivation, facility requirements, equipment allowances, and supply and fuels accounting. Develops stock fund operating programs and determines operating budget. Determines readiness requirements, including emergency supply and fuels support plans, and tactical and strategic movement of personnel, materiel, and units. Provides guidance on handling of readiness materiel stocks, including location, type of storage, protection, security, and quality control.
2.6. Coordinates supply and fuels management activities. Keeps commanders and staff advised as to status of available supply and fuels support. Coordinates with operating units and staff to determine present and projected requirements for equipment, fuels, and supplies; test and evaluate procedures related to computing requirements, reporting, shipment, and distribution of supplies, fuels, and equipment; and to assure timely training and efficient use of supply and fuels personnel. Coordinates with elements of DoD and other governmental and civilian agencies to assure support of Air Force units.
2.7. Develops functional data systems. Designs and develops standard supply and fuels data systems. Uses mass data handling techniques to meet needs of supply systems management. Provides functional systems knowledge and guidance for programming and analysis of data systems. Determines standards for supply and fuels systems operations, and machine compatibility requirements. Develops and implements policies and procedures pertaining to supply and fuels data systems. Surveys implemented data systems, and inspects to determine degree of compliance with procedures and policies, and adequacy and effectiveness of data systems.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: wholesale supply operations; retail supply and fuels organizations capabilities, limitations, and technical characteristics; supply policies, procedures, and doctrine; interrelationship of other logistic disciplines; procedures for operating budget preparation, supply data systems, properties and characteristics of petroleum products, liquid propellants, gases, and oxidizers; and U.S. Air Force operations and organizations.
3.2. Education. For entry into this specialty, an undergraduate degree or specialization is desirable in economics, management, business administration, computer science, accounting, petroleum engineering, chemical engineering, industrial management, or engineering.

3.3. Training. For award of AFSC 21S3, completion of the supply operations officer course is mandatory.
3.4. Experience. For award of AFSC 21S3, a minimum of 24 months' experience is mandatory in wholesale or retail supply, or fuels operations assignments. Experience must include responsibility for directing, managing, and operating supply or fuels systems.
3.5. Other. Not used.

Staff AFSC 21T4
Qualified AFSC 21T3
Entry AFSC 21T1

TRANSPORTATION
(Changed 30 Apr 97)

1. Specialty Summary. Develops and implements transportation plans, programs, policies, and procedures. Operates and administers transportation and logistics distribution management functions. Manages transportation activities, including vehicle operations and maintenance, traffic management, combat readiness and resources, and air terminals. Develops and implements transportation mobility, and contingency plans and programs. Related DoD Occupational Group: 8C.

2. Duties and Responsibilities:
2.1. Plans and organizes transportation activities. Determines facilities and equipment for mission requirements. Prepares and manages unit budget and other resource programs. Develops work specifications, reviews contracts for sufficiency, and acts as technical expert to contracting officer on transportation matters.
2.2. Formulates, develops, reviews, and executes transportation policies, plans, and annexes. Accomplishes joint service planning to establish and employ DoD and commercial transportation systems to support defense logistics requirements, including determination of military, civil, domestic, and international transportation requirements, and establishing movement priorities for all modes of transportation.
2.3. Establishes policies and procedures to manage vehicle fleet operations and maintenance, and transportation of material, personnel, dependents, and personal property. Develops plans and programs to implement, analyzes, evaluate, and maximize use of transportation systems, data automation equipment, and techniques and procedures. Identifies transportability considerations for engineering, design, and construction consideration in specifications and contracts. Establishes and administers an effective packaging, packing, and preservation program. Determines operational requirements and specifications for vehicles and materials handling equipment, including reliability, maintainability, and standardization considerations for maintenance of facilities and equipment. Develops and administers operating budgets to support transportation activities. Recommends areas of research and studies to improve capabilities.
2.4. Coordinates transportation activities. Advises commander and staff on transportation problems and capabilities. Coordinates contingency support requirements and capabilities other agencies. Coordinates vehicle requirements, assignments, priorities, and warranty repairs. Resolves equipment problems. Evaluates quality of operator maintenance. Coordinates military and commercial aircraft schedules with control and operations centers, and flight line agencies.
2.5. Schedules and coordinates movement of materiel, personnel, and personal property by commercial or military modes. Maintains liaison with transportation operating agencies, other services, and other federal agencies to schedule and coordinate movement of materiel, cargo, and personnel.
2.6. Evaluates movement forecasts and flow of personnel and materiel into transportation system, movement capabilities, and efficiency of modes used. Collects and analyzes data on surface and air transportation, motor vehicle fleet management and maintenance, and materials handling equipment. Develops policies and procedures to prevent vehicle abuse and misuse.
2.7. Plans transportation support for special operations, extraordinary requirements, natural disasters, contingency deployments, and combat support. Directs unit mobility support through transportation control work centers. Focal point for unit contingency planning. Inspects transportation activities to determine mission performance, capability, and degree of compliance with directives. Prepares, reviews, and submits changes to publications on transportation methods, policies, and procedures. Conducts and directs training to execute mobility plans and annexes. Directs port liaison activities.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: capabilities, procedures, limitations, and technical characteristics of military and commercial carriers, surface and air, including passenger, personal property, freight rates, and transportation contract negotiating procedures; techniques of logistics and mobility planning, packaging methods, and specifications; motor vehicle fleet and maintenance management; U.S. Air Force transportation policy and doctrine; general theory, fundamentals, and procedures of other areas of logistics; and planning, programming, and budgeting systems.
3.2. Education. For entry into this specialty, undergraduate academic specialization in business administration with emphasis in transportation, physical distribution, logistics management, packaging, industrial, mechanical or automotive engineering, or computer science is desirable.

3.3. Training. For award of AFSC 21T3, completion of the Transportation Officer, or equivalent courses approved by Headquarters U.S. Air Force, Directorate of Transportation, Strategic Mobility, and Readiness Division (HQ USAF/ILTR), is mandatory.
3.4. Experience. For award of AFSC 21T3, a minimum of 24 months' experience is mandatory.
3.5. Other. Not used.

Attachment 7

SUPPORT CAREER AREA (3XXX)

Introduction
(Changed 31 Oct 98)

The Support Career Area encompasses program formulation, policy planning, coordination, inspection, command and direction, and supervision and technical responsibilities pertaining to force protection; civil engineering and disaster preparedness; communications - information systems and visual information; morale, welfare, recreation, and services; public affairs and band; mission support, personnel, and information management; and manpower.

The Support Commander coordinates and directs the efforts and resources of Support units to meet mission and installation needs and objectives. The Communications Commander commands and directs Communications Groups.

SUPPORT	
Command	
30C0	Support Commander
Security Forces	
31PX	Security Forces
Civil Engineering	
32EX	Civil Engineer
Communications	
33C0	Communications Commander
33SX	Communications and Information
Services	
34MX	Services
Public Affairs	
35BX	Band
35PX	Public Affairs
Mission Support	
36MX	Mission Support
36PX	Personnel
Manpower and Quality Management	
38MX	Manpower and Quality Management

AFSC 30C0

SUPPORT COMMANDER
(Changed 31 Oct 97)

1. Specialty Summary. Commands Support Group. Directs and monitors support activities and units. Ensures cohesive integration of functions and resources in force protection; civil engineering (CE); communications - computer; morale, welfare, recreation, and services (MWRS); public affairs; personnel; information management; and manpower to support installation, Wing, and mission needs. Related DoD Occupational Group: 7C.

2. Duties and Responsibilities:
2.1. Directs support units. Determines requirements of assigned units by analyzing mission and interpreting directives, orders, and regulations. Formulates plans and establishes policies and procedures for activities such as personnel, administration, training, facility use, recreational services, open mess operations, engineering and construction, food services, billeting supply, small arms firing, youth programs, force protection, and communications. Directs implementation of programs for activities such as flying safety, reserve training, disaster preparedness, force protection, sanitation, utility service, crash rescue, fire protection, proficiency flying, host-tenant agreement, labor negotiations, and equal employment opportunity. Directs studies and surveys to determine perceptions of personnel, and implements plans to resolve problems and eliminate conditions contributing to low morale. Ensures availability of religious, legal education, photo, graphics, and audiovisual services. Selects and assigns commanders of specialized squadrons such as security forces, combat support and CE. Convenes summary courts and approves special courts-martial and discharge actions for all installation personnel.
2.2. Monitors support activities. Reviews inspection reports to determine status of activities such as military and civilian personnel, labor relations, and materiel. Inspects assigned units and organizations, including base exchange outlets and commissaries, to ensure compliance with directives and procedures. Inspects and evaluates program effectiveness for housing, welfare, education, force protection, weapons storage, and dormitories.
2.3. Coordinates support activities. Conduct staff meetings and converses and appoints boards, councils, and committees to assist in managing assigned activities. Ensures effective interface of assigned units with those of other functional areas to optimize support and accomplish primary mission. Coordinates with civic organizations to develop an effective community relations program.

3. Specialty Qualifications:
3.1. Knowledge. For award and retention of this AFSC, knowledge is mandatory of: Air Force management concepts and objectives, and their relationship to mission accomplishment; concepts and directives governing the administration of military justice; principles of military administration; personnel management; resource management; force protection; MWRS; communications - computers and visual information; public affairs; and manpower.
3.2. Education. For entry into this specialty, a Master's degree in management, or business administration with a major in management is desirable.
3.3. Training. Not used.
4. Experience. For award of this AFSC, experience is mandatory in overall direction and responsibility for activities within the area of personnel; CE; security forces; administration; logistics; MWRS; communications - computers; visual information; public affairs; or manpower.
3.5. Other. Not used.

INTRODUCTION

SECURITY FORCES UTILIZATION FIELD (31PX)
(Changed 31 Oct 97)

The Security Forces Career Area encompasses development and management of force protection programs and plans that support Air Force, joint service, and combined operation mission requirements. Security Force members perform the military police function within the Air Force. Included in this career area are immediate leadership, supervisory and technical responsibilities for security of installations, facilities, and resources under the jurisdiction of the Air Force; local ground defense of installations against attack by hostile ground forces, including airborne and terrorist, under conditions which could include air and nuclear, biological, chemical attack; security of nuclear weapons in custody of the Air Force; enforcement of law and order; protection of national security information within USAF activities and industrial contractor facilities, and the determination of trust worthiness of Air Force military and civilian personnel.

Excluded from this career is the primary responsibility for Operations Security and Communications Security. The following is a complete listing of AFSCs for the Security Forces Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
SECURITY FORCES	31P4 31P3 31P1	Security Forces

Staff AFSC 31P4
Qualified AFSC 31P3
Entry AFSC 31P1

SECURITY FORCES
(Changed 31 Oct 97)

1. Specialty Summary. Leads, performs, and manages force protection programs, including installation security, air base defense, weapon systems and resources security, law enforcement, military working dog, training, information security, personnel security, industrial security, and security classification management. Related DoD Occupational Group: 7H.

2. Duties and Responsibilities:
2.1. Plans, organizes, leads and directs security forces activities. Develops plans and implements policies to ensure effective and efficient use of personnel and equipment. Develops procedures and instructions to enforce military law and order and protect national security information. Initiates programming and budgeting actions for initial acquisition, modification, and replacement of security force facilities, vehicles, equipment, and other resources.
2.2. Assigns, leads and directs security forces personnel in normal and emergency operations. Oversees and evaluates unit performance. Conducts post and guard mount checks. Makes spot checks for facilities and equipment to ensure operational effectiveness; reports deficiencies. Leads and directs air base defense elements.
2.3. Performs security forces functions. Evaluates employment of security forces weapons to ensure maximum effectiveness. Evaluates electronic security systems to ensure effective installation and use.
2.4. Formulates security forces programs, plans, and policies. Assesses Air Force installation vulnerability and establishes programs, plans, and policies to protect Air Force combat capability. Formulates standards and policies to implement existing DoD programs and policies. Establishes security classification management programs. Develops orientation and education programs for information security.
2.5. Coordinates security forces activities. Provides representation on boards and planning groups involving security and law enforcement matters. Coordinates with other units, military services, and civilian agencies on security, base defense, and law enforcement matters.
2.6. Monitors and directs security forces programs. Monitors and directs programs to ensure the most cost effective mix of security forces personnel and equipment. Initiates and monitors research and development programs to assist in design and acquisition of equipment to provide more effective security for Air Force resources.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: Air Force security force programs and basic management functions, such as installation security measures; nuclear and conventional weapon systems and resources security concepts; air base defense and anti-terrorist tactics; police administration, including law enforcement, traffic management, confrontation management, military working dog procedures, programming and budgeting procedures; information security concepts; principles of deployment operational capabilities, limitations, and vulnerabilities; basic technology of electronic and other security equipment; and employment of security forces weapons.
3.2. Education. For entry into this specialty, undergraduate academic specialization in sociology, criminology, police administration, criminal justice, or a related area is desirable.
3.3. Training. For award of AFSC 31P3, completion of the basic security forces officer course is mandatory. Also, active duty members must complete the ground combat skills level 4 course.
3.4. Experience. For award of AFSC 31P3, a minimum of 24 months experience is mandatory in security forces assignments.
3.5. Other. For award and retention of these AFSCs, qualification to bear firearms according to AFI 31-207, *Arming and Use of Force by Air Force Personnel* is mandatory.

INTRODUCTION

CIVIL ENGINEER UTILIZATION FIELD (32)
(Changed 31 Oct 97)

The Civil Engineer (CE) Career Area provides combat engineering support for deployed Air Force units and weapons systems, emergency repair of war damage to air bases, base denial activities, and other related combat support functions; develops, monitors, and briefs survivability actions and methods to recover capabilities after attack; and organizes trains, and equips contingency forces for nuclear, biological, chemical, and conventional attack operations and other emergency situations. The career field also encompasses activities relating to acquisition, maintenance, operation, and disposal of real property facilities, and includes planning, program formulation and execution, policy development, inspection, command, and direction of CE activities. Included are supervisory, operational, and engineering responsibilities for construction, maintenance, and repair of Air Force real property; operation of utility systems; fire prevention, protection, and aircraft crash rescue; disaster preparedness; explosive ordnance disposal. Functions involving planning and programming for maintenance, repair, and construction requirements; design and preparing plans and specifications for contracts, contract inspection, budgetary development and planning; establishing standards, requirements, and funds management for personnel, supplies, and equipment; environmental protection and base procedures for construction and maintenance of environmental improvements; planning, budgeting, construction, maintenance, and management of military family housing; acquisition, utilization, and disposal of real estate under Air Force jurisdiction; and training and use of CE professional and technical personnel.

Officers performing civil engineering functions not requiring a specific engineering discipline are identified by AFSC 32E3G/1G. Readiness non-engineer positions and personnel are identified by AFSC 32E3D/1D. Readiness engineer positions and personnel are identified by AFSC 32E3B/1B. Non-engineer EOD positions and personnel are identified by AFSC 32E3K/1K. Engineer EOD positions and personnel are identified by AFSC 32E3H/1H. For award of a shredout other than B, D, H, K or G, the mandatory degree must be in the academic area specified by the shredout.

Civil engineer officers will be upgraded based on 2 years of duty in CE regardless of shredout, except suffixes D and K. Upgrading will be in the shredout relating to their academic discipline or suffix G - General Engineer, dependent upon duty position. Officers whose academic area is not compatible with suffixes A, C, E, F, or J will be upgraded in suffix G only.

Officers of all shredouts may be assigned to positions requiring suffix G. The following is a complete listing of AFSCs for the Civil Engineer Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
CIVIL ENGINEER	32E4 32E3* 32E1*	Civil Engineer A - Architect/Architectural Engineer B - Readiness Engineer C - Civil Engineer D - Readiness (Non-Engineer) E - Electrical Engineer F - Mechanical Engineer G - General Engineer H - Explosive Ordnance Disposal Engineer J - Environmental Engineer K - Explosive Ordnance Disposal (Non-Engineer)

Staff AFSC 32E4
Qualified AFSC 32E3*
Entry AFSC 32E1*

CIVIL ENGINEER
(Changed 31 Oct 97)

1. Specialty Summary. Develops and implements civil engineer (CE) force employment, and provides staff supervision and technical advice. Performs and manages CE functions and activities to provide facilities and infrastructure supporting the United States and allies. Activities include programming, budgeting, project management, drafting, surveying, planning, feasibility studies, construction management, utilities operations, energy and environmental programs, land management, real property accounting, fire protection, explosive ordnance disposal (EOD), disaster preparedness (DP) programs, family housing and dorm management, and mobilization programs at base level. Serves on response teams and related installation support services. Advises commanders and government officials on effective use of CE resources. Related DoD Occupational Group: 4A.

2. Duties and Responsibilities:
2.1. Supports combat operations and activities. Maintains trained and equipped forces capable of responding to worldwide contingencies and military operations other than war. Evaluates capabilities and develops contingency methodologies to accomplish mission objectives. Maintains emergency response force to cope with enemy attacks, major accidents, and natural disasters. Plans, develops, and executes procedures to mitigate the effects, render safe, and dispose of conventional, nuclear, chemical biological ordnance and improvised explosive devices. Provides on-scene advice to commander on control and integration of emergency response force. Develops, monitors, and briefs survivability actions and methods to recover capabilities after attack. Organizes, trains, and equips contingency forces for conventional and nuclear, biological, and chemical attack operations, and other emergency situations. Acts as weapons recovery cell director as a member of the response task force for nuclear accidents.
2.2. Determines requirements, establishes plans, provides designs, and directs operations, maintenance, repair, alteration, addition, and construction of facilities and utility systems. Determines personnel and material resource requirements. Plans and establishes land use, and provides environmental stewardship. Directs CE forces in support of customers' requirements, and coordinates activities with subordinate and lateral units and functions. Determines proper use of facilities and effective employment of utility systems. Acts as technical representative and engineering consultant for operations and maintenance activities. Coordinates activities with local, state, federal, and host country agencies.
2.3. Develops CE plans and policies. Evaluates impact of legislative action, executive orders, directives, and management decisions. Consults with manpower, organization, and personnel staffs to ensure appropriate use of CE personnel. Coordinates with staff agencies on fiscal and legal matters. Directs training, business practices, and professional development activities. Serves as CE advisor to commanders. Implements standardization and evaluation, and monitors compliance of programs and policies. Directs and conducts engineering research and feasibility studies and surveys.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: contingency engineering, contingency base operations, explosive ordnance disposal (EOD), and survivability skills, including force bed-down, expedient damage repair, and recovery after attack; methods, sources, and techniques of engineering design, construction, maintenance, operation, and repair of facilities and utility systems; resource acquisition and management; military facilities programming and planning; environmental stewardship; housing management; management of real property; fire prevention, protection, and aircraft crash rescue procedures; engineering research and development; and formulation, coordination, and administration of plans and programs.
3.2. Education. The following education is required for entry into AFSCs 32E1X as indicated:
3.2.1. 32E1A/B/C/E/F/G/H. Program completion is mandatory of an undergraduate academic specialization in architecture or civil, electrical, general, environmental, construction, architectural, or mechanical engineering discipline resulting in graduation from an institution accredited by the Accreditation Board for Engineering and Technology or the National Architectural Accreditation Board.
3.2.2. 32E1G. Prior qualification in AFSC 1916/32E4 or 1944/32E3D, 12 months' base level experience, and being in a DP or Air Base Operability (ABO) position on 31 Oct 93, or prior qualification in AFSC 4016/21A4 or 4024B/21A3K,
12 months' base level experience, and being in an EOD position on 30 Apr 94, may be substituted for an engineering degree.
NOTE: There is no intent to classify non-engineers into AFSC 32E1D or 32E1K. All classifications for Readiness after
31 October 1993 and for EOD after 30 April 1994 will be in AFSC 32E1B or 32E1H respectively, and will require an engineering degree.

3.2.3. 32E1J. Program completion is desirable of undergraduate academic specialization in environmental engineering. Degree disciplines outlined in paragraph 3.2.1 may be substituted.
3.3. Training. The following training is mandatory for award of the AFSC indicated:
3.3.1. 32E3A/B/C/E/F/G/H/J. Completion of Air Force Institute of Technology (AFIT) course WMGT 101, Introduction to Base Civil Engineering Organization.
***NOTE*:** For Air Reserve Component officers, AFIT courses WMGT 102, Introduction to Base Civil Engineer Organizations for Reserve Forces, and WMGT 484, Reserve Forces Air Base Combat Engineering, may be substituted for AFIT course WMGT 101.
3.3.2. 32E3B. Completion of AFIT course WMGT 410, CE Readiness Management Applications and the Readiness Flight Officer course.
3.3.3. 32E3H. Completion of the initial skills training course for EOD.
3.4. Experience. The following experience is mandatory for award of the AFSC indicated:
3.4.1. 32E3A/B/C/E/F/H/J. A minimum of 24 months' experience in the specialty shredout, with at least 12 of the 24 months at base level.
3.4.2. 32E3D. Must have previously held AFSC 1944/1916, and have served at least 12 months at base level, and be filling a Disaster Preparedness/ABO position on 31 October 1993.
3.4.3. 32E3G. A minimum of 24 months' experience in suffix G or in any specialty suffix identified in paragraph 3.4.1., with a least 12 of the 24 months at base level. Cumulative experience in any of the other suffixes, may be credited toward the total experience requirement for award of 32E3G.
3.4.4. 32E3K. Must have previously held AFSC 21A4 or 21A3B, and have served at least 12 months at base level, and been filling an EOD position on 30 April 1994.
3.5. Other. Not used.

4. Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Architect/Architectural Engineer
B	Readiness Engineer
C	Civil Engineer
D	Readiness (Non-Engineer)
E	Electrical Engineer
F	Mechanical Engineer
G	General Engineer
H	Explosive Ordnance Disposal Engineer
J	Environmental Engineer
K	Explosive Ordnance Disposal (Non-Engineer)

COMMUNICATIONS AND INFORMATION UTILIZATION FIELD (33SX)

Introduction
(Changed 31 Oct 98)

The communications and information (comm and info) career area encompasses aspects of planning, acquisition, technical architecture design, information resource management, postal operations, engineering, and visual information management. Comm and info officers support operations functions, missions and activities; conduct strategic planning; design, build, manage and maintain systems and communications architectures; plan and organize comm and info acquisition management activities; perform comm and info engineering functions; direct information life cycle management activities; perform and manage visual information functions; and support strategic information operations.

Comm and info officers are responsible for providing computerized, satellite and airborne communications; common user and special purpose computers and associated software, firmware, and data bases; radio and wire communications and other means used for electrical and visual transmission and reception of information or messages (clear text or encrypted); radar and radiation aids to navigation, air traffic control, and aircraft warning and interception; ground electronic devices and systems; tracking systems for aircraft, satellites, space communications, and guided missiles; electronic weather equipment; and electronic countermeasures devices. Comm and info services, functions, and activities are provided in fixed, tactical, airborne and mobile configurations.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
COMMUNICATIONS-INFORMATION SYSTEMS	33C0	Communications Commander
	33S4 +33S3* +33S1*	Communications and Information A - Electrical Engineer

AFSC 33C0

COMMUNICATIONS COMMANDER
(Created 31 Oct 98)

1. Specialty Summary. Commands Communications Groups. Directs and monitors activities to ensure seamless integration of communications and information support resources for Air Force operations.

2. Duties and Responsibilities:
2.1. Commands units. Directs communications and information functions at base communications, combat communications, combat communications support, computer systems, combat camera and air communications squadrons. Implements directives from higher headquarters.
2.2. Coordinates unit activities. Coordinates staff activities pertaining to unit personnel and information management, financial and supply management, planning, and programming to ensure accomplishment of unit mission.
2.3. Monitors communication and information activities. Monitors, and evaluates effectiveness of activities and functions, training programs, readiness of personnel and systems, and operation and adequacy of support activities.

3. Specialty Qualifications:
3.1. Knowledge. For award and retention of this AFSC, knowledge is mandatory of: communications, computers, visual information, information resource management, and postal activities.
3.2. Education. For entry into this specialty, a Master's degree in computer systems or data processing, computer science, computer technology, software engineering, telecommunications, electrical engineering, information resources management, or business administration is desired.
3.3. Training. Not used.
3.4. Experience. For award of this AFSC, the following experience is mandatory:
3.4.1. Experience in a staff-level position in one or more functional area within communications and information.
3.4.2. Experience in base-level fixed or tactical communications and information functions.
3.5. Other. Not used.

Staff AFSC 33S4
Qualified AFSC 33S3*
Entry AFSC 33S1*

COMMUNICATIONS and INFORMATION
(Changed 30 Apr 99)

1. Specialty Summary. Conducts strategic and tactical planning. Supports joint and service communications and information (comm and info) requirements. Implements and conducts comm and info unit operations. Conducts defensive information operations. Manages communications related plans, acquisitions, architectures, information resources, postal operations, comm and info engineering efforts, and Air Force visual information (VI) needs. Supports force employment planning, execution, and combat assessment. Conducts deployed communications operations. Plans, develops, engineers, and maintains comm and info architectures and standards. Develops programs to perform Air Force, joint, and allied missions. Uses information as a resource. Performs operations and maintenance of VI activities. Related DoD Occupational Group: 4C.

2. Duties and Responsibilities:
2.1. Conducts information operations. Supports commanders and Joint Task Forces (JTF) with command and control communications, computer support, information resources management, and postal and air traffic services. Evaluates capabilities and develops contingency methodologies. Plans, engineers, installs, and maintains capability to collect, process, disseminate, and use information while denying the adversary's ability to do the same. Provides military commanders an integrated and interactive picture of mission areas.
2.2. Conducts strategic planning. Develops and writes Air Force, joint service, and combined plans, programs, and policies. Coordinates plans to ensure coherent planning efforts. Provides input to the planning, programming, and budgeting system. Programs facility, equipment, funding, material, and manpower resources.
2.3. Responsible for systems and communications architectures supporting operational needs. Translates system operational concepts, requirements, architectures, and designs into detailed engineering specifications and criteria. Designs, builds, manages, and maintains distributed networking and computing systems.
2.4. Plans and organizes comm and info acquisition life cycle management activities. Manages cost, schedules, performance, and support of acquisition programs.
2.5. Directs information life cycle management. Develops and implements policy and standards to manage information throughout its life cycle. Applies data administration concepts for efficient and economical use of accurate, timely, and sharable information. Analyzes mission requirements. Uses functional process improvement methodologies (e.g. data and activity modeling, activity-based costing, and functional economic analysis) to assess capabilities, establish priorities, and formulate plans for comm and info processes.
2.6. Leads VI functions and activities. Develops VI products to support readiness and training applications. Trains, equips, and leads deployment teams and acquires imagery for operational reporting, decision making and historical record. Manages processing and exploitation of armament delivery recording (ADR) for operational requirements. Programs resources to meet VI requirements supporting scientific laboratory testing, weapons effects studies, tactics evaluations, combat documentation, and operation of television facilities and systems.
2.7. Leads staff support activities. Provides management and command advisory assistance. Coordinates specialized information collection, production, and presentation. Directs and coordinates executive functions, services, and activities. Represents commander in interaction with other agencies.
2.8. Performs engineering functions. Develops and engineers architectures for communications systems. Provides engineering support to develop detailed hardware, software, and firmware design. Coordinates systems matters with research and development, logistics, civil engineering, and other support agencies during definition, acquisition, and acceptance of systems facilities and equipment.

3. Specialty Qualifications:
3.1. Knowledge. The following knowledge is mandatory for award of the AFSC indicated:
3.1.1. 33S3. Operational, systems, and architecture design and implementation; functional process improvement methodologies; information resources management fundamentals; techniques of communications and information planning, programming, project management, acquisition, contracting, operations and maintenance for Air Force, joint, and allied fixed and combat operations; and VI functions and activities.
3.1.2. 33S3A. Communications systems and standards, distributed network engineering principles and practices, and software engineering principles and practices; Air Force systems engineering process, including development, test, and

engineering policies, procedures, and management practices; communications systems architectures; and detailed hardware, software, and firmware design.

★3.2. Education. The following education is required for entry into the AFSC as indicated:

3.2.1. 33S1. Minimum of 18 credit hours of information technology related courses is mandatory. Included are courses in telecommunications, computers, mathematics, engineering, and information technology and resource management. Undergraduate academic specialization is desirable in computer science, information resources management, software engineering, mathematics, scientific engineering, business disciplines with computer science specialization, industrial or engineering management, physical science, or physics.

3.2.2. 33S1A. Undergraduate academic specialization in electrical engineering is mandatory.

3.3. Training. For award of AFSC 33S3/S3A, completion of the basic communications and information officer course is mandatory.

3.4. Experience. For award of AFSC 33S3/S3A, a minimum of 18 months of experience in 33S3/S3A assignments is mandatory.

3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Electrical Engineer

INTRODUCTION

SERVICES UTILIZATION FIELD (34MX)

The Services Utilization Field provides management and oversight of appropriated fund (APF) and nonappropriated fund (NAF) activities. Included are food service (dining halls and snack bars); transient housing (billeting and temporary lodging facilities); mortuary affairs (search and recovery, inspection of human remains, briefing next of kin, military honors, honor guard management, and personal property program); recreation activities (fitness centers, recreation centers, and arts and crafts centers); libraries; outdoor recreation activities; private organizations; business activities (golf courses, clubs, bowling centers, and logistic support centers); youth programs (child development and youth centers); membership clubs (rod and gun, and aero); NAF Human Resource Office; logistics; marketing; and other specialized programs and support staff functions. This field is also responsible for APF and NAF vehicle control; monitoring allocations received from the resource recycling and recovery program; pay telephone; leisure travel services; force management functions involving education, training, manpower, and human resource management; and command of services units.

Services personnel perform duties as the installation consumer affairs advocate for services provided by the Defense Commissary Agency (DeCA) and the Army and Air Force Exchange Service (AAFES). They provide liaison support to DeCA and AAFES unless directly assigned to a DeCA or AAFES activity; manage Prime Food and Readiness teams for DeCA to support subsistence and resale functions during contingencies; establish, maintain, and use automated information management systems such as Services Information Management System, Site Automation System, and NAF Management Information System; perform quality assurance functions when areas of responsibility are contracted; provide direction for overall human services by planning and carrying out surveys that indicate serviced population's interests and attitudes; and evaluate program needs by stimulating and maintaining interest and participation in hospitality and recreational activities.

The Services Utilization Field is a contingency-related field. Personnel serving in this field may participate in recovery operations as a result of natural or man-made disasters. They may also be subject to deployment and employment in hostile environments created by terrorism, sabotage, or chemical, biological, or conventional warfare. Personnel in this field establish, train, equip, and maintain in a ready status, specialized mobility teams that deploy to perform essential human services during wartime or other contingencies.

Excluded from this field are functions of APF contracting for services such as mortuary and disposition of excess or surplus APF property. These functions are included in the Acquisition Contracting/Manufacturing Utilization Field. Food service functions do not include hospital food service activities. The following is a complete listing of AFSCs for the Services Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
SERVICES	34M4 34M3 34M1	Services

Staff AFSC 34M4
Qualified AFSC 34M3
Entry AFSC 34M1

SERVICES

1. Specialty Summary. Leads Services activities. Develops and implements plans, programs, and policies for operation and oversight of food service, lodging, fitness, mortuary, recreation, child development, and leisure functions. Leads and trains Prime Readiness in Base Services (RIBS) in worldwide deployments in response to national contingencies and military operations other than war. Sustains personnel readiness and mission effectiveness by providing high quality services for active duty, Air Reserve Component, DoD civilians and family members at bases around the globe during peacetime and war. Related DoD Occupational Group: 8G.

2. Duties and Responsibilities:
2.1. Directly supervises activity level operations. Supervises section level operations with an emphasis on field training and mobility readiness. Focuses on food service, lodging, fitness, mortuary, troop support, tactical field exchanges, and recreation areas for both peace and wartime operations. Deploys as leader for Prime RIBS teams for real world contingencies and exercises. Develops skills in appropriated fund (APF) and nonappropriated fund (NAF) financial management, military and civilian personnel policies, corporate standards, and facility operation. Responsible to unit and staff agencies for successful conduct of section level taskings under both on base and deployed conditions.
2.2. Develops and distributes plans and policies. Establishes plans and policies for field units on resources, program operation, personnel and facilities. Monitors operations for compliance with policies and standards. Tracks financial performance, provides financial oversight and ensures adequate internal controls. Maintain liaison with other commands, other services and DoD agencies.
2.3. Leads field organizations. Leads a team of military, APF and NAF civilian employees plus serves as liaison to the Defense Commissary Agency and the Army and Air Force Exchange Service. Determines resource allocation—people, money, facilities, and equipment to accomplish organizational taskings. Supervises the operation of programs, facilities, and services. Balances resources and requirements that provide customer driven programs. Monitors and budgets for facility maintenance, repair, upgrade and replacement, equipment requirements and location of services activities. Coordinates with HQ AF, MAJCOM, wing, group, and squadron agencies to ensure proper and timely completion of mission requirements. Develops long range plans for personnel growth and facility and equipment replacement.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: readiness and mobility operations; food service, lodging, fitness, and recreation practices; civilian (APF & NAF) and military personnel policies; APF and NAF financial management principles of accountability, propriety, and stewardship; and business management principles.
3.2. Education. For entry into this specialty, undergraduate academic specialization is desirable, in hospitality, restaurant and hotel management, business administration management, finance, accounting, public administration management, or recreation and fitness.
3.3. Training. For award of AFSC 34M3, completion of a field training course one of the following is mandatory:
3.3.1. Initial skills Services management course.
3.3.2. Advanced Services management course.
3.3.3. Services leadership course and a field training course is mandatory.
3.4. Experience. For award of AFSC 34M3, a minimum of 24 months experience in Services assignments is mandatory.
3.5. Other. Not used.

INTRODUCTION

PUBLIC AFFAIRS UTILIZATION FIELD (35XX)

The Public Affairs Utilization Field encompasses functions of both the Public Affairs and Band specialties.

The Band specialty includes functions of program formulation, policy planning, inspection, command, and direction of band activities; supervisory and technical responsibilities for the procurement and training of personnel; band participation in military and quasi-military activities including parades, reviews, honor guards, and funerals; and training of and presentations by dance bands, radio and show bands, choral groups, and small instrumental ensembles made up of band personnel.

The Public Affairs specialty includes functions of policy planning, program formulating, operating, maintaining, monitoring, coordinating, and directing internal information, and media and community relations; supervisory and technical responsibility for collecting, organizing, and disseminating information to internal and public audiences; developing and preserving effective relations between the Air Force and the public; examining and appraising policies and programs of the Air Force; and advising commanders and staff officers on courses of action in terms of public interest. The following is a complete listing of AFSCs for the Public Affairs Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
PUBLIC AFFAIRS	35B4 35B3 35B1	Band
	35P4 35P3 35P1	Public Affairs

Staff AFSC 35B4
Qualified AFSC 35B3
Entry AFSC 35B1

BAND

1. Specialty Summary. Administers, manages, and directs Air Force band programs, including procurement and training of band directors and band personnel. Monitors use of bands, including scheduling and performances of band units and sub-units. Related DoD Occupational Group: 7N.

2. Duties and Responsibilities:
2.1. Formulates band policies. Analyzes requirements for Air Force bands. Reviews public laws and directives to determine impact on band programs. Formulates policies, bands and band personnel participating in public events, honors, and ceremonies. Monitors use and administration of Air Force bands to meet objectives. Directs budget preparation and justification of funds required to support band programs. Determines requirements and monitors programs to obtain band equipment, supplies, and facilities. Determines band personnel requirements, and develops plans and programs for the training, career development, and assignment of personnel.
2.2. Coordinates band activities. Coordinates with manpower, comptroller, and personnel in planning band activities. Coordinates with public affairs activities to ensure band performances conform to policy requirements. Provides technical information and advice to the commander and staff on capabilities, limitations, and employment of bands and band personnel. Maintains liaison with music associations, publishers, manufacturers, educators, and professional tradesmen and musicians to ensure bands have access to state-of-the-art materials. Coordinates band activities with inter-service and other governmental agencies.
2.3. Monitors and directs band activities. Monitors band programs to ensure compliance with directives and effectiveness of administration. Directs operation of bands in military and civilian performances, including parades, ceremonies, and concerts. Auditions and tests technical qualifications of newly assigned and potential band directors and band personnel. Directs organization and training of band units and sub-units. Monitors personnel management, operational procedures, and technical performance of bands. Establishes and directs equipment maintenance programs.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: musical conducting and rehearsal techniques; principles of music proficiency; testing and evaluating procedures; personnel and administration management; organization, mission, and function of Air Force bands; copyright laws pertaining to music performance; music theory (written and aural); ranges, transpositions, and capabilities of all instruments authorized for Air Force bands; band music repertoire; and publications and directives on training, administration, and operation of Air Force bands.
3.2. Education. For entry into this specialty, undergraduate academic specialization in music, music education, or related field is desirable.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 35B3, a minimum of 9 months' experience is mandatory in band assignments. It is mandatory that experience include performance with a marching and concert band.
3.5. Other. For entry into this specialty, certification by the Office of Public Affairs (SAF/PAC) is mandatory.

Staff AFSC 35P4
Qualified AFSC 35P3
Entry AFSC 35P1

PUBLIC AFFAIRS

1. Specialty Summary. Plans, budgets for, executes, and evaluates effectiveness of public affairs programs. Trains full-time public affairs specialists and additional duty unit public affairs representatives; and provides public affairs advice, counsel, and support for commanders and senior staff people. Related DoD Occupational Group: 7G.

2. Duties and Responsibilities:
2.1. Analyzes military mission, unit policies, and relationship with population of local communities to determine requirements for communication. Develops working relationship with media representatives. Develops and maintains liaison with representatives of civilian organizations, governmental agencies, Reserve and active duty units, and other publics. Develops plans and operational procedures for communication about aircraft and missile accidents, natural disasters, environmental incidents, and other spot news events concerning Air Force activities. Plans communication programs to ensure military and civilian members are informed about current issues and policies of the local installation, major command, and Headquarters United States Air Force.
2.2. Schedules and assigns personnel to arrange photographic coverage of events in which Air Force personnel participate. Directs program activity of Armed Force Radio and Television Service squadron, detachment, or network to ensure a balanced and suitable program. Directs operation of base newspapers, unit Commander's Calls, base cable TV access channels, speaker programs, base tours, public affairs airlift, and orientation flights. Directs the public affairs aspect of open houses, air shows and instructs personnel in techniques, philosophy, and importance of public affairs activities. Directs preparation of graphic and narrative presentations. Initiates programs to earn community respect and confidence. Supervises operation of Armed Forces Radio and Television networks and individual stations for internal information purposes.
2.3. Coordinates with appropriate agencies prior to contacting and releasing information to representatives of news media on conditions that might result in favorable or unfavorable public reaction, including releases and public statements involving news of national interest. Coordinates with other agencies to ensure Air Force military and civilian personnel are aware of their public affairs obligations to the American people.
2.4. Prepares public affairs annexes to operations plans. Conducts public affairs briefings for military personnel engaged in operations involving direct contact with public and representatives of communications media. Plans, coordinates, and operates activities involving bands, displays, and exhibits for civilian groups. Prepares or supervises preparation of information relative to unit participation in military operations, world events, environmental matters, and national and local affairs, through news releases, special activities, photographs, radio and television programs, and other informational material. Assists representatives of news media in obtaining material about Air Force. Schedules and conducts news interviews and news media conferences. Reviews materials such as speeches, news articles, and radio and television shows for security, invasion of privacy, propriety and suitability, and integration with overall programs and objectives of the Air Force. Determines appropriate topics and modes of presentation for radio and television programs, films and videotapes, and prepares script and scenario outlines.
2.5. Develops plans and formulates policies to ensure public interest, attitudes, and reactions are determined and considered by personnel managing Air Force activities. Plans communication strategies to correct misunderstandings, problems, or friction that may develop.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: organization, mission, and operations of the Air Force; the methods and techniques of disseminating information internally and publicly, including use of newspaper, magazine, radio, television, and photographic media; basic communication theory; communication law; print and broadcast journalism; and basic survey and public opinion research.
3.2. Education. For entry into this specialty, undergraduate academic specialization is desirable in mass or public communication, communicative arts, journalism, public relations, advertising, or one of the behavioral sciences (sociology or social psychology).
3.3. Training. For award of AFSC 35P3, completion of the Defense Information School Public Affairs Officer Course is mandatory.
3.4. Experience. For award of AFSC 35P3, a minimum of 12 months' experience in public affairs assignments is mandatory. Experience must include preparation or directing preparation of news releases; daily working relationships with civilian news media representatives; frequent contact with local government and community leaders; participation in staff planning, programs, or communication and dialogue with Air Force members and civilian employees; public speaking; or military briefings.
3.5. Other. For award and retention of AFSC 35P3, ability to present ideas and facts in written and oral form, clearly and convincingly, is mandatory.

INTRODUCTION

MISSION SUPPORT UTILIZATION FIELD (36XX)

The Mission Support Utilization Field encompasses the functions of policy planning; program formulating; and operating, maintaining, monitoring, coordinating, and directing personnel and information management activities. Included in the field are immediate supervisory and technical responsibilities for base, off-duty and dependents' education programs; adequacy of personnel and information management facilities; military and civilian personnel recruitment, career guidance, classification, assignment, testing, promotion, demotion, transfer, effectiveness rating, awards and decorations, pay, recreation, discharge, retirement, and personal affairs guidance; and administration of the social actions program, and base information management activities. This field includes command opportunities. The following is a complete listing of AFSCs for the Mission Support Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
MISSION SUPPORT	36M3 36M1	Mission Support
	36P4 36P3 36P1	Personnel

Qualified AFSC 36M3
Entry AFSC 36M1

MISSION SUPPORT
(Changed 31 Oct 96)

1. Specialty Summary. Commands mission support squadrons. Directs and monitors development and operation of programs such as military and civilian personnel, education, family support, and professional military education (PME). Integrates aspects of legal, chapel, social actions, and medical services. Related DoD Occupational Group: 7C.

2. Duties and Responsibilities:
2.1. Plans programs for military and civilian personnel, education, family support, and PME activities. Participates in determining quantitative and qualitative personnel requirements. Provides for personnel development programs, recommending plans and policies for education and training of personnel in technical, professional, and scientific areas. Provides leadership necessary to ensure aggressive and comprehensive family support programs. Oversees budget requirements of all areas of command.
2.2. Monitors and coordinates military and civilian personnel, education, family support, and PME activities. Approves fund expenditures for all functional area management activities. Monitors and approves operating plans and policies for activities such as civilian position classification and wage administration and personnel procurement, testing, assignment, individual training, transfer, promotion, separation, welfare, education, equal opportunity, applications management, and family support management. Monitors and prepares regulations, letters, directives, and publications concerning military and civilian personnel; education; family support; and PME management methods, procedures, and policies. Monitors and determines effectiveness of military and civilian personnel, education, family support, and PME management programs.
2.3. Advises Support Commander on status of all functional management activities. Coordinates military and civilian personnel, education, family support, and PME programs with staff directors and other squadron commanders. Coordinates on other program elements, including family housing and personnel facilities. Coordinates with comptroller activities in projecting budget requirements and allocating funds to military and civilian personnel, education, family support, and PME management programs. Represents command management and confers with local civilian agencies and community representatives such as newspapers, schools, and public services to explain mission and exchange ideas on projects.
2.4. Integrates functional branches of mission support squadron. Facilitates communication and coordination across functional boundaries of internal branches. Promotes efficient use of common functional resources (e.g., budget, computer support, readiness requirement, redundant (yet slightly different) programs and procedures, etc.). Stimulates aggregated forecasting and troubleshooting both externally for customer future needs and internally for the squadrons future needs.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: personnel utilization, education and training methods, equal opportunity, human relations, family support and counseling, and PME.
3.2. Education. For entry into this specialty, a Master's degree in personnel, industrial engineering, industrial management, education, psychology, business administration, or public administration is desirable.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 36M3, a minimum of 12 months' experience is mandatory.
3.5. Other. For entry into this specialty, qualification in and possession of AFSC 36P4 is mandatory.

NOTE: AFSC 36M3 is not authorized for use without Prefix C.

Staff AFSC 36P4
Qualified AFSC 36P3
Entry AFSC 36P1

PERSONNEL
(Changed 31 Oct 97)

1. Specialty Summary. Performs and administers personnel programs, including procurement, professional development, classification, assignments, promotions, separations, personnel support for contingency operations (PERSCO), and personal affairs. Advises and assists commanders and supervisors in administering social actions activities, including equal opportunity, drug and alcohol abuse control, and education in human relations programs. Develops, conducts, and evaluates education and training programs, including curriculum planning; evaluation and analysis of curriculum materials, training methodology, and instructional systems; and instructing students on technical or academic subjects. Conducts management training and education programs. Related DoD Occupational Group: 7C.

2. Duties and Responsibilities:
2.1. Formulates programs, plans, and policies. Develops plans and policies for operation of personnel, social actions, and education and training. Determines functional responsibilities, manning requirements, assignment of personnel, facilities, and services according to program management and resource capabilities. Implements Air Force policies on matters such as utilization, effectiveness ratings of personnel, personnel accountability and reporting during contingency, wartime, and emergency operations and mobilization. Organizes social actions programs to help commanders prevent substance abuse and ensure equal opportunity in support of mission readiness. Develops and improves work methods and procedures related to techniques of instruction, testing, and syllabus preparation. Plans and organizes on-the-job training programs.
2.2. Coordinates programs. Coordinates with operating and staff agencies to ensure integration, and timely and accurate execution of personnel, social actions, and education and training programs and plans. Correlates report data to foster and develop program management consistent with Air Force mission requirements. Consults with commanders and staff personnel on priority of training programs, and with combat and operational personnel to develop curricula in the fields of strategy and employment of air power.
2.3. Monitors and directs activities. Translates program policies into directives, publications, and training manuals. Classifies and assigns military personnel by analyzing qualifications of individuals in terms of job or position requirements. Analyzes resource data to ensure proper use and accountability of Air Force assets. Processes personnel records, forms, and actions such as appointments, specialty classification, promotions, assignments, and separations. Establishes programs to assist in prevention and resolution of equal opportunity and treatment, and other human relations issues. Develops and directs education in human relations to promote awareness and understanding, and to prevent and resolve social problems. Assists commanders, supervisors, and individuals with aspects of human relations and substance abuse. Determines need and makes referrals to proper agencies. Monitors effectiveness of unit human relations environment and substance abuse programs. Advises on education and training problems. Inspects and analyzes effectiveness of Air Force teaching methods, evaluates quality of teaching aids and materials, and appraises student attitudes. Conducts management training in technical or academic subjects for instructors and students. Evaluates problems identified in course, curriculum, or program reviews and instructional improvement techniques, teaching aids, and devices.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: Air Force classification structure and procedures; test administration and interpretation; personnel procurement, assignment, promotion, and separation policies and procedures, PERSCO policies and procedures, war planning, and mobilization procedures; personnel data system and combat personnel control system (CPCS) capabilities and application policies; principles, policies, and procedures of Air Force social actions programs; directives and procedures of other government and civilian agencies that administer and provide services to prevent and eliminate social problems; social actions education and instructional programs; interviewing and guidance techniques; and preparation and maintenance of personnel interview or referral case files; instructional systems development, audiovisual presentation, curriculum planning, Air Force education and training programs, and educational administration, including tests, and measurements; and the Uniform Code of Military Justice.
3.2. Education. For entry into this specialty, undergraduate academic specialization in business administration or management, sociology, psychology, public administration, human resource management, or education is desirable.
3.3. Training. For award of AFSC 36P3, completion of the basic personnel officer course is mandatory.
3.4. Experience. For award of AFSC 36P3, a minimum of 18 months' experience is mandatory.
3.5. Other. Not used.

INTRODUCTION

MANPOWER AND QUALITY UTILIZATION FIELD (38MX)
(Changed 30 Apr 97)

The Manpower and Quality Utilization Field encompasses the functions of policy planning; program formulating; and operating, monitoring, coordinating, and directing management engineering, quality and manpower activities. Included in this field are immediate supervisory and technical responsibilities for developing and maintaining manpower standards; programming resources to accommodate new and changing missions and workloads; activation and inactivation of units; developing, testing, and implementing organizational structures; participating in management of contractual services; applying computer technology; and providing management advisory services to effect the most efficient utilization of manpower resources. The following is a complete listing of AFSCs for the Manpower and Quality Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
MANPOWER AND QUALITY MANAGEMENT	38M4 38M3 38M1	Manpower and Quality Management

Staff AFSC 38M4
Qualified AFSC 38M3
Entry AFSC 38M1

MANPOWER AND QUALITY MANAGEMENT
(Changed 30 Apr 97)

1. Specialty Summary. Formulates and implements manpower and quality (MQ) management policies. Directs MQ management activities. Advises leadership on manpower management and continuous improvement initiatives and activities. Promotes and fosters a quality Air Force (QAF) environment and modern business management practices. Plans, directs, and facilitates formulation and implementation of Air Force organizational and process standards. Develops and leads A-76 commercial activities studies, and outsourcing and privatization initiatives. Develops and implements Air Force productivity enhancing programs, and provides metrics development consulting services. Participates in deliberate and operational planning, and contingency and exercise operations. Programs and validates manpower resources. Assists leaders in design and implementation of organizational structures. Related DoD Occupational Group: 7C.

2. Duties and Responsibilities:
2.1. Formulates MQ management policies. Plans, directs, organizes, and deploys MQ activities and polices on most effective and efficient use of military, civilian, and contract resources; A-76 commercial activities studies; outsourcing and privatization; integration of contract resources and in-service manpower; productivity programs; activity based cost analysis; resource allocation; and application of scientific and industrial management techniques to facilitate budgeting and reengineering activities. Directs and conducts organizational development and process reengineering studies. Provides consulting and benchmarking services and information on modern business management practices. Advises and assists commanders to improve organizational performance. Conducts A-76 commercial activities reviews and studies. Develops and evaluates opportunities for outsourcing and privatization. Establishes and maintains manpower readiness and force management policies and procedures. Directs and conducts the unit self assessment (USA) program, QAF awards program, just-in-time training, surveys, and process mapping. Administers Air Force productivity enhancing programs.
2.2. Develops and applies MQ management policies and procedures for peacetime and wartime organizational and process standards and work center determinates. Uses industrial engineering and quantitative analysis techniques to provide data to develop manpower requirements and budget estimates. Directs operation of manpower portion of Air Force command and control data systems. Participates in manpower personnel readiness team or center operational planning, and contingency and exercise activities.
2.3. Directs, revises, and evaluates effectiveness of MQ management programs. Advises commanders and staffs on equitable distribution of manpower resources. Designs and controls manpower data systems. Manages and controls manpower authorizations, and develops manpower documents and allocation reports. Helps develop manpower budget requirements and resource allocations to support mission requirements. Programs manpower requirements. Reviews and coordinates support agreements.
2.4. Develops, tests, evaluates, and staffs new or revised organizational structures. Evaluates effectiveness of existing organizational structures, and facilitates and recommends improvements. Programs and implements activation and inactivation of units. Assists commanders to develop unit mission and functional statements. Develops and maintains organizational structure codes.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: MQ management policies, principles, concepts, and tools; QAF system and Air Force criteria; organizational development including strategic planning, consultation and facilitation skills, benchmarking, process reengineering, performance measures and metrics development, activity cost based analysis, manpower requirement determination, manpower readiness and force management, and management and organization concepts and methodology; survey techniques; officer and airman classification procedures; and principles and practices of system performance and process analysis, industrial engineering, management engineering, or industrial management.
3.2. Education. For entry into this specialty, undergraduate academic specialization is desirable in industrial engineering, industrial engineering technology, human resource management, business administration, organizational development, management engineering, behavioral science, quality management, computer science, mathematics, or operations research.

3.3. Training. For award of AFSC 38M3, completion of the basic MQ management course is mandatory.

3.4. Experience. For award of AFSC 38M3, a minimum of 24 months' experience is mandatory in functions such as practical application of QAF system focus and principles; alignment of major command systems with Air Force strategic plan; facilitating or consulting on organizational system development; process reengineering; performance measures and metrics development; organizational and process standards development; methods study; work simplification; flow process and organizational structure analysis; facility layout analysis; productivity enhancement; productivity program management; manpower readiness; human relations; or MQ management policies and procedures involving planning, programming, and allocating manpower resources and monitoring commercial activities programs.

3.5. Other. Not used.

Attachment 8

MEDICAL CAREER AREA (4XXX)

Introduction

The Medical Career Area encompasses program formulation, policy planning, coordination, inspection, command and direction, and immediate supervisory and technical responsibilities pertinent to the Health Services Management, Biomedical Clinicians, Biomedical Specialists, Medicine, Surgery, Nurse, Dental, and Aerospace Medicine Utilization Fields.

MEDICAL

40C0*	Medical Commander
	A - Medical Services
	B - Biomedical Sciences
	C - Medical
	D - Dental
	E - Nurse

Health Services

41AX	Health Services Administrator

Biomedical Clinician

42BX	Physical Therapist
42EX	Optometrist
42FX	Podiatrist
42GX	Physician Assistant
42NX	Audiology/Speech Pathologist
42PX	Clinical Psychologist
42SX	Clinical Social Worker
42TX	Occupational Therapist

Biomedical Specialist

43AX	Aerospace Physiologist
43BX	Biomedical Scientist
43DX	Dietitian
43EX	Bioenvironmental Engineer
43HX	Public Health
43MX	Medical Entomologist
43PX	Pharmacist
43TX	Biomedical Laboratory
43VX	Veterinary Clinician
43YX	Health Physicist

Medicine

44AX	Chief, Hospital/Clinic Services
44DX	Pathologist
44EX	Emergency Services Physician
44FX	Family Physician
44GX	General Practice Physician
44JX	Clinical Geneticist
44HX	Nuclear Medicine Physician
44KX	Pediatrician
44MX	Internist
44NX	Neurologist

Medicine (Continued)

44PX	Psychiatrist
44RX	Diagnostic Radiologist
44SX	Dermatologist
44TX	Radiotherapist
44YX	Critical Care Medicine
44ZX	Allergist

Surgery

45AX	Anesthesiologist
45BX	Orthopedic Surgeon
45EX	Ophthalmologist
45GX	OB/GYN
45NX	Otorhinolaryngologist
45PX	Physical Medicine Physician
45SX	Surgeon
45UX	Urologist

Nurse

46AX	Nurse Administrator
46FX	Flight Nurse
46GX	Nurse-Midwife
46MX	Nurse Anesthetist
46NX	Clinical Name
46PX	Mental Health Nurse
46SX	Operating Room Nurse

Dental

47BX	Orthodontist
47DX	Oral and Maxillofacial Pathologist
47EX	Endodontist
47GX	Dentist
47HX	Periodontist
47KX	Pediatric Dentist
47PX	Prosthodontist
47SX	Oral Surgeon

Aerospace Medicine

48AX	Aerospace Medicine Specialist
48EX	Occupational Medicine Specialist
48FX	Family Practice Specialist
48GX	Aerospace Medicine Physician
48PX	Preventive Medicine Specialist

AFSC 40C0*

MEDICAL COMMANDER

1. Specialty Summary. Commands Air Force medical centers, units, or activities whose primary mission is to provide medical care and other health services. Serves as chief staff advisor to line commanders. Related DoD Occupational Group: (See suffix explanation).

2. Duties and Responsibilities:
2.1. Commands medical units. Commands resources engaged in health care. Responsible for personnel required to carry out base health care services. Determines health care requirements by analyzing mission and interpreting directives, orders, and instructions. Formulates plans, and establishes policies and procedures for delivering health care services and assure health care support for mission accomplishment. Implements programs such as total force training and disaster preparedness. Directs studies and surveys to determine perceptions of personnel. Implements measures to resolve problems and eliminate conditions contributing to low morale.
2.2. Directs health care activities. Supervises and directs assigned resources to provide quality health care services. Arranges quality civilian health care services when more cost effective than those available through the military facility or other federal resources. Ensures medical support to meet requirements placed on medical units when personnel are under operational control of the medical commander. Develops medical portion of base plans to provide medical support to wing and installation. Trains health care personnel. Advises installation commander on scope of available health care services, health care and services required by host-tenant agreements, health of personnel, and health protection requirements and measures.
2.3. Coordinates health care service activities. Conducts staff meetings, convenes, and appoints boards, councils, and committees to assist in managing assigned activities. Coordinates training, support, and use of medical units and activities. Coordinates with local health care agencies. Participates in civilian community health planning process. Determines medical treatment facility role within health service area.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: management concepts and objectives and their relationship to mission accomplishment; relationship of military and health care doctrine, contingency, and medical readiness planning; strategic planning; Air Force flying mission and associated health care requirements; information management; Air Force policy directives and instructions; military justice; conflict resolution; managing quality; communication and interpersonal skills; principles of medical administration; financial management; personnel; and materiel and facilities management.
3.2. Education. For entry into this specialty, it is mandatory to possess a degree leading to award of a medical AFSC (4XXX).
3.3. Training. Not used.
3.4. Experience. For award of AFSC 40C0X, prior experience is mandatory in a medical command position, or experience in one or more senior health care management positions within preceding 5 years. Senior health care management positions include Chief, Hospital or Clinic Services; Chief Nurse; Base Dental Surgeon; Chief, Aerospace Medicine; Administrator; Chief of Pharmacy, Laboratory, or other biomedical sciences function; or other clinical or health care service or department-level management positions.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Medical Services (DoD Occ Code: 6I)
B	Biomedical Sciences (DoD Occ Code: 6H)
C	Medical (DoD Occ Code: 6A)
D	Dental (DoD Occ Code: 6C)
E	Nurse (DoD Occ Code: 6E)

INTRODUCTION

HEALTH SERVICES UTILIZATION FIELD (41AX)

The Health Services Utilization Field encompasses command, administrative, logistics, and education functions supporting the provision of health care to authorized beneficiaries. This includes planning, programming, and operations related to the following activities: Medical facility command; medical facility administration; medical materiel and services management; medical resource management; patient affairs management; war and emergency planning; aeromedical evacuation; medical recruiting; medical facility repair, modification, and construction; biometrics; health systems design; data systems design; medical research administration; and health services training and education. The following is a complete listing of AFSCs for the Health Services Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
HEALTH SERVICES ADMINISTRATOR	41A4 41A3 41A1	Health Services Administrator

Staff AFSC 41A4
Qualified AFSC 41A3
Entry AFSC 41A1

HEALTH SERVICES ADMINISTRATOR
(Changed 30 Apr 97)

1. Specialty Summary. Manages health services activities, including plans and operations, managed care, human resource management, logistics management, patient administration, budgetary and fiscal management, medical manpower, medical facility management, biometrics, medical recruiting, and aeromedical evacuation. Directs the hospital accreditation program and management improvement studies. Related DoD Occupational Group: 6I.

2. Duties and Responsibilities:
2.1. Formulates, interprets, and implements policy. Plans and organizes activities associated with peacetime and wartime health services administration, such as manpower, medical logistics, medical food service, hospitalization and aeromedical evacuation of patients, medical facilities repair, maintenance, construction, modification, and housekeeping, equipment maintenance and repair, information systems, clinical engineering, inpatient and outpatient records, and morale and welfare services for patients and medical personnel.
2.2. Coordinates health services programs. Coordinates with comptroller, civil engineering, civilian and federal agencies, and other Air Force functions and activities to execute health services programs. Advises the medical professional staff and other staff health services officers on administrative matters pertaining to health services programs. Maintains liaison with civilian, military, and other federal activities to keep current in areas of interest to health services administration.
2.3. Monitors and directs health services programs. Interprets and directs the implementation of policies governing health services programs. Directs the management of health services functions such as medical logistics, fiscal management, managed care, human resource management, patient administration, aeromedical evacuation, medical facility construction, modification, and design, and medical research administration. Develops financial plans and budget estimates for Air Force health services programs. Directs the preparation of biometric reports, directives, correspondence, and memoranda pertaining to health services administration. Controls utilization of health services program funds in collaboration with the medical commander and comptroller. Prepares and exercises emergency, disaster, and defense plans, and monitors readiness training. Integrates cost management, quality and access to care issues into health services programs.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: Air Force health services management; hospital administration and practice; contractual and accounting fundamentals; quality management; human resource management; and biometrics.
3.2. Education. For entry into this specialty, one of the following is mandatory:
3.2.1. A graduate degree in health care administration, hospital administration, public administration, business administration or management, information systems management, or equivalent.
3.2.2. An undergraduate academic major in accounting, business administration or management, computer science, information systems, economics, finance, health care administration, marketing, public administration, clinical or health systems engineering, or other related business field.
3.3. Training. For award of AFSC 41A3, completion of the basic health services administration course is mandatory.
3.4. Experience. For award of AFSC 41A3, a minimum of 4 years' experience is mandatory in health services management assignments. Experience must include planning, organizing, and directing such health services management activities as medical logistics, medical facilities management, food service, medical records management, medical reporting and biometrics, and budget. Equal time spent in Air Force Institute of Technology sponsored graduate education in Health Care Administration may be substituted for the minimum experience requirement.
3.5. Other. Not Used.

BIOMEDICAL CLINICIANS UTILIZATION FIELD (42XX)

Introduction

The Biomedical Clinician Utilization Field encompasses the functions of physical and occupational therapy, clinical psychology and social work, optometry, podiatry, physician assistance, audiology, and speech pathology in support of and as an integral part of the medical career area and medical services.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
BIOMEDICAL CLINICIAN	42B4 42B3 42B1	Physical Therapist
	42E4 42E3 42E1	Optometrist
	42F4 42F3 42F1	Podiatrist
	+42G4* +42G3* +42G1*	Physician Assistant A - Orthopedics B - Otolaryngology C - General Surgery D - Perfusionist E - Emergency Medicine F - Oncology/Bone Marrow Transport
	42N4* 42N3* 42N1*	Audiology/Speech Pathologist A – Audiologist B – Speech
	+42P4* +42P3* +42P1*	Clinical Psychologist A - Clinical Neuropsychologist B - Health Psychologist C - Child and Adolescent Psychologist D - Aviation Psychologist
	42S4 42S3 42S1	Clinical Social Worker
	42T4 42T3 42T1	Occupational Therapist

Staff AFSC 42B4
Qualified AFSC 42B3
Entry AFSC 42B1

PHYSICAL THERAPIST

1. Specialty Summary. Plans, develops, and manages physical therapy programs and activities. Implements research activities. Provides and conducts training in physical therapy. Evaluates patients and treats disabilities requiring physical therapy. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Plans, coordinates, controls, directs, and evaluates physical therapy activities. Determines and implements policies and procedures pertaining to physical therapy program and activities. Determines requirements for physical therapy services including personnel, equipment, supplies, and continuing education. Establishes professional care standards and establishes and appraises performance levels of subordinates. Coordinates the physical therapy program within the medical facility. Establishes and maintains liaison with civilian and governmental agencies regarding physical therapy. Develops and implements teaching programs and research activities related to physical therapy.
2.2. Plans and develops physical therapy treatments, procedures, and programs. Reviews clinical records and case histories. Interprets requests for physical therapy services. Evaluates patients and determines the type and frequency of physical therapy treatment necessary to assist in the habitation or rehabilitation of patients. Confers with referring medical officer. Makes recommendations regarding the use or adjustment of braces, prostheses, and other related appliances used to support and assist the mobility of the patient.
2.3. Administers physical therapy treatment programs. Supervises the professional phases of physical therapy. Administers physical therapy diagnostic tests and treatment programs. Observes patient's response to treatment and modifies the program to accelerate recovery. Records all pertinent data in the patient's medical records. Participates in quality assessment program.
2.4. Serves in an advisory and teaching capacity. Acts as a consultant to the medical staff on physical therapy matters. Makes recommendations on staffing, physical plant design, and distribution of physical therapy equipment. Establishes requirements and coordinates and conducts educational programs to meet department and facility needs. Evaluates effectiveness and efficiency of physical therapy programs and continuing educational activities.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: physical therapy programs and activities, and physical therapy treatments and diagnostic tests.
3.2. Education. For entry into this specialty, completion of a course in physical therapy acceptable to the Surgeon General, HQ USAF, is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 42B3, a minimum of 24 months' experience is mandatory in physical therapy assignments, including planning, managing, and administering physical therapy treatments and activities.
3.5. Other. For award and retention of AFSC 42B3, a state license or registration to practice physical therapy is mandatory.

Staff AFSC 42E4
Qualified AFSC 42E3
Entry AFSC 42E1

OPTOMETRIST

1. Specialty Summary. Examines eyes with instrumentation and observation to determine visual efficiency and performance. Prescribes corrective procedures. Applies knowledge of optics and physiology to research and teaching activities. Related DoD Occupation Group: 6H.

2. Duties and Responsibilities:
2.1. Examines eyes and vision. With or without the use of diagnostic drugs, examines eye for presence or absence of defects or visual anomalies that can be corrected, remedied, or relieved by using lenses, prisms, orthopedics, contact lenses, or other ophthalmic devices. Performs external and internal examination of eyes and refers pathology to medical specialties. Determines refractive errors such as myopia, hyperopia, or astigmatism, and prescribes treatment for these and other visual problems. Ascertains, range of vision and ability and ease with which eyes maintain clear, comfortable, binocular vision at any distance of fixation.
2.2. Prescribes treatment. Prescribes lenses to correct errors of refraction. Prescribes and administers orthoptic or visual training when indicated, as in ocular muscle imbalances, fusional problems, and as an adjunct in treatment of strabismus. Prescribes selected medications when specifically credentialed. Examines and tests lenses for proper workmanship and conformance to prescription.
2.3. Conducts research. Plans and conducts research in areas of clinical optometry and physiological optics, such as physical standards, protective and corrective eye wear, examining methods and techniques, and perceptual problems associated with aeronautics and space flight.
2.4. Directs optometry activities. Observes and reviews performance of technicians to determine compliance with procedures governing optometric activities. Instructs optometry technicians in local operational procedures, and in use and maintenance of ophthalmic instruments.
2.5. Plans and directs occupational vision programs. Plans, supervises, and participates in eye protection programs according to AFIs 41-115, *Medical Programs and Benefits* and 44-117, *Ophthalmic Services*. Participates in identifying eye hazardous areas and occupations, and supervises visual screening of personnel in such areas. Arranges for professional services, procurement, and dispensing of safety eye wear for military personnel and civilian employees of the Department of the Air Force.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: visual science and ability to apply education and professional insights to the care of patients in their visual adaptation to their environments.
3.2. Education. For entry into this specialty, graduation from a college of optometry approved by the Surgeon General, HQ USAF, is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 42E3, a minimum of 24 months' experience in optometry assignments is mandatory. Experience must include conducting eye examinations to determine presence of visual defects; prescribing lenses and orthoptic therapy to correct, conserve, or improve vision; and examining and testing compliance to acceptable standards and conformance to prescription.
3.5. Other. For award and retention of AFSCs 42E3, a State license to practice optometry is mandatory.

Staff AFSC 42F4
Qualified AFSC 42F3
Entry AFSC 42F1

PODIATRIST

1. Specialty Summary. Provides examination, diagnosis treatment, prevention, and care of conditions and functions of the human foot and related structures. Plans, conducts, and directs research in the area of podiatric medicine. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Conducts examinations of the foot to provide basis for diagnosis; administers treatment. Interview patient and records patient's case history to determine previous ailments and complaints. Performs examinations to determine physiological and physical abnormality of the foot. Conducts test and supplements examination by arranging various laboratory test analyses and diagnostic x-rays. Interprets laboratory and x-ray results in evaluating examination findings. Assist with or performs outpatient and inpatient surgical procedures of the foot and related structures and follow up care according to standards outlined in the Joint Commission on Accreditation of Hospitals Accreditation Manual for Hospitals.
2.2. Plans, administers, and records progress of prescribed courses of treatment of the foot and related structures. Accomplishes therapeutic procedures. Refers patient to and consults with other practitioners, as appropriate, for further care, diagnosis, and treatment planning. Instructs patients in prescribed therapeutic procedures. Prescribes medication with limitations of podiatric practice.
2.3. Instructs and supervises assistants. Prescribes and supervises instruction in use and maintenance of therapeutic devices. Fits and adjusts appliances and advises patient on care of therapeutic or corrective equipment.
2.4. Conducts research in podiatry. Plans and conducts clinical research. Reviews and studies case histories, analyzes data, and participates with other scientists and physicians in programs to investigate new techniques and methods to improve foot health and human effectiveness of Air Force personnel.
2.5. Participates in special programs. Plans, supervises, and participates in specialized Air Force health programs such as the Exceptional Family Member Program, Aerospace Medical Program, and Occupational Health Program.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: procedures and methods used in examination and treatment of the human foot.
3.2. Education. For entry into this specialty, graduation from a school or college of podiatry acceptable to the Surgeon General, HQ USAF is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 42F3, a minimum of 24 months' experience in podiatry assignments is mandatory.
3.5. Other. For award and retention of AFSC 42F3, a valid and current license to practice podiatry is mandatory.

Staff AFSC 42G4*
Qualified AFSC 42G3*
Entry AFSC 42G1*

PHYSICIAN ASSISTANT
(Changed 31 Oct 98)

1. Specialty Summary. Performs primary medical care and clinical duties with the direction of a physician. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Provides primary or specialty medical care with the cognizance or supervision of a physician. Provides services by collecting data required for diagnosis and performing procedures and services as authorized by AFI 44-102, *Patient Care and Management of Clinical Services* and as approved by the Credentials Review Committee. Obtains and evaluates medical histories, performs physical examinations, performs therapeutic and diagnostic procedures, and orders laboratory studies, radiographs, electrocardiograms, and other special examinations. Collects specimens for pathologic examination. Analyzes and interprets data, formulates problem lists, and establishes plans for solution of clinical problems. Counsels patients on medical problems, use of drugs, expected effects of treatment, family planning, child care, diet, and other therapeutic health maintenance matters. Makes entries in patient's permanent medical records. In emergency situations, administers lifesaving procedures and medications pending availability of physician. Procedures include cardiopulmonary resuscitation, treatment of life endangering traumatic injuries, defibrillation, insertion of endotracheal tubes, and administration of whole blood, oxygen, and other emergency medications.
2.2. Coordinates patient care. Coordinates patient care with other members of health care team. Initiates consultation requests to other health professionals to provide more comprehensive patient management. Accomplishes narrative summaries and other documentation.
2.3. Instructs other members of the health care team. Instructs other personnel assigned to health care team on preventive medicine programs and other appropriate medical activities and functions, or as directed by a physician.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: anatomy; physiology; emergency medical treatment; surgical techniques; sterilization and aseptic techniques; medical ethics; administration of drugs; operation of therapeutic and diagnostic equipment; medical terminology; and specialized medical treatments and procedures.
3.2. Education. For entry into this specialty, graduation from a Physician's Assistant Training Program accredited by the Commission on Accreditation of Allied Health Education programs (CAAHEP) and acceptable to the Surgeon General, USAF, is mandatory. Certification by the national Committee on Certification of Physician Assistants is required.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 42G3, a minimum of 24 months of experience in Physician Assistant assignments is mandatory. Also, experience is mandatory in providing primary medical care under the cognizance or supervision of a physician.
3.5. Other. A qualified AFSC with a suffix is authorized upon completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Orthopedics
B	Otolaryngology
C	General Surgery
D	Perfusionist
E	Emergency Medicine
F	Oncology/Bone Marrow Transplant

Staff AFSC 42N4*
Qualified AFSC 42N3*
Entry AFSC 42N1*

AUDIOLOGY/SPEECH PATHOLOGIST

1. Specialty Summary. Provides care and treatment for human ailments under general supervision and direction of a medical officer. Plans, conducts, and directs research in area of professional practice. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Conducts examinations to diagnose ailments and administer treatment. Interviews patient and records patient's case history to determine previous ailments and complaints. Performs examinations to determine evidences of physiological or anatomical abnormality. Conducts tests. Supplements examination by arranging laboratory test analyses and diagnostic x-rays. Interprets laboratory results in evaluating examination findings.
2.2. Plans, administers, and records progress of prescribed courses of treatment with limits of area of practice. Accomplishes therapeutic procedures after consulting medical officers. Refers patient to and consults with physician for further case diagnosis and treatment planning. Provides instructions to patients regarding prescribed therapeutic exercises. Administers medication upon prescription by physician, with limitations established by the Director of Base Medical Services.
2.3. Instructs and supervises assistants. Prescribes and supervises instruction in use and maintenance of therapeutic devices, exercises, or procedures. Fits and adjusts appliances, and advises patient on care of therapeutic or corrective equipment.
2.4. Conducts research. Plans and conducts clinical research. Reviews and studies case histories, analyzes data, and participates in investigative programs on new techniques and methodology to improve health and effectiveness of Air Force personnel.
2.5. Participates in special programs. Plans, supervises, and participates in specialized Air Force health programs such as hearing conservation program, exceptional family members program, aerospace medical program, and occupational health program.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: one or more areas of specialization within the field of audiology and speech pathology.
3.2. Education. For entry into this specialty, a Master's degree is mandatory in the suffix identified subspecialty from an accredited institution acceptable to the Surgeon General, HQ USAF.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 42N3X, a minimum of 24 months' experience in suffix identified subspecialty assignments is mandatory. Also, experience must include providing care and treatment for human ailments; or planning, directing, and conducting research in area of professional practice.
3.5. Other. For award of AFSC 42N3X, a license to practice in pertinent specialty, where applicable, or registration or certification by appropriate national accreditation body is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Audiologist
B	Speech

Staff AFSC 42P4*
Qualified AFSC 42P3*
Entry AFSC 42P1*

CLINICAL PSYCHOLOGIST
(Changed 30 Apr 98)

1. Specialty Summary. Applies psychological principles and techniques to problems of human effectiveness, maladjustment, and psychological disturbances. Evaluates, diagnoses, and treats psychological and neuropsychological disorders. Teaches, supervises, and directs clinical psychology and related mental health programs. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Administers clinical psychology programs. Plans, organizes, and directs clinical psychology service or department. Supervises mental health personnel, and recommends policies pertaining to their training and management. Implements mental health programs through consulting with other agencies on such problems as individual and group effectiveness, interpersonal relations, psycho pathology, and maladaptive behavior.
2.2. Performs mental health evaluations and therapy. Applies and supervises application of psychological procedures and techniques in evaluating, diagnosing, and treating psychological and neuropsychological disorders. Provides individual and group therapy, behavior modification paradigms, and biofeedback procedures in treating psychological disorders, and in assisting individuals to achieve more effective personal and interpersonal adjustment.
2.3. Performs research and training. Plans and conducts clinical psychological research. Determines methods to be used in investigation, assessment, diagnosis, and treatment of mental health problems. Provides education and training in psychological theory, diagnostic techniques, treatment modalities, and related mental health programs to psychologists, allied disciplines, and personnel in medical, educational, managerial, social, and community programs.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of psychological theories, principles, and techniques.
3.2. Education. The following experience is mandatory as indicated:
3.2.1. For entry into this specialty, completion of all requirements (except dissertation or clinical internship or both) for award of a doctorate in clinical psychology or equivalent doctorate in psychology for entry into this AFSC.
3.2.2. For award of AFSC 42P3, a doctorate in clinical psychology, or equivalent, plus a clinical internship acceptable to the Surgeon General, HQ USAF.
3.2.3. For award of AFSC 42P3A, a doctorate plus 2 year post-doctoral training in a neuropsychology fellowship training program acceptable to the Air Force Surgeon General, or 3 years' experience in a setting where primary duty was in neuropsychology.
3.2.4. For award of AFSC 42P3B, a doctorate plus 1 year post-doctoral training in a health psychology fellowship training program acceptable to the Air Force Surgeon General, or 3 years' experience acceptable to the Air Force Surgeon General in a setting where the primary duty was in health psychology.
3.2.5. For award of AFSC 42P3C, a doctorate plus 1 year post-doctoral training in a child and adolescent psychology or a pediatric psychology fellowship training program acceptable to the Air Force Surgeon General, or 3 years' experience acceptable to the Air Force Surgeon General in a setting where the primary duty was in child and adolescent and/or pediatric psychology.
3.2.6. For award of AFSC 42P3D, a doctorate plus 1 year post-doctoral training in an aviation psychology fellowship training program acceptable to the Air Force Surgeon General, or 3 years' experience acceptable to the Air Force Surgeon General in a setting where the primary duty was in aviation psychology.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 42P3, a minimum of 24 months' experience is mandatory in clinical psychology assignments. Completion of the Air Force Internship Program in clinical psychology may be substituted for 12 months of the experience requirement.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of AFSC 42P3/P3X, a valid and current license to practice clinical or counseling psychology.
3.5.2. For award of AFSC 42P3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Clinical Neuropsychologist. Performs and supervises neuropsychological evaluations, conducts research, and provides education and training in the field of neuropsychology.
B	Health Psychologist. Performs and supervises health psychology evaluations, conducts research, and provides education and training in the field of health psychology.
C	Child and Adolescent Psychologist. Performs and supervises child, adolescent, and pediatric psychology evaluations, conducts research, and provides education and training in the field of child, adolescent, and pediatric psychology.
D	Aviation Psychologist. Performs and supervises aviation psychology evaluations, conducts research, and provides education and training in the field of aviation psychology.

Staff AFSC 42S4
Qualified AFSC 42S3
Entry AFSC 42S1

CLINICAL SOCIAL WORKER

1. Specialty Summary. Explores basic personality structure in relationship to developing behavioral patterns, mechanisms, and symptoms. Applies principles, knowledge, and practice of professional social work to provide social diagnosis, treatment, research, consultation, and preventive social service programs for individuals, families, groups, and organizations in military community. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Plans, manages, and provides social service in mental health, medical, correctional, Children Have a Potential, and Child Advocacy, and any other professional military setting. Uses social case work, therapy techniques, administration, community organization, consultation, teaching, research, planning, and coordinated military and civilian health, education, and welfare services to assist eligible personnel. Supervises and directs social work staff to prepare social histories and provide social services within their level of competence. Develops social work staff training programs to ensure uniformly high standards for the social service activities of craftsmen personnel. Assesses and plans for the social needs of individuals, families, groups, and organizations in military community.
2.2. Coordinates social service activities and maintains liaison with military and civilian resources. Provides consultation on social aspects of policies, procedures, and services to medical staff, commanders, base agencies, volunteers, major commands, and other installations of assignment. Administers and oversees social service programs. Assists in, or develops resources and social service programs.
2.3. Conducts research and training. Conducts and participates in research appropriate to professional training and expertise. Develops and maintains an active information program designed to apprise community of their social needs and resources available to assist with these problems. Trains social work students in affiliation with a university graduate social work program, and engages in education and training of other professional medical personnel.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: social services policies, procedures, and resources.
3.2. Education. For entry into this specialty, a Master's degree in social work from an accredited graduate school of social work is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 42S3, a minimum of 24 months' experience in clinical social work assignments is mandatory.
3.5. Other. Not used.

Staff AFSC 42T4
Qualified AFSC 42T3
Entry AFSC 42T1

OCCUPATIONAL THERAPIST

1. Specialty Summary. Analyzes, plans, determines, and provides for individual client referred, therapeutic activities directed toward prevention of disability, promotion and maintenance of health, or for habitation and rehabilitation of physical or psychosocial dysfunction. Manages administrative, educational, and research functions in support of this program. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Manages occupational therapy. Formulates and implements policies and procedures for occupational therapy programs. Implements and provides the most effective occupational therapy programs for the type of referrals received and patient population needs. Performs evaluation procedures, gives therapeutic guidance and instruction, and reports patient responses and progress. Implements clinical research activities. Determines requirements for occupational therapy personnel, equipment, and supplies. Prepares records and reports, and performs record audits. Confers with medical staff and hospital administrative personnel on occupational therapy matters. Maintains liaison with allied civilian professional agencies.
2.2. Determines type and extent, and provides occupational therapy. Using information from referrals of medical officers and medical records, conducts patient interviews. Evaluates the specific activity needs of the patient through clinical observation and performance tests to determine current physical and behavioral status. Establishes realistic goals of time, method of performance, skill level, and duration of treatment. Directs patient into a specific creative opportunity, challenging task, work related activity, or competitive outlet. Establishes the appropriate relationship to provide best therapeutic environment to motivate the patient into more normal thought patterns, behavior, and performance. Gives therapeutic guidance and instruction. Adapts instructional methods appropriate to the maturation, physical condition, behavioral responses, and intellectual capabilities of the individual patient. Designs, constructs, and provides temporary or permanent adapted equipment or orthotic device needed to elicit best functional patterns of motion or to substitute for patient's incapacity. Instructs the patient in functional techniques and use of this equipment. Monitors, controls, and guides the patient into graded activities according to patient's changing abilities and disabilities. Extends these programs into the patient's home when appropriate and instructs the spouse and other appropriate individuals in the patient's assets for social and economic independence and supporting community resources. Observes the patient's physical performance, behavioral responses, and emotional attitude. Reports to referring physician during specialty clinics, rounds, and team meetings any significant information that would aid in diagnostic, therapeutic, or prognostic determination.
2.3. Reports and documents findings. Observes the patient's physical performance, behavioral responses, and emotional attitude relative to the goals of treatment. Reports to the referring agent and documents in the medical record all significant information that would contribute to diagnostic, prognostic or therapeutic determinations. Assures documentation is consistent with accepted standards of occupational therapy practice.
2.4. Serves in a teaching and advisory capacity. Provides continuing education and technical training for occupational therapy personnel. Orients physician staff members and other associated health care professionals to the patient services provided through the specialty of occupational therapy. Promotes the profession of occupational therapy in cooperation with other allied health specialties, the local community, and educational and professional institutions. Evaluates effectiveness of the occupational therapy program and the technical proficiency of assigned personnel; implements changes to improve services. Advises the local commander and the associate chief of the Biomedical Science Corps on long range planning and needs for program development in support of occupational therapy services.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: occupational therapy standards of practice, applied therapeutic modalities, and program management.
3.2. Education. For entry into this specialty, completion of an accredited course in occupational therapy acceptable to the Surgeon General, HQ USAF, is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 42T3, a minimum of 24 months' supervised clinical experience in an occupational therapy assignment is mandatory.
3.5. Other. Not used.

INTRODUCTION

BIOMEDICAL SPECIALISTS UTILIZATION FIELD (43XX)

The Biomedical Specialists Utilization Field includes the functions of scientists, engineers, veterinarians, dietary, public health, entomology, pharmacists, laboratories, and health physicists professions to support, and as an integral part of the Medical Service.

Duty titles used with biomedical shredouts may include the shredout title, where appropriate; for example, Audiologist.
The following is a complete listing of AFSCs for the Biomedical Specialists Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
BIOMEDICAL SPECIALISTS	43A4 43A3 43A1	Aerospace Physiologists
	+43B4* +43B3* +43B1*	Biomedical Scientist A - Chiropractor
	43D4 43D3 43D1	Dietitian
	+43E4* +43E3* +43E1*	Bioenvironmental Engineer A - General B - Industrial Hygiene C - Medical Construction D - Environmental E - Architecture F - Biomedical G - Bioenvironmental/ Health Physics
	43H4 43H3 43H1	Public Health
	43M4 43M3 43M1	Medical Entomologist
	43P4 43P3 43P1	Pharmacist
	43T4* 43T3* 43T1*	Biomedical Laboratory A - Biomedical Laboratory Science B - Microbiology C - Clinical Chemistry D - Environmental & Industrial Hygiene Chemistry E - Blood Bank F - Toxicologist G - Other H - Hematology
	43V4* 43V3* 43V1*	Veterinary Clinician E - Laboratory Animal
	+43Y4* +43Y3* +43Y1*	Health Physicist A - Medical

Staff AFSC 43A4
Qualified AFSC 43A3
Entry AFSC 43A1

AEROSPACE PHYSIOLOGIST

1. Specialty Summary. Manages aerospace physiological training and hyperbaric therapy units. Instructs personnel in aerospace physiology and aviation human factors. Plans, conducts, and directs aerospace physiology research. Manages specialized physiology support divisions for high altitude projects. Manages life support equipment functions when required; and supervises aerospace physiology programs at Air Staff or major command staff level. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:

2.1. Manages all functions of USAF aerospace physiological training units or flights. Plans and directs all activities of personnel and programs required to train aircrews and others in the physiological hazards and human factor problems of flying operations.

2.2. Organizes and prepares instructional materials. Studies objectives and requirements for physiological training. Prepares assignments, demonstrations, group activities, training aids, references, and related material required to supplement course outline.

2.3. Instructs personnel such as trainee flight surgeons, flight nurses, observers, and aircrew in aerospace physiology, human factors and related subjects. Instructs trainees in such subjects as physics of atmosphere, physiology of respiration, accelerative forces, physiology of blood and circulation, effects of temperature, physiological effects of altitude, self imposed stresses, aviation human factors, circadian rhythm, night vision, noise and vibration, bailout from high altitudes, and jungle, water, and arctic survival. Demonstrates physiological aids used in flying such as oxygen equipment, antigravity suits, ejection seats, survival equipment, pressure suits, and protective helmets. Briefs students on safety precautions associated with flying and life support equipment. Indoctrinates aircrews on chemical defense equipment and procedures.

2.4. Coordinates aerospace physiological training programs. Confers with operations officers, flying safety officers, and staff officers on changes in texts, training project outlines, general class progress, disciplinary problems, examination procedures and tests, school records, and related subjects. Develops new training aids. Advises education and training staff officers on such matters as course curricula revision and preparing training manuals. Advises local commanders, operations officers, flying safety officers, and flight surgeons on aerospace physiology and human factor problems. Helps organize and present flying safety programs and meetings. Arranges special evaluation and diagnostic chamber hyperbaric "flights."

2.5. Supervises operation of aerospace physiology training devices. Ensures safe operation of such devices as hyperbaric chambers, pressure suit group chambers, disorientation trainers, and ejection seat trainers. Supervises minor repairs of chambers, ejection seat trainers, disorientation trainers, and night vision trainers. Interviews trainees before chamber flights to prevent unwarranted chamber reactions because of trainee's physical condition. Supervises and performs necessary measures in managing chamber reaction cases.

2.6. Manages operation of hyperbaric chambers. Responsible for operation and maintenance of hyperbaric chambers and associated equipment. Ensures proficiency of hyperbaric chamber teams. Participates in training and treatment "dives." Assists in the transport and treatment of patients requiring hyperbaric treatment.

2.7. Plans, coordinates, directs, and performs aerospace biotechnology research and development. Develops requirements for specific research and development projects. Forms policies and procedures governing establishment and performance of research and development projects, including requirements for funds, facilities, materiel, equipment, and personnel. Resolves technical problems involved in conducting research, reviewing and interpreting scientific data, formulating new concepts, and recommending new approaches. Directs preparation of technical reports on research projects.

2.8. Manages specialized units supporting high altitude and performance flying activities. Plans and develops physiological, survival and life support equipment (including pressure suits) and training programs required to provide for the safety of aircrews assigned to these projects. Supervises aircrew pre-flight and post flight preparation and conditioning of aircrews, including donning and removing specialized equipment, and removing aircrews from the aircraft. Plans, directs, and conducts physiological research and equipment development in support of these activities. Monitors industrial contracts for development of life support systems.

2.9. Coordinates and manages physiological activities at air staff and command level. May function on staff of the Surgeon General, HQ USAF, or major command surgeon as manager for aerospace physiological activities.

3. Specialty Qualifications:

3.1. Knowledge. Knowledge is mandatory of: aerospace physiology and closely related subjects.

3.2. Education. For entry into this specialty, undergraduate academic specialization in physiology, zoology, or other related science acceptable to the Surgeon General, HQ USAF, is mandatory.

3.3. Training. For award of AFSC 43A3, completion of an Air Force aerospace physiology course is mandatory.

3.4. Experience. For award of AFSC 43A3, a minimum of 24 months' experience is mandatory in aerospace physiology assignments.

3.5. Other. The following are mandatory as indicated:

3.5.1. For entry into this specialty, ability to speak distinctly.

3.5.2. For entry, award, and retention of AFSCs 43A1/A3, physical qualification for flying class III according to AFMAN 48-123, *Medical Examination and Standards.*

Staff AFSC 43B4*
Qualified AFSC 43B3*
Entry AFSC 43B1*

BIOMEDICAL SCIENTIST

1. Specialty Summary. Plans, administers, and manages multi-disciplinary professional programs and activities in the broad area of biomedical sciences. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Formulates biomedical sciences programs. Develops, evaluates, and interprets policies in the biomedical sciences, to include such activities as managing and directing professional programs for technical training, research, clinical practice, therapeutics, and operational support.
2.2. Coordinates biomedical sciences activities. Advises on career development and utilization of Biomedical Sciences Corps officers; coordinates policies for procurement, assignment, classification, selection, and training. Maintains liaison with Biomedical Sciences Corps officers through staff visits, telephone, and written communication, and provides current information on policies and programs that affect their career development. Confers with medical facility commanders and staff members on biomedical information systems requirements and procedures. Advises medical facility commanders on establishing manning, equipping, and operating biomedical units and activities. Participates in meetings of professional societies and symposia and disseminates information obtained to biomedical scientists. Provides technical consultant services in areas of professional competence.
2.3. Monitors and directs biomedical sciences programs. Inspects biomedical sciences activities. Interprets, evaluates, and translates biomedical scientific data, knowledge, and techniques. Prepares and disseminates professional data on new concepts, procedures, and techniques. Maintains liaison with the Chief, Biomedical Sciences Corps, and the associate chief of each discipline, to coordinate career development programs to achieve maximum effectiveness among all health disciplines within the Biomedical Sciences Corps.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: biomedical sciences programs, including an understanding of all specialties and disciplines within the Biomedical Sciences Corps, and Air Force personnel programs including manpower, personnel utilization, education, and training.
3.2. Education. The following education is mandatory as indicated:
3.2.1. For entry into this specialty, a degree in an appropriate scientific discipline.
3.2.2. For award of AFSC 43B1A, a degree from a chiropractic college approved by the Council on Chiropractic Education and approved by the Secretary of the Air Force.
3.3. Training. Not used.
3.4. Experience. Full qualification is mandatory in one or more of the biomedical science specialties in this utilization field. Also, a minimum of 24 months' experience is mandatory in planning and administering biomedical sciences programs for the award of the qualified AFSC.
3.5. Other. The following are mandatory as indicated:
3.5.1. For entry into this specialty, qualification in and possession of one or more qualified AFSCs in the Biomedical Specialists utilization field (43X3).
3.5.2. For entry into AFSC 43B1A, chiropractors must have:
3.5.2.1. Passed all parts of the National Board of Chiropractic Examiners test and have a current state license in chiropractic.
3.5.2.2. At least one year of experience in health care services in an allopathic model with sufficient case load and complexity as determined by the Surgeon General, HQ USAF.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Chiropractor

Staff AFSC 43D4
Qualified AFSC 43D3
Entry AFSC 43D1

DIETITIAN

1. Specialty Summary. Serves as an advisor to the surgeon in matters pertaining to nutrition and dietetics. Plans and manages nutritional medicine service operations including the performance of clinical dietetic activities. Coordinates with and makes recommendations to commanders and interested staff agencies concerning nutrition and dietetics. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Manages nutritional medicine activities. Formulates and implements polices and procedures for organization and operation of nutritional medicine. Determines medical food service requirements for personnel and equipment. Inspects and evaluates food preparation and service to patients and duty personnel for conformance with dietetic standards. Ensures that the nutritional medicine activity operates within budget limitations, sanitation, and safety standards. Plans and implements in-service training programs for food service personnel, such as diet therapy supervisors, cooks, bakers, meat cutters, and food service workers. Coordinates nutritional medicine operations with professional and administrative services of the medical facility.
2.2. Performs clinical dietetics activities. Plans nutritionally balanced and therapeutic menus, considering factors such as palatability, attractiveness, availability of food supplies, and budget limitations. Interprets and calculates therapeutic diets prescribed by medical officers. Interviews patients to determine food habits for guidance in planning diets. Instructs patients and members of the medical team concerning content and purpose of diets. Checks to determine the progress of patients on prescribed diets.
2.3. Coordinated dietetic activities. Advises the surgeon on the status and effectiveness of medical dietetic activities. Performs nutritional aspects of research and development studies. Assists the Flight Surgeon on diet programs for flying personnel. Confers with commanders and interested staff agencies on matters such as nutritional adequacy of meals, equipment requirements, commissary and subsistence matters, local procurement, maintenance of buildings and equipment, personnel, manpower, and other functions related to dietitian activities. Acts as nutritional consultant for the Air Force community with special emphasis on schools and child care centers. Consults with other governmental or private agencies on nutritional matters.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: regular and therapeutic diets and food service management.
3.2. Education. The following education is mandatory as indicated:
3.2.1. For entry into this specialty, a Bachelor's degree with academic preparation in general dietetics or equivalent program that meets requirements for membership in the American Dietetic Association, or eligibility to take the registration examination for dietitians.
3.2.2. For award of AFSC 43D3, completion of an accredited generalist dietetics internship or an equivalent program acceptable to the Surgeon General, HQ USAF.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 43D3, a minimum of 24 months' experience in dietetic assignments is mandatory. Completion of the Air Force Dietetic Internship Program may be substituted for 12 months' experience.
3.5. Other. For award of AFSC 43D3, registration as a Registered Dietitian by the Commission on Dietetic Registration, a service of the American Dietetic Association, is mandatory.

Staff AFSC 43E4*
Qualified AFSC 43E3*
Entry AFSC 43E1*

BIOENVIRONMENTAL ENGINEER

1. Specialty Summary. Applies engineering and biological knowledge and techniques for health protection purposes; participates in development of procedures, techniques, and equipment; conducts or supervises engineering services; and participates in medical facility programs. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Applies knowledge of engineering and biological sciences for health protection purposes. Surveys and evaluates systems, installations, facilities, and planning documents for chemical, physical, and biological stress factors which may cause sickness or impaired health and well-being, or produce significant discomfort or inefficiency among Air Force personnel or members of military communities in occupational and community environments. Analyzes plans, blueprints, and design specifications of contemplated projects such as weapon or support systems, maintenance activity facilities and community facilities. Analyzes to determine presence of toxic chemicals, radioactive materials, and other forms of radiant energy; abnormalities of temperature, humidity, and air motion; shock and vibration; acoustic energy; and illumination. Analyzes and evaluates results of tests and laboratory findings, and makes recommendations. Participates in creating and designing control measures or procedures, including methods of minimizing or reducing exposure or providing individual protection. Participates in disaster preparedness activities and medical aspects of safety and accident programs by providing environmental hazard evaluations and recommendations. Participates in reviews of facility requirements. Performs research and development on potential health hazards and control techniques. Participates in epidemiological and accident investigations. Directs and supervises technicians conducting base bioenvironmental engineering activities.
2.2. Manages bioenvironmental engineering programs. Supervises medical activities and personnel in environmental quality, bioenvironmental engineering activities. Advises commanders and staff agencies as to bioenvironmental engineering methods for control and prevention of diseases, work stresses, degradation of human efficiency and environmental pollution resulting from Air Force operations.
2.3. Participates in developing devices, equipment, and techniques for improving medical practice. Designs devices such as biomedical sensors and transducers. Applies technical knowledge to develop diagnostic and therapeutic methods. Advises on capability and limitations of electronic and mechanical devices associated with diagnosis or therapy. May perform, when qualified, in such specialized areas as biomedical computer systems engineering.
2.4. Conducts and supervises bioenvironmental engineering aspects of medical facilities. Applies human environmental stress response relationships to engineering design principles for medical facility requirements. Participates in developing designs and layouts. Serves as technical bioenvironmental engineering representative on construction of medical facilities and systems. Maintains liaison with local, state, and federal agencies on matters involving criteria, standards, performance specification, and monitoring related to environmental quality and occupational health matters.
2.5. Applies knowledge of architecture in design of medical facilities. Provides specific recommendations on functional and other special medical service criteria. Reviews plans, specifications, and other supporting data for their technical, medical, or functional sufficiency. Advises the Air Force regional civil engineer on functional aspects of health facility design and construction. Surveys health facility construction projects for compliance with medical service aspects of approved plans and specifications.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: bioenvironmental engineering techniques for health protection purposes.
3.2. Education. See specialty shredouts.
3.3. Training. For award of AFSC 43E3A/B/D/F/G, completion of the bioenvironmental engineering course is mandatory.
3.4. Experience. For award of AFSC 43E3X, a minimum of 24 months' experience is mandatory in bioenvironmental engineering assignments. Completion of a master's degree program in one of the bioenvironmental specialties at a recognized institute may be substituted for 12 months of the experience requirement.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	**General.** Performs and supervises bioenvironmental functions. Undergraduate academic specialization in engineering is mandatory for entry into this shred.
B	**Industrial Hygiene.** Performs and supervises occupational health functions. Master's degree in industrial hygiene (industrial health), or certification by the American Board of Industrial Hygiene as a certified industrial hygienist is mandatory for entry into this shred.
C	**Medical Construction.** Designs and constructs health care facilities. Undergraduate academic specialization in civil engineering, mechanical engineering, electrical engineering or structural engineering is mandatory for entry into this shred.
D	**Environmental.** Conducts and supervises water and air quality and hazardous waste management functions. Master's degree in environmental, sanitary, air pollution engineering or certification by the American Academy of Environmental Engineers is mandatory for entry into this shred.
E	**Architecture.** Designs and constructs health care facilities. Undergraduate academic specialization in architecture is mandatory for entry into this shred.
F	**Biomedical.** Performs clinical research and development biomedical engineering functions. Undergraduate academic specialization in biomedical engineering is mandatory for entry into this shred.
G	**Bioenvironmental/Health Physics.** Performs bioenvironmental and radiation protection functions. Performs and supervises occupational health, environmental engineering, and health physics functions. Full qualification in shredout A, B, D, or F and graduate academic specialization in health physics, radio biology, or equivalent is mandatory for entry into this shred.

Staff AFSC 43H4
Qualified AFSC 43H3
Entry AFSC 43H1

PUBLIC HEALTH

1. Specialty Summary. Applies preventive and public health knowledge, techniques, and skills to reduce the incidence of communicable diseases, occupational illnesses, food borne disease, and disease nonbattle injuries. Promotes public health principles through surveillance of disease trends, food safety practices, and sanitation levels in public and food service facilities. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Develops, plans, and implements military public health activities. Conducts preventive medicine and communicable disease control, occupational health, food safety, and disaster response programs. Establishes and maintains liaison with medical treatment facility and local public health agencies to ensure an integrated public health program. Advises on military public health issues, manning, and training. Identifies required facilities and resources. Prepares regulations and operating instructions, acquires technical bulletins, and presents training to support military public health. Evaluates public health programs and recommends changes in policies and procedures. Supports Reserve and Guard component units to determine status of programs, including effectiveness and compliance with standards.
2.2. Initiates, directs, and conducts preventive medicine and communicable disease control programs. Applies epidemiological and statistical methods to identify and evaluate factors increasing disease morbidity and mortality. Collects and reviews beneficiary morbidity data to establish baseline data and identify trends. Compares data to local, state, and federal morbidity reports. Notifies the Chief of Aerospace Medicine about trends or outbreaks that may affect the Air Force population. Directs and conducts epidemiological investigations of communicable diseases and food borne disease outbreaks, and makes recommendations. Manages administrative aspects of tuberculosis and sexually transmitted disease detection and control programs. Contributes to the medical facility employee health program. Plans and develops disease vector surveillance program. Provides communicable disease education.
2.3. Directs and conducts food safety and public facility sanitation programs. Monitors food processing establishments, distributors, and storage facilities. Evaluates facilities, equipment, and sanitary practices to assess compliance with public health standards. Supervises inspection of government owned and retail sales food to determine identity, wholesomeness, and quality. Advises procurement, contracting, and accountable property officers on proper disposition of nonconforming and unwholesome food supplies. Collects food samples for laboratory analyses. Supervises and conducts medical evaluations of installation food serving facilities and personnel to ensure compliance with construction, equipment cleanliness, food handler hygiene and food storage, preparation, and serving standards. Supervises or conducts courses for food service personnel and facility managers to prevent food borne illnesses. Reviews and coordinates plans for renovation or construction of food serving facilities, commissaries, and warehouses. Inspects or supervises inspections of public facilities such as child care centers, barber and beauty shops, and gymnasiums.
2.4. Maintains occupational health program. Establishes procedures to identify personnel requiring pre-placement, periodic, and termination medical examinations. Participates in formulating occupational health examination requirements for workers at risk for hazardous exposures. Maintains close liaison with other agencies to develop procedures for prompt identification, investigation, evaluation, and reporting of occupational illnesses. Serves as technical advisor for planning and presenting occupational health education programs. Manages administrative aspects of the fetal protection program for active duty and civilian workers.
2.5. Directs public health efforts. Advises on issues relating to site selection, field sanitation, disease threats, physical threats such as heat and cold stress, vector and pest hazards, and contamination control procedures. Provides medical information to members deploying during exercises and contingencies. Monitors disease trends and advises on interventions. Monitors procurement, preparation, and handling of food supplies and training and hygiene of food handlers. Advises food service personnel on protection and disposition of food items subject to nuclear, biological, or chemical contamination, and effects of natural and other peacetime disasters. Directs contamination control procedures for patients, medical personnel, and medical equipment.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of basic epidemiology, microbiology, food technology and hygiene, communicable diseases, and occupational health.

3.2. Education. For entry into this specialty, it is mandatory to possess a Doctor of Veterinary Medicine degree or a Bachelor of Science Degree in Nursing with a Master of Public Health degree emphasizing public health, epidemiology, communicable diseases, or occupational health from a college recognized by the Surgeon General, HQ USAF.

NOTE: In unique cases, the Surgeon General, HQ USAF, may waive the veterinary or nursing degree. In such cases, the individual must have a Master of Public Health degree or a Bachelor of Science degree with specialization in a biomedical or biological science and direct application to public health. Such individuals must also have civilian experience with a federal, state, or local public health agency, or occupational health experience in the public or private sector.

3.3. Training. For award of AFSC 43H3, completion of the public health officer course is mandatory.

3.4. Experience. For award of AFSC 43H3, a minimum of 24 months' experience is mandatory in public health officer assignments.

3.5. Other. Not used.

Staff AFSC 43M4
Qualified AFSC 43M3
Entry AFSC 43M1

MEDICAL ENTOMOLOGIST

1. Specialty Summary. Develops and administers medical pest management and entomologic programs, and conducts biologic surveys. Identifies and maintains surveillance of pests, disease vectors, and other animals of medical importance. Advises medical personnel on vector-borne disease epidemiology. Recommends control measures for insects and other arthropods, rodents, birds, weeds, nematodes, and other pests. Recommends procedures to ensure minimal environmental impact from pest control operations. Ensures measures to provide for occupational safety and health of pest controllers are adequate. Engages in entomologic, epidemiologic, pest management, environmental, and other related research. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Develops and administers medical entomologic programs. Formulates policies, plans and procedures for all medical entomologic aspects of military public health programs, with emphasis upon epidemiology, surveillance, evaluation, and control procedures development and recommendations. Develops medical entomologic portion of training programs for preventive medicine activities. Instructs technicians in collection, handling, identification, prevention, and control of disease-associated arthropods, other noxious or toxic animals, and poisonous plants. Advises surgeons at all levels of military capabilities and programs for prevention or control of anthropod and other animal-associated epidemics. Writes and maintains medical entomologic regulations and forms.
2.2. Develops and administers medical pest management programs. Formulates policies, plans, and procedures for USAF medical pest management programs. Ensures that pest control operations do not present unacceptable risks to human health and the environment. Ensures adequate pest control in combat situations and natural disasters. Resolves technical problems in all aspects of pest management, such as pest biology, control measures, pesticides, and pest control equipment. Formulates integrated pest management plans and provides integrated pest management technology transfer to the field. Determines pest management certification and training requirements and assists in pest management curriculum development. Acquires, manages, and reports pest management database. Assists in the preparation and maintenance of pest management regulations and forms. Assists in managing noxious weed control programs.
2.3. Conducts surveys of animals associated with disease and recommends control measures. Selects survey sites and modifies materials and equipment based on habits of animals concerned. Installs traps to collect animals, classifies collections, and determines the significance and medical importance of the populations. Ascertains measures required for prevention, control, or eradication of arthropod pests and vectors and other animals known to affect the health and morale of personnel. Performs studies in support of environmental impact and assessment preparation.
2.4. Conducts research in medical biology. Engages in exploratory laboratory and field studies concerning population dynamics, and distribution and host associations of arthropods and other animals of known medical or pest importance. Investigates relationship of environment of disease-associated animals. Collects, compiles, and evaluates data on to the development of animal control measures. Develops and tests effectiveness of pesticidal compounds and formulations and their distribution systems and modes of action. Explores the physiologic effect of pesticides on insects rodents, and man. Prepares comprehensive interpretive research reports pertaining to medical biology.
2.5. Coordinates pest management and medical biologic activities with military and civilian agencies. Maintains close coordination with DoD medical entomologists, pest managers, and related professionals. Maintains liaison with municipal authorities, public health organizations, and other federal agencies concerning control of diseases or infections transmitted by animals prevalent in off-base areas to which Air Force personnel are exposed. Attends and participates in meetings of professional societies and associations regarding solutions of medical biologic problems and interchange of ideas for improved pest control equipment, methods, and techniques.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: arthropod and rodent control measures and medical entomology.
3.2. Education. For entry into this specialty, a Master's degree in entomology or Master's degree in zoology or biology with a qualifying thesis in entomology is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 43M3, a minimum of 24 months' experience is mandatory in medical entomology assignment.
3.5. Other. Not used.

Staff AFSC 43P4
Qualified AFSC 43P3
Entry AFSC 43P1

PHARMACIST

1. Specialty Summary. Administers the pharmacy department. Acts as a consultant on drugs to the medical staff. Acts as supervisor for procuring, storing, manufacturing, distributing, controlling, and evaluating drugs. Instructs related health personnel in pharmacy matters. Researches administrative and scientific problems associated with pharmacy. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Administers the pharmacy activities. Plans, organizes, staffs, controls, and directs the pharmacy department according to established policies and procedures. Maintains the facilities of the department. Implements pharmacy and therapeutic committee decisions. Ensures maintenance of perpetual inventories on fully controlled substances. Establishes a drug distribution system yielding maximum pharmacy control over requisitioning, storing, and dispensing drugs.
2.2. Directs procurement, storage, manufacture, distribution, control, and evaluation of drugs. Formulates specifications for the quality and source of all drugs procured by the pharmacy. Supervises filling, labeling, and dispensing of all drug orders. Inspects stock supplies of drugs on all services; maintains an approved stock of antidotes and other emergency drugs. Oversees the manufacture of bulk compounded preparations if their procurement from commercial sources is not possible. Directs operation of the intravenous admixture program. Implements unit dose drug distribution systems. Maintains patient drug profiles for inpatients as well as outpatients when feasible.
2.3. Provides consultative services. Establishes a central repository of drug information. Communicates essential drug information to patients, attending physicians, nurses, and supportive personnel.
2.4. Serves in a teaching capacity. Cooperates in teaching courses to nurses interns, and others. Provides inservice training for medical, nursing, and pharmacy staffs.
2.5. Participates in research programs. Establishes a research unit within the pharmacy department. Promotes research related to hospital objectives. Promotes collaborative research.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: drugs and their actions; pharmaceutical manufacturing programs; quality control and distribution control procedures; pharmaceutical research, teaching, and in-service training programs; and hospital pharmacy administration and management.
3.2. Education. For entry into this specialty, undergraduate academic specialization in pharmacy courses acceptable to the Surgeon General, HQ USAF, is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 43P3, a minimum of 24 months' experience is mandatory in pharmacy assignments.
3.5. Other. For award of AFSC 43P3, a state license to practice pharmacy is mandatory.

Staff AFSC 43R4*
Qualified AFSC 43R3*
Entry AFSC 43R1*

VETERINARY SCIENTIST

1. Specialty Summary. Directs and participates in veterinary activities related to or connected with medical aspects of research and development programs, including instructing students. Related DoD Occupational: 6G.

2. Duties and Responsibilities:
2.1. Manages and participates in veterinary and biotechnology research. Directs and participates in research involving food technology, virology, serology, bacteriology, psychology, physiology, biomedical engineering, surgery, control of zoonosis, and other aspects of veterinary sciences, comparative medicine, and biotechnology.
2.2. Performs laboratory and field investigations. Conducts and reports laboratory and field investigations of an epidemiological nature involving microbiology, parasitology, and toxicology. Performs environmental surveys and comparative psychological studies. Conducts food tests and examinations.
2.3. Instructs personnel in veterinary procedures. Prepares lesson plans and lectures, and conducts demonstrations on veterinary procedures within specialty areas as shown in paragraphs 2.1 and 2.2.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: methods used in biomedical research and comparative medicine investigations.
3.2. Education. The following education is mandatory as indicated:
3.2.1. For entry into this specialty, a doctor of veterinary medicine degree from a college recognized by the Surgeon General, HQ USAF.
3.2.2. For award of AFSC 43R3/R3X, an advanced degree in veterinary or allied sciences or certification by the American Board of Veterinary Toxicology or American College of veterinary Microbiologists is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 43R3/R3X, a minimum of 24 months' experience in Veterinary Scientist assignments is mandatory. It is mandatory that experience include directing and participating in veterinary activities related to or connected with medical aspects of research and development programs.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Toxicology/Pharmacology
B	Radiobiology/Biophysics
C	Psychology
D	Physiology/Biochemistry
E	Microbiology

Staff AFSC 43T4*
Qualified AFSC 43T3*
Entry AFSC 43T1*

BIOMEDICAL LABORATORY
(Changed 31 Oct 96)

1. Specialty Summary. Manages, directs, supervises, and performs analyses of biologic and related materials in hospital, environmental, occupational, epidemiological, toxicological, or research and development laboratories; and teaches medical laboratory sciences. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Directs and supervises laboratory services. Serves as Chief of Laboratory Services or as Chief of one or more areas of Laboratory Services. Supervises the management of reference data for members of the medical provider staff. Maintains records and reports on laboratory operations necessary to provide workload accountability. Serves on professional, technical, consultant, and advisory committees to improve working relationships with other staff members and to communicate with biomedical laboratory officers and members of other specialties within the USAF Medical Service. Participates in meetings of professional societies and symposia and disseminates information obtained to other biomedical science personnel.
2.2. Conducts scientific analyses. Performs and supervises analyses in one or more areas of biomedical laboratory disciplines including clinical chemistry, environmental and industrial hygiene, chemistry, toxicology, microbiology, hematology, coagulation, serology, immunology, blood banking, immunohematology and virology.
2.3. Performs specialized duties. Manages and performs the development, evaluation, and application of new, modified, and improved procedures, techniques, and equipment for updating the laboratory services, including data automation and reporting. Responsible for correcting any analytic technical problems within the laboratory. Maintains surveillance of scientific literature, and recognizes need for applying new or improved techniques and procedures. Consults with other medical staff members to determine their requirements for effective patient care. Stays abreast of current Air Force requirements and developments through consultations and meetings with Air Force biomedical laboratory officers and other members of the Air Force Medical Service.
2.4. Performs teaching duties. Teaches and instructs medical and related personnel in both technical and interpretive aspects for a variety of laboratory sciences.
2.5. Establishes and maintains a program of quality control commensurate with specified Air Force publications and requirements set forth by select national accrediting agencies. Establishes and maintains the proper use of calibration standards, reference samples, and quality control charts. Applies standard statistical methods to daily laboratory results, and ensures that results are reported only when they conform to predetermined statistical limits and criteria. Participates in recognized proficiency surveys.
2.6. Ensures equipment, apparatus, and other instruments are in correct operating condition. Ensures instruments requiring calibration or other standardization are calibrated and standardized. Ensures faulty equipment, instruments, and apparatus are repaired or replaced. Updates present equipment.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of one or more areas of specialization within the field of biomedical laboratory science.
3.2. Education. The following education is required as indicated:
3.2.1. For entry in AFSC 43T1A, it is mandatory to possess a baccalaureate degree in medical technology or equivalent from an institution acceptable to the Surgeon General, HQ USAF.
3.2.2. For entry into AFSCs 43T1B/C/D/E/F/G/H, a master's degree is mandatory in the area of specialization identified by the suffix.
3.3. Training. For award of AFSC 43T3A, completion of the USAF Medical Technology Internship or equivalent program acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. For award of AFSC 43T3X, a minimum of 24 months' experience is mandatory in biomedical laboratory assignments.
3.5. Other. For award of AFSC 43T1A, current certification by either the American Society of Clinical Pathologists as a Medical Technologist or the National Certifying Agency for Medical Laboratory Personnel as a Clinical Laboratory Scientist is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFSC to Which Related*
A	**Biomedical Laboratory Science.** Performs and supervises work in any recognized area of clinical laboratory.
B	**Microbiology.** Performs and supervises microbiology examinations in the medical laboratories. Master's degree in microbiology, bacteriology, or clinical pathology specializing in microbiology is mandatory.
C	**Clinical Chemistry.** Performs and supervises chemical analyses in medical laboratories. Master's degree in chemistry (including 1 year of biochemistry or clinical chemistry) or clinical pathology specializing in chemistry is mandatory.
D	**Environmental and Industrial Hygiene Chemistry.** Performs and supervises chemical and other evaluations for the environmental and occupational settings. A master's degree in one of the following scientific disciplines or equivalent experience acceptable to the Surgeon General, HQ USAF, is mandatory: Industrial Hygiene Chemistry, Inorganic Chemistry, Organic Chemistry, or Chemical Toxicology.
E	**Blood Bank.** Performs and supervises blood bank activities, including collecting, processing, and issuing blood and blood components. Master's degree in immunohematology, clinical pathology specializing in immunohematology, medical technology, or equivalent experience acceptable to the Surgeon General, HQ USAF, is mandatory.
F	**Toxicologist.** Performs and supervises chemical and other evaluations in determining and estimating harmful effect of exposure to environmental, occupational, chemical and materials. Master's degree in Toxicology is desirable.
G	**Other.** Performs and supervises areas in clinical, research and development, epidemiological, or environmental health laboratories not covered by other suffixes. Master's degree in a biomedical science is mandatory.
H	**Hematology.** Performs and supervises hematology and hemostasis analysis in medical laboratories. A Master's degree in hematology, clinical pathology specializing in hematology, medical technology, or equivalent experience acceptable to the Surgeon General, HQ USAF, is mandatory.

Staff AFSC 43V4*
Qualified AFSC 43V3*
Entry AFSC 43V1*

VETERINARY CLINICIAN

1. Specialty Summary. Directs and participates in veterinary clinical support of government-owned animals, or in research and research support activities in veterinary or comparative medicine. Related DoD Occupational Group: 6G.

2. Duties and Responsibilities:
2.1. Manages and directs programs applying the clinical specialties. Manages independent and collaborative research or other applications of the relevant clinical specialty with programs using animals. Conducts research in zoonosis to learn their incidence and prevent their spread to humans and other animals. Directs personnel engaged in husbandry, care, and treatment of animals addressed by the specialty and those engaged in animal research projects. Prevents and controls zoonotic diseases through disease diagnosis, treatment, and immunization of animals.
2.2. Provides consultation and professional service. Provides professional service in the veterinary clinical specialties. Furnishes consultation and advice pertaining to procurement, preparation, and use of military dogs, laboratory animals, and other government-owned animals. Prepares written specifications for purchase of animals and supporting items. Conducts inspections of newly acquired animals and supporting items.
2.3. Instructs personnel. Provides consultation and instruction to scientific investigators, other users of government-owned animals, and animal technicians in areas peculiar to the specialty that enhance the care and use of the animals.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: clinical and laboratory diagnostic procedures; current therapeutic techniques; and prominent research activities appropriate to the specialty.
3.2. Education. The following education is mandatory as indicated:
3.2.1. For entry into this specialty, a Doctor of veterinary medicine degree from a college recognized by the Surgeon General, HQ USAF.
3.2.2. For award of AFSC 43V3X, an advanced degree in clinical specialty; or certification by the American college of Laboratory Animal Medicine, Veterinary Internal Medicine, Veterinary Ophthalmologist, Veterinary Pathologist, Veterinary Radiology, Veterinary Surgeons, or American Board of Veterinary Practitioners.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 43V3X, a minimum of 24 months' experience in veterinary clinician assignments is mandatory. Completion of residency training satisfies experience requirement.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
E	Laboratory Animal

Staff AFSC 43Y4*
Qualified AFSC 43Y3*
Entry AFSC 43Y1*

HEALTH PHYSICIST

1. Specialty Summary. Develops measures to control radiological hazards; monitors personnel and facilities to ensure permissible limits of health hazards are met. Coordinates all health physics activities, and conducts research and development. Conducts hospital medical physics program for radiotherapy, nuclear medicine, and diagnostic services. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Plans and conducts health physics studies. Determines facilities and operations requiring radiological or nonionizing radiological surveys. Directs monitoring of such facilities and operations to ensure existing safety standards and procedures are adequate, and recommends corrective action.
2.2. Coordinates health physics activities. Provides health physics information and advice to the surgeon of operating units. Makes recommendations on health physics aspects of disaster preparedness planning and operations. Acts as Medical Service Consultant in planning, designing, and constructing facilities for storage of radioactive material or radiation producing devices. Ensures adherence to prescribed safety standards by inspecting all procedures used to handle, ship, store, or dispose of nuclear components. Maintains liaison on health physics matters with representatives of the Nuclear Regulatory Commission and of other governmental and civilian agencies. Recommends new or revised instructions, manuals, and technical documents as required to ensure an adequate Health Physics Program.
2.3. Participates in research in the health physics area. Plans and develops requirements for health physics research and development projects with directors, technical boards, and committees. Performs research and development on established projects. Provides for evaluation and distribution of technical data. Serves as a representative on scientific and technical boards and committees. Maintains professional currency by reading technical literature and attending scientific meetings, when possible.
2.4. Conducts medical physics activities. Supervises and performs calibration of equipment used in diagnosing and treating disease, including high-energy accelerators, Co-60 teletherapy units, x-ray therapy machines, nuclear medicine imaging system, diagnostic x-ray machines, and ultrasonic devices. Participates in planning and managing patient treatment and diagnostic procedures. Participates in actual procedures, such as radiation therapy set-up, surgical implants of radioactive materials, and special diagnostic, nuclear medicine, and radiographic procedures. Advises medical specialists of requirements for, and availability of, new equipment and computer techniques to improve patient care and treatment. Supervises all phases of acquisition, from preliminary procurement procedures through operation. Teaches principles of health physics for care and treatment of patients to resident physicians.

3. Specialty Qualifications:
3.1. Knowledge. The following knowledge is mandatory as indicated:
3.1.1. For award of AFSC 43Y3, health physics principles for the protection of personnel from hazards associated with electromagnetic and particulate radiation.
3.1.2. For award of AFSC 43Y3A, principles of physics for care and treatment of patients.
3.2. Education. The following education is mandatory as indicated:
3.2.1. For entry into this specialty, undergraduate academic specialization in physics, radio biology, radiological physics, radiation biophysics, or other health physics related subjects acceptable to the Surgeon General, HQ USAF.
3.2.2. For entry into 43Y1A, a Master's degree in radio biological, medical, or health physics.
3.3. Training. Not used.
3.4. Experience. The following experience is mandatory as indicated:
3.4.1. For award of AFSC 43Y3, a minimum of 24 months' experience is mandatory in health physics assignments. Experience must include assignments in such activities as personnel monitoring; conducting radiological protection surveys; monitoring the treatment and disposal of radioactive wastes; or supervision and direction of the Health Physics Program.
3.4.2. For award of AFSC 43Y3A, a minimum of 24 months' experience is mandatory in medical health physics assignments. Experience must include the physics aspect of radiotherapy, nuclear medicine, and diagnostic radiology.
3.5. Other. For award of AFSC 43Y3A, certification by the American Board of Radiology in Therapeutic Radiological Physics is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Medical

INTRODUCTION

PHYSICIAN UTILIZATION FIELD (44XX)

The Physician Utilization Field covers the functions of program formulation, policy planning, direction, and professional participation pertinent to maintenance and improvement of health standards. Included in this field are immediate supervisory and technical responsibilities for the prevention, diagnosis, and treatment of physical and mental diseases, disorders, and injuries, involving clinical application of, and research in, such specialized fields of medicine as dermatology, aerospace medicine, psychiatry, radiology, pediatrics, gastroenterology, other phases of surgery, and preventive medicine. This field also includes responsibilities for the development of plans and procedures covering the medical aspects of defense against nuclear, biological, and chemical warfare. Officers in this field command medical installations, units, or activities as stated in AFI 51-604, *Appointment to, and Assumption of, Command.*

Excluded from this utilization field are those functions necessary to support or supplement professional medical care and treatment of patients and which do not require the degree of Doctor of Medicine. These are included in the Dental, Veterinary, Biomedical Sciences, Nurse and Health Services Management Utilization Fields.

Medical officers, immediately upon entering Air Force sponsored residencies, will be awarded the appropriate AFSC for the specialized field of medicine in which they are training.

All other medical officers who have had professional practice or have received intensive formal training in one of the specialized fields of medicine will be assigned the appropriate AFSC on attaining the standards established for that AFSC.

Special Experience Identifiers for the Physician Utilization Field will be designated only after approval of Headquarters Air Force Military Personnel Center, Surgeon. The following is a complete listing of AFSCs for the Physician Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
PHYSICIAN	44A3 44A1	Chief, Hospital/Clinic Services
	+44D4* +44D3* +44D1*	Pathologist A - Hematology F - Pediatric B - Cytology G - Transfusion Medicine C - Gynecology H - Microbiology D - Forensic K - Dermatology E - Neuropathology
	+44E4* +44E3* +44E1*	Emergency Services Physician A - Emergency Medicine Specialist
	44F4 44F3 44F1	Family Physician
	44G4 44G3 44G1	General Practice Physician
	44H4 44H3 44H1	Nuclear Medicine Physician
	44J4 44J3 44J1	Clinical Geneticist
	+44K4* +44K3* +44K1*	Pediatrician A - Adolescent Medicine G - Hematology B - Cardiology H - Neurology C - Developmental Pediatrics J - Pulmonology D - Endocrinology K - Infectious Diseases E - Neonatology M - Nephrology F - Gastroenterology

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
PHYSICIAN (Continued)	+44M4* +44M3* +44M1*	Internist A - Oncology B - Cardiology C - Endocrinology D - Gastroenterology E - Hematology F - Rheumatology G - Pulmonary Diseases H - Infectious Diseases J - Nephrology
	44N4 44N3 44N1	Neurologist
	+44P4* +44P3* +44P1*	Psychiatrist A - Child Psychiatry B - Forensic Psychiatry
	+44R4* +44R3* +44R1*	Diagnostic Radiologist A - Neuroradiology B - Special Procedures C - Pediatric D - Nuclear Medicine E - Musculoskeletal
	+44S4* +44S3* +44S1*	Dermatologist A - Dermatologic Surgery B - Dermatopathology
	44T4 44T3 44T1	Radiotherapist
	+44Y4* +44Y3* +44Y1*	Critical Care Medicine A - Pediatrics
	44Z4 44Z3 44Z1	Allergist

Qualified AFSC 44A3
Entry AFSC 44A1

CHIEF, HOSPITAL/CLINIC SERVICES

1. Specialty Summary. Plans and administers medical services at base level medical treatment facilities (MTF), including maintenance of health standards, training, and use of personnel. Directs inpatient and outpatient care and services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Administers medical service policies. Provides guidance for implementing comprehensive programs to continuously improve prevention and treatment of medical disease to ensure maximum personnel wartime readiness and combat capability. Determines personnel, materiel, and facility requirements. Administers operational policies for medical service programs.
2.2. Coordinates medical service programs. Coordinates health service and patient care with military and civilian medical treatment facilities. Participates in meetings of professional societies and clinics. Confers with commanders and staff members concerning establishing, manning, equipping, operating, and training for medical facilities, units, and personnel. Advises commanders on matters affecting health and welfare of personnel.
2.3. Monitors and directs medical service programs. Directs establishment and operation of inpatient and outpatient medical services. Manages assignment of medical officers and enlisted personnel to support medical facility operations. Manages education and training programs for medical officers. Disseminates professional information on new medical concepts, procedures, and techniques. Approves disengagement of patients for Civilian Health and Medical Program of the Uniformed Services (CHAMPUS). Responsible for management and oversight of professional programs to support medical treatment facility accreditation and inspection, including quality assurance and risk management, utilization management, and medical readiness.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, it is mandatory to possess a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy and completion of 1 year of graduate medical education acceptable to the Surgeon General, HQ USAF.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44A3, experience is mandatory in a position with significant responsibility for medical management, including clinical service or department level leadership; or an aggregate of related duties, including work in facility level quality assurance and risk management function or medical staff committees.
3.5. Other. Not used.

Staff AFSC 44D4*
Qualified AFSC 44D3*
Entry AFSC 44D1*

PATHOLOGIST
(Changed 31 Oct 96)

1. Specialty Summary. Diagnoses diseases by performing pathological examinations of body tissue; manages clinical laboratory services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Diagnoses diseases by performing necropsies and pathological examination of body tissues. Analyzes case histories. Prepares tissues for microscopic examination. Diagnoses nature and source of pathological conditions causing illness and death. Interprets and correlates findings. Prepares diagnostic reports.
2.2. Manages clinical laboratory services. Formulates plans and procedures for clinical laboratory services. Schedules and assigns medical technicians in clinical pathological procedures related to such subjects as hematology, bacteriology, serology, biochemistry, and parasitology. Directs medical officers and technicians in performing such anatomical pathological examinations as biopsies and necropsies involving preparation of tissue for microscopic analysis. Evaluates such laboratory functions as chemical analysis of body fluids and production of antigens and sera. Advises on kind and quantity of medical laboratory supplies and equipment. Coordinates clinical laboratory services with other medical activities. Instructs interns and residents in pathological and clinical pathological laboratory reports. Directs preparation of pathological diagnostic records. Serves as consultant on tissue and clinical pathology.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44D3, completion of a residency or fellowship in pathology acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 44D3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Hematology
B	Cytology
C	Gynecology
D	Forensic
E	Neuropathology
F	Pediatric
G	Transfusion Medicine
H	Microbiology
K	Dermatology

Staff AFSC 44E4*
Qualified AFSC 44E3*
Entry AFSC 44E1*

EMERGENCY SERVICES PHYSICIAN

1. Specialty Summary. Examines, diagnoses, and treats initial and acute phase of illnesses and injuries. Directs emergency and related outpatient services. Directs disaster planning, training, and management in the pre-hospital and hospital access areas. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats illnesses and injuries in the acute care setting. Provides immediate diagnosis and resuscitation care for life-threatening conditions, and directs the provision of such care in the pre-hospital setting. Provides diagnosis and care on the basis of medical history, physical examination, and diagnostic tests. Provides supportive care to patients with serious medical and surgical conditions until the care of that patient can be assumed by the appropriate specialist for that condition. Provides definitive or interim care for conditions that, while not life-threatening, cause discomfort or risk of worsening to the extent that such care cannot be reasonably delayed until the next available access into a more appropriate source for care.
2.2. Organizes and designs disaster management programs. Works with disaster planning and hospital command personnel to design effective pre-hospital and initial hospital care and triage activities for disaster and mass casualty situations. Functions as the pre-hospital care provider and supervisor in disaster and mass casualty situations, and provides triage expertise and immediate care skills at the hospital access level.
2.3. Provides training. Provides training and supervision of nonphysician health care personnel in aspects of pre-hospital and hospital life-saving care. Provides training to medical and nursing personnel in aspects of resuscitations, including identification and treatment of cardiac, traumatic, and infectious emergencies.
2.4. Directs the operation of hospital emergency care services. Plans and directs the operation of emergency care systems, including pre-hospital care. Supervises patient care activities of physicians, nurses, technicians, and other staff assigned to that area. Ensures that the emergency care system provides quality care and meets the needs of the patient population it serves. Works with Nursing Services to ensure optimal training and skill performance by all personnel assigned to the emergency services.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and experience requirements partially satisfies the knowledge required. Additional knowledge is mandatory in aspects of injury and illness which are unique to the Air Force and its military mission (chemical, bacteriological, and nuclear injuries, and immediate care of casualties in combat situations); operation of USAF health care delivery system; and needs of population served by these systems.
3.2. Education. For entry into this specialty, a degree of doctor of medicine or doctor of osteopathy from an approved school of medicine and completion of 1 year of graduate medical education in a clinical specialty at a hospital acceptable to the Surgeon General, HQ USAF, are mandatory.
3.3. Training. For award of AFSC 44E3, completion of an emergency medicine physician course is mandatory.
3.4. Experience. For award of AFSC 44E3A, acceptance by the American Board of Emergency Medicine for examination by completion of either a residency program in emergency medicine, or completion of practical experience and continuing education activities is mandatory.
NOTE: This requirement must be verified by letter of eligibility for examination from the American Board of Emergency Medicine.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Emergency Medicine Specialist

Staff AFSC 44F4
Qualified AFSC 44F3
Entry AFSC 44F1

FAMILY PHYSICIAN
(Changed 31 Oct 98)

1. Specialty Summary. Provides continuing, comprehensive health maintenance and medical care to entire family regardless of sex, age, or type of problem. Directs outpatient and inpatient care and services. Instructs other health care providers and nonmedical personnel. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Maintains a program of comprehensive health for the family unit, to include preventive medicine, behavioral sciences, and community health. Prepares and reviews medical histories and obtains data through interviews. Assembles triages and evacuates sick and wounded personnel. Examines patients, formulates differential diagnostic plans, defines and orders required diagnostic testing. Interprets examination findings and test results, and implements treatment plans. Determines need for consultation and assists in medical care and treatment provided at the direction of other specialists. Manages family practice inpatients, conducts ward rounds, and prescribes inpatient therapy. Participates in surgical, obstetrical, gynecological and critical care procedures according to training and demonstrated ability. Provides supportive and definitive care to patients with serious medical and surgical conditions with appropriate consultation, based on documented and demonstrated proficiency.
2.2. Manages family practice services for the health care of families. Formulates plans and procedures for operating outpatient and inpatient services directed toward health maintenance and ongoing health care of families by a physician who serves as their personal physician. Supervises and certifies the impaneling process of families according to local needs and resources. Schedules activities for the Family Practice Clinic, and assigns medical officers, nurses, and medical technicians. Determines needs for, and advises on kind and quantity of, medical supplies and equipment. Coordinates outpatient and inpatient services with other medical activities. Participates in committee direction of outpatient and inpatient health care services, as well as resource, facility, and logistics management.
2.3. Instructs medical and non-medical personnel. Formulates medical training programs and instructs both medical and nonmedical personnel in a variety of health-related topics, including first-aid measures, basic and advanced cardiac life support, and health care maintenance. May teach family practice residents and medical students at military or affiliated civilian institutions.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine or a doctor of osteopathy degree from an approved school of medicine or osteopathy, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44F3, completion of a residency in family practice acceptable to the Surgeon General HQ USAF, or board certification by either the American Board of Family Practice or the Advisory Board of Osteopathic Specialties is mandatory.
3.5. Other. For entry into AFSC 44F1, current enrollment in a family practice residency program acceptable to the Surgeon General, HQ USAF, is mandatory.

Staff AFSC 44G4
Qualified AFSC 44G3
Entry AFSC 44G1

GENERAL PRACTICE PHYSICIAN

1. Specialty Summary. Examines, diagnoses, and treats diseases and injuries; manages outpatient and ward services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Manages primary care services. Examines, diagnoses, and treats diseases and injuries. Prepares and reviews case histories and obtains data through interviews. Assembles and evacuates sick and wounded personnel. Examines patients and determines x-ray examinations and clinical laboratory tests required. Interprets test results and evaluates examination findings. Conducts ward rounds and prescribes therapy. Administers and prescribes such conservative measures of treatment as antibiotics, drugs, and compresses. Performs minor surgical procedures. Determines need for and assists in specialized medical care and treatment. May be granted additional privileges and responsibilities based on documented advanced proficiency.
2.2. Coordinates medical service programs. Coordinates health service and patient care with military and civilian medical agencies. Participates in meetings of professional societies and clinics. Confers with commanders and staff members concerning manning, equipping, operating, and training of medical installations, facilities, and units. Advises commanders on matters affecting health and welfare of personnel.
2.3. Directs outpatient and ward services. Formulates plans and procedures for outpatient and ward services. Schedules activities and assigns medical officers, interns, nurses, and medical technicians. Advises on kind and quantity of medical supplies and equipment. Coordinates outpatient and ward services with other medical activities. Instructs medical technicians in first-aid measures.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy, and completion of 1 year of graduate medical education in a clinical specialty at a hospital acceptable to the Surgeon General, HQ USAF, is mandatory.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. Not used.

Staff AFSC 44H4
Qualified AFSC 44H3
Entry AFSC 44H1

NUCLEAR MEDICINE PHYSICIAN

1. Specialty Summary. Uses radionuclides in diagnostic imaging, in treating disease, and for a variety of laboratory procedures. Manages Nuclear Medicine Services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Uses radionuclides in diagnostic imaging and in the treatment of disease. Reviews requests for nuclear imaging and therapeutic procedures, and determines applicability of requested procedures. Interviews and examines patients and records supplementary data. Instructs and directs nuclear medicine technologists regarding desired dosages, techniques, positions, and projections. Applies data processing techniques, as indicated. Interprets images and data, and confers with medical and dental officers regarding diagnoses of cases. Prepares comprehensive interpretive reports of findings.
2.2. Uses radionuclides for a variety of laboratory procedures. Uses radionuclides to perform diagnostic studies of blood and urine, including radioimmunoassay, volume and dilution studies, hematological studies, and others. Prepares report of results.
2.3. Manages Nuclear Medicine Services. Formulates plans and procedures for Nuclear Medicine Services. Coordinates nuclear medicine services with other medical activities. Determines capability of available resources, and advises regarding future needs. Ensures quality control of radionuclide preparation, administration, and disposition, and ensures that all activities comply with the standards of the Nuclear Regulatory Commission and the Air Force permit. Establishes and enforces protection standards for patients and personnel. Schedules examinations and assigns personnel. Advises on kind and quantity of nuclear medicine supplies and equipment. Participates in delivery of graduate medical education in nuclear medicine, diagnostic radiology, and other specialties. Serves as consultant in nuclear medicine.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. The following education is mandatory for entry into this specialty:
3.2.1. A doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy.
3.2.2. On a case-by-case basis, completion of an additional residency in diagnostic radiology, internal medicine, pathology, or other specialties, acceptable to the American Board of Nuclear Medicine is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44H3, completion of a residency in nuclear medicine acceptable to the Surgeon General, USAF, is mandatory.
3.5. Other. Not used.

Staff AFSC 44J4
Qualified AFSC 44J3
Entry AFSC 44J1

CLINICAL GENETICIST
(Created 31 Oct 97)

1. Specialty Summary. Evaluates, examines, diagnoses and treats genetic diseases and conditions. Manages medical genetics services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Evaluates, diagnoses, and treats genetic diseases. Prepares and reviews case histories and clinical records. Interviews patients or parents to obtain clinical and family histories and constructs pedigrees. Examines patients, determines need for laboratory or other testing, and interprets pedigrees, examination findings and test results. Counsels patients or parents on recurrence risks and availability of prenatal diagnosis.
2.2. Manages medical genetics services. Formulates plans and procedures for medical genetics services. Schedules use of medical genetics clinics, facilities, and laboratories and assigns nurses, nurse practitioners, genetic counselors, medical technicians, and genetic laboratory personnel. Advises on type and quantity of supplies and equipment. Coordinates medical genetics services with other medical activities. Instructs interns and residents in methods and procedures for diagnosis and management of genetic disorders.
2.3. Serves as consultant on genetic conditions and diseases.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not Used.
3.4. Experience. For award of AFSC 44J3, completion of a residency or fellowship in medical genetics acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. Not Used.

Staff AFSC 44K4*
Qualified AFSC 44K3*
Entry AFSC 44K1*

PEDIATRICIAN
(Changed 31 Oct 97)

1. Specialty Summary. Examines, diagnoses, and treats diseases and injuries of infants and children. Manages pediatric services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases and injuries of infants and children, extending into young adulthood. Prepares and reviews case histories and clinical records of infants and children. Examines patients, determines need for x-ray examinations and clinical laboratory tests, and interprets examination findings and test results. Prescribes pediatric treatment.
2.2. Manages pediatric services. Formulates procedures for pediatric services. Schedules use of diagnostic and treatment facilities and assigns nurses and medical technicians. Advises on types and quantity of pediatric supplies and equipment. Coordinates pediatric services with other medical activities. Instructs interns and residents in procedures for diagnosis and treatment of diseases and injuries of infants and children. Serves as consultant on pediatrics.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44K3, completion of a residency or fellowship in pediatrics acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 44K3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Adolescent Medicine
B	Cardiology
C	Developmental Pediatrics
D	Endocrinology
E	Neonatology
F	Gastroenterology
G	Hematology
H	Neurology
J	Pulmonology
K	Infectious Diseases
M	Nephrology

Staff AFSC 44M4*
Qualified AFSC 44M3*
Entry AFSC 44M1*

INTERNIST

1. Specialty Summary. Diagnoses diseases and renders nonsurgical care; provides consultation in complex cases. Manages internal medicine services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Diagnoses and treats diseases. Prepares and reviews case histories and clinical records. Performs and directs diagnostic procedures, including x-ray examinations and clinical laboratory tests. Interprets test results and evaluates examination findings. Prescribes such treatment for internal diseases as drugs, physical therapy, and dietary regimens.
2.2. Manages internal medicine services. Formulates plans and procedures for internal medicine services. Schedules use of internal medicine clinics and diagnostic facilities and assigns nurses and medical technicians. Advises on type and quantity of supplies and equipment. Coordinates internal medicine services with other medical activities. Instructs interns and residents in procedures and methods of internal medicine. Serves as consultant on internal diseases.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44M3, completion of a residency or fellowship in internal medicine acceptable to the Surgeon General, USAF, is mandatory.
3.5. Other. For award of AFSC 44M3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Oncology
B	Cardiology
C	Endocrinology
D	Gastroenterology
E	Hematology
F	Rheumatology
G	Pulmonary Diseases
H	Infectious Diseases
J	Nephrology

Staff AFSC 44N4
Qualified AFSC 44N3
Entry AFSC 44N1

NEUROLOGIST

1. Specialty Summary. Examines, diagnoses, and treats diseases and disorders of the nervous system. Manages neurological services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats neurological diseases and disorders. Prepares and reviews case histories and obtains data through interviews. Examines patients, determines need for clinical laboratory tests, and interprets examination findings and test results. Prescribes neurological treatment.
2.2. Manages neurological services. Formulates plans and procedures for neurological services. Schedules use of diagnostic and treatment facilities and assigns nurses, physical therapists, occupational therapists, and medical technicians. Advises on kind and quantity of neurological supplies. Coordinates neurological services with other medical activities. Instructs interns and residents in neurological techniques. Supervises medical technicians in operation of, and serves as consultant on electroencephalographic apparatus and other neurological diagnostic and therapeutic equipment.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44N3, completion of a residency or fellowship in neurology acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. Not used.

Staff AFSC 44P4*
Qualified AFSC 44P3*
Entry AFSC 44P1*

PSYCHIATRIST

1. Specialty Summary. Examines, evaluates, diagnoses, and treats psychiatric disorders; manages and directs psychiatric services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, evaluates, diagnoses, and treats psychiatric disorders. Prepares and reviews case histories and obtains and evaluates data through interview techniques. Diagnoses psychiatric disorders. Prescribes and evaluates effectiveness of a wide range of therapeutic measures. Recommends disposition of psychiatric cases.
2.2. Manages and directs psychiatric services. Formulates plans for psychiatric services. Directs mental health clinics. Advises on problems related to mental health and prevention of mental disorders. Serves as medical and psychiatric consultant to clinical psychologists and clinical social workers. Assigns psychiatric nurses and technicians to functions contributing to the diagnosis and treatment of patients. Advises on kind and quantity of psychiatric supplies and equipment. Coordinates psychiatric services with other medical activities. Instructs interns and residents in psychiatric principles and procedures. Serves as consultant on psychiatry.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44P3, completion of residency or fellowship in psychiatry acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 44P3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Child Psychiatry
B	Forensic Psychiatry

Staff AFSC 44R4*
Qualified AFSC 44R3*
Entry AFSC 44R1*

DIAGNOSTIC RADIOLOGIST
(Changed 30 Apr 97)

1. Specialty Summary. Makes and interprets diagnostic images; performs special procedures. Manages radiological services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Makes and interprets diagnostic images. Reviews requests for x-ray, nuclear radiology, ultrasound, and other diagnostic imaging procedures, and determines applicability of requested procedures. Interview patients as necessary, and records supplementary data. Instructs radiologic personnel in desired techniques, positions, and projections. Interprets images and confers with medical and dental officers regarding diagnoses of cases. Prepares comprehensive interpretive reports of findings.
2.2. Performs special procedures. Recommends and performs special imaging procedures, including fluoroscopy, tomography, angiography, nuclear imaging, ultrasound, and computed tomography, with limitations of available resources and expertise. Determines need for referral of cases that are not within local capability. Performs and interprets procedures, and prepares comprehensive interpretive report of findings.
2.3. Manages radiological services. Formulates plans and procedures for radiological services. Coordinates radiological services with other medical activities. Determines capability of available resources, and advises regarding future needs. Assures adequate quality control of images. Establishes and enforces standards for protection of patients and personnel. Schedules examinations and assigns radiologic personnel. Advises on kind and quantity of radiological supplies and equipment. Participates in the delivery of graduate medical education in radiology. Serves as consultant in radiology.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44R3, completion of a residency in radiology acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 44R3X, completion of an additional residency or fellowship program related to the suffix or having been awarded a Certificate of Added Qualification (CAQ), Certificate of Special Competence for 44R3D, by the American Board of Radiology, and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Neuroradiology
B	Special Procedures
C	Pediatric
D	Nuclear Radiology
E	Musculoskeletal

Staff AFSC 44S4*
Qualified AFSC 44S3*
Entry AFSC 44S1*

DERMATOLOGIST

1. Specialty Summary. Examines, diagnoses, and treats diseases of skin. Manages dermatological services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases of the skin. Prepares and reviews case histories and clinical records. Examines patients, performs biopsies, and other diagnostic techniques of dermatology, and determines requirements for clinical laboratory tests. Interprets test results and evaluates examination findings. Prescribes treatment, including x-ray therapy, physical therapy, and medication.
2.2. Manages dermatological services. Formulates plans and procedures for dermatological services. Schedules operation of diagnostic and treatment facilities and assigns nurses, physical therapists, x-ray therapists, and other medical technicians. Advises on types and quantity of dermatological supplies and equipment. Coordinates dermatological services with other medical activities. Instructs interns and residents in methods and procedures for diagnosis and treatment of dermatological diseases. Serves as consultant on dermatology.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44S3, completion of a residency or fellowship in dermatology acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 44S3X, completion of the additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Dermatologic Surgery
B	Dermatopathology

Staff AFSC 44T4
Qualified AFSC 44T3
Entry AFSC 44T1

RADIOTHERAPIST

1. Specialty Summary. Participates in the multi-disciplinary management of cancer patients. Evaluates patients to determine suitability for radiation therapy. Treats pathological conditions with various types and sources of radiation. Manages radiotherapy services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Provides consultation regarding cancer management. Consults with other medical officers in the diagnosis, staging, treatment, and follow-up of patients with malignant diseases. Interviews and examines patients. Reviews radiographic and other imaging studies, laboratory data, histopathological slides, and other diagnostic information. Determines and advises regarding suitability for radiation therapy.
2.2. Provides radiation therapy. Administers various types of radiation, or supervises its administration, to carefully determined areas of the body, with due consideration for the tolerance of various tissues and volumes. Selects the most appropriate technique or modality, including external beam therapy with photons or particles at various energies, surface applications, intracavitary applications, or interstitial applications. Determines daily and total radiation dose and maintains records of all therapy administered. Instructs radiologic personnel in proper patient positioning, beam alignment, field setup, and treatment areas. Monitors clinical response during therapy. Conducts and advises as to follow-up evaluations.
2.3. Manages radiotherapy services. Formulates plans and procedures for management of radiotherapy services. Coordinates radiotherapy services with other medical activities. Schedules patient visits and treatments. Assigns radiologic personnel and other personnel. Advises on kind and quantity of radiotherapy equipment needed. Participates in the delivery of continuing medical education in radio therapy for physicians and other personnel. Serves as consultant in radiotherapy.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirement satisfies this requirement.
3.2. Education. A doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory for entry into this AFSC.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44T3, completion of a residency in radiotherapy acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. Not used.

Staff AFSC 44Y4*
Qualified AFSC 44Y3*
Entry AFSC 44Y1*

CRITICAL CARE MEDICINE

1. Specialty Summary. Examines, diagnoses, and treats, by surgical and nonsurgical means, diseases and injuries in critical care units. Manages critical care activities. Related DoD Occupational Group: 6A

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases and injuries by surgical and nonsurgical means. Prepares and reviews case histories and obtains data through interviews. Examines patients and determines x-ray examinations and clinical laboratory tests required. Interprets test results and evaluates examination findings. Prescribes treatment, such as drugs, physical therapy, dietary regimens, and surgical procedures for diseases and injuries. Coordinates treatment with other specialists. Treats patients suffering from surgical shock, postoperative hemorrhages, respiratory failure, and other complications.
2.2. Manages critical care activities. Formulates plans and procedures for critical care activities. Schedules use of critical care facilities and assigns nurses and medical technicians. Advises on type and quantity of supplies and equipment. Coordinates critical care with other medical activities. Instructs residents in critical care. Serves as consultant on critical care.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirements satisfies this requirement.
3.2. Education. The following education is mandatory for entry into this specialty:
3.2.1. A doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy.
3.2.2. Board eligibility in a basic specialty (surgery, anesthesiology, pediatrics, or internal medicine).
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44Y3, completion of a fellowship in critical care medicine, or equivalent, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 44Y3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Pediatrics

Staff AFSC 44Z4
Qualified AFSC 44Z3
Entry AFSC 44Z1

ALLERGIST

1. Specialty Summary. Examines, diagnoses, performs diagnostic tests, and treats allergic disorders. Manages allergy services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats allergic diseases. Prepares and reviews case histories and obtains data through interviews. Examines patients and determines required x-ray examinations, clinical laboratory tests, and diagnostic challenge tests (dermal on inhalation or ingestion). Interprets tests results and evaluates findings. Prescribes specific medications, diets, and immunotherapy and overseas nursing personnel in injection therapy. In emergencies, treats patients suffering from anaphylactic shock, angioedema, urticaria, bronchospasm, and other severe allergic diseases.
2.2. Manages allergy services. Formulates plans and procedures for allergy services, schedules clinic and allergic testing, and assigns nurses and medical technicians. Advises on kind and quantity of allergy supplies and equipment. Coordinates allergy services with other medical activities. Instructs interns, residents, and fellows in allergy procedures. Serves as consultant on allergy.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine or a doctor of osteopathy degree from a recognized school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44Z3, completion of a fellowship in allergy acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. Not used.

INTRODUCTION

SURGERY UTILIZATION FIELD (45XX)

The Surgery Utilization Field covers the functions of program formulation, policy planning, direction, and professional participation pertinent to maintenance and improvement of health standards and aerospace medicine. Included in this field are the areas of anesthesiology, orthopedic, ophthalmology, obstetrics and gynecology, otorhinolaryngology, physical medicine, surgery, and urology. Officers in this field command medical installations, units, or activities as stated in AFR 51-604, *Appointments to, and Assumption of, Command*. The following is a complete listing of AFSCs for the Surgery Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
SURGERY	45A4 45A3 45A1	Anesthesiologist
	+45B4* +45B3* +45B1*	Orthopedic Surgeon A - Hand Surgery B - Pediatrics C - Biomechanical D - Sports Medicine E - Spine Surgery F - Oncology G - Replacement Arthroplasty H - Traumatology
	+45E4* +45E3* +45E1*	Ophthalmologist A - Oculoplastics B - Cornea/External Disease C - Glaucoma D - Neuro-ophthalmology E - Pathology F - Strabismus/Pediatrics G - Vitreous/Retina
	+45G4* +45G3* +45G1*	Obstetrician and Gynecologist A - Endocrinology B - Oncology C - Pathology D - Maternal-Fetal Medicine E - Urogynecology/Pelvic Reconstructive Surgery
	45N4 45N3 45N1	Otorhinolaryngologist
	45P4 45P3 45P1	Physical Medicine Physician
	+45S4* +45S3* +45S1*	Surgeon A - Thoracic B - Colon and Rectal C - Cardiac D - Pediatric E - Peripheral Vascular F - Neurological G - Plastic H - Oncology J - Multiorgan Transplant
	+45U4* +45U3* +45U1*	Urologist A - Pediatrics B - Oncology

Staff AFSC 45A4
Qualified AFSC 45A3
Entry AFSC 45A1

ANESTHESIOLOGIST

1. Specialty Summary. Administers general and local anesthetics; manages anesthesiological services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Administers general and local anesthetics. Determines anesthetics to be used, considering such factors as patient's condition and operation to be performed. Records observations while administering such anesthetics as ether, sodium pentathol, and nitrous oxide. Coordinates administration of anesthetics with surgeons during operation. Maintains life support.
2.2. Manages anesthesiological services. Formulates plans and procedures for anesthesiological services. Assigns nurses and medical technicians. Advises on kinds and quantity of anesthesiological supplies and equipment. Schedules use and provides for maintenance of surgical suite, including operating, wash-up, waiting rooms and anesthetic and sterilizing equipment. Coordinates anesthesiological services with other medical activities. Instructs personnel in methods and procedures for administering anesthetics. Serves as consultant on anesthesiology. Also, serves as consultant for respiratory physiology problems and ventilator management for intensive care facilities.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 45A3, completion of a residency or fellowship in anesthesiology acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. Not used.

Staff AFSC 45B4*
Qualified AFSC 45B3*
Entry AFSC 45B1*

ORTHOPEDIC SURGEON

1. Specialty Summary. Examines, diagnoses, and treats diseases and injuries of musculoskeletal system by surgical and conservative means. Manages orthopedic surgery services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases and injuries of musculoskeletal system by surgical and conservative means and application of corrective mechanical devices. Prepares and reviews case histories and obtains data through interviews. Examines patients and determines x-ray examinations and clinical laboratory tests required. Interprets test results and evaluates examination findings. Determines procedures for preoperative and postoperative care such as administering sedatives, prescribing diets, and preparing operative area of patients. Applies surgical procedures and coordinates operation with anesthesiologist. Reduces and immobilizes fractures by open or closed methods, using such corrective devices as braces, casts, and splints. Administers and prescribes such conservative measures of treatment as antibiotics, drugs, and compresses. Treats patients suffering from surgical shock, postoperative hemorrhage, and other complications.
2.2. Manages orthopedic surgery services. Formulates plans and procedures for orthopedic surgery services. Schedules operations and assigns surgeons, nurses, and medical technicians. Directs nurses in procedures for preoperative and postoperative care and operating room techniques. Advises on kind and quantity of orthopedic supplies and equipment. Coordinates orthopedic surgery services with other medical activities. Instructs interns and residents in orthopedic surgery procedures. Serves as consultant on orthopedics.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 45B3, completion of a residency or fellowship in orthopedic surgery acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 45B3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Hand Surgery
B	Pediatrics
C	Biomechanical
D	Sports Medicine
E	Spine Surgery
F	Oncology
G	Replacement Arthroplasty
H	Traumatology

Staff AFSC 45E4*
Qualified AFSC 45E3*
Entry AFSC 45E1*

OPHTHALMOLOGIST

1. Specialty Summary. Examines, diagnoses, and treats, by surgical and conservative means, injuries and disorders of the eye. Manages ophthalmologic services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases and injuries of the eye. Provides inpatient and outpatient care. Evaluates medical and surgical histories. Assesses visual and refractive status, measures intraocular pressure, and examines the eye and adnexa. Performs necessary diagnostic procedures and clinical tests. Interprets results, determines treatment plan, and discusses with patient. Coordinates preoperative evaluation. Performs local anesthesia and surgical procedures. Prescribes and administers various ocular and systemic medications. Performs laser surgery.
2.2. Manages ophthalmological services. Formulates plans and procedures for ophthalmological services. Schedules operations and assigns nurses and medical technicians in such functions as refracting eyes and prescribing glasses. Directs nurses in procedures for preoperative and postoperative care and in operating room techniques. Advises on kind and quantity of ophthalmological supplies and equipment. Coordinates ophthalmological services with other medical activities. Instructs interns and residents in ophthalmological procedures. Serves as consultant on ophthalmology.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 45E3, completion of a residency of fellowship in Ophthalmology acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 45E3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Oculoplastics
B	Cornea/External Disease
C	Glaucoma
D	Neuro-Opthalmology
E	Pathology
F	Strabismus/Pediatrics
G	Vitreous/Retina

Staff AFSC 45G4*
Qualified AFSC 45G3*
Entry AFSC 45G1*

OBSTETRICIAN AND GYNECOLOGIST
(Changed 31 Oct 97)

1. Specialty Summary. Prescribes prenatal and postnatal care; performs deliveries in maternity cases. Treats diseases and injuries of female reproductive system by surgical and conservative means. Manages obstetrical and gynecological services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Prescribes prenatal and postnatal care, performs deliveries in maternity cases, and treats diseases and injuries of female reproductive system. Prepares and reviews case histories and obtains data through interviews. Examines patients and determines x-ray examinations and clinical laboratory tests required. Interprets test results and evaluates examination findings. Prescribes prenatal and postnatal care, including diets and medication. Directs nurses in procedures for preoperative and postoperative care such as administering sedatives, prescribing diets, and preparing operative area of patients. Applies surgical procedures and coordinates gynecological and obstetrical operations with anesthesiologist. Administers and prescribes such conservative measures of treatment as antibiotics, drugs, and compresses. Treats patients suffering from surgical shock, postoperative hemorrhages, and other complications.
2.2. Manages obstetrical and gynecological services. Formulates plans and procedures for obstetrical and gynecological services. Schedules operation of obstetrical and gynecological services with other medical activities. Instructs interns and student residents in obstetrical and gynecological procedures. Serves as consultant on obstetrics and gynecology.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not Used.
3.4. Experience. For award of AFSC 45G3, completion of a residency or fellowship in obstetrics and gynecology acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 45G3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Endocrinology
B	Oncology
C	Pathology
D	Maternal-Fetal Medicine
E	Urogynecology/Pelvic Reconstructive Surgery

Staff AFSC 45N4
Qualified AFSC 45N3
Entry AFSC 45N1

OTORHINOLARYNGOLOGIST

1. Specialty Summary. Examines, diagnoses, and treats, by surgical and other means, injuries and disorders of head and neck. Manages otorhinolaryngological services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats, by surgical and other means, injuries and disorders of head and neck. Prepares and reviews case histories and obtains data through interviews. Examines patients and determines x-ray examinations and clinical laboratory tests required. Interprets test results and evaluates examination findings. Determines procedures for preoperative and postoperative care such as administering sedatives, prescribing diets, and preparing operative area of patients. Applies surgical procedures and coordinates operations with anesthesiologist. Administers and prescribes such measures of treatment as antibiotics, drugs, and compresses. Treats patients suffering from surgical shock, postoperative hemorrhages, and other complications.
2.2. Manages otorhinolaryngological services. Formulates plans and procedures for otorhinolaryngological services. Schedules operations and assigns surgeons, nurses, and medical technicians. Directs nurses in procedures for preoperative and postoperative care and operating room techniques. Advises on types and quantity of otorhinolaryngological supplies and equipment. Coordinates otorhinolaryngological services with other professional medical activities. Instructs interns and residents in techniques of head and neck surgery. Serves as consultant on head and neck surgery.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 45N3, completion of a residency or fellowship in otorhinolaryngology acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. Not used.

Staff AFSC 45P4
Qualified AFSC 45P3
Entry AFSC 45P1

PHYSICAL MEDICINE PHYSICIAN

1. Specialty Summary. Examines, diagnoses, and treats disabling conditions. Manages physical medicine and rehabilitation services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats disabilities. Prepares and reviews case histories and clinical records. Examines patients and provides medical management for musculoskeletal trauma, disabling pain, deformity or amputation, peruses, contractures, deconditioning, spacticity, dysphagia, decubiti, bowel incontinence, and other disabling conditions. Prescribes electrotherapy, ultrasonography, heat and cold therapy, hydrotherapy, debridement, short-wave and microwave diathermy, infrared and ultraviolet radiation, and orthotic and prosthetic applications. Performs electrodiagnosis, including electromyography, nerve conduction studies, and somatosensory evoked potentials. Consults and coordinates with physical and occupational therapists, speech pathologists, neuropsychologists, behavioral psychologists, social workers, and medical technicians.
2.2. Instructs interns and residents in the diagnosis and treatment of physically disabling temporary and permanent conditions. Serves as a consultant on physical medicine and rehabilitation.
2.3. Formulates plans and procedures for physical medicine services. Schedules diagnostic and treatment facilities. Prescribes for and directs rehabilitation nurses. Advises on types and quantity of physical medicine and rehabilitation equipment and supplies. Coordinates physical medicine and rehabilitation services with other medical activities.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 45P3, completion of a residency or fellowship in physical medicine and rehabilitation acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. Not used.

Staff AFSC 45S4*
Qualified AFSC 45S3*
Entry AFSC 45S1*

SURGEON

1. Specialty Summary. Examines, diagnoses, and treats, by surgical and conservative means, diseases and injuries. Manages surgery services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats by surgical means, diseases and injuries. Prepares and reviews case histories and obtains data through interviews. Examines patient and determines x-ray examinations and clinical laboratory tests required. Interprets test results and evaluates examination findings. Determines procedures for preoperative and postoperative care, such as administering sedatives, prescribing diets, and preparing operative area of patient. Coordinates surgical operation with anesthesiologist. Applies surgical procedures and assists specialists in performing surgery including thoracic, plastic, brain, and orthopedic. Administers and prescribes such conservative measures of treatment as antibiotics, drugs, and compresses. Treats patients suffering from surgical shock, postoperative hemorrhages, and other complications.
2.2. Manages surgery services. Formulates plans and procedures for surgery services. Schedules operations and assigns surgeons, nurses, and medical technicians. Directs nurses in procedures for preoperative and postoperative care of patients and operating room techniques. Advises on kind and quantity of supplies and equipment. Coordinates surgery services with other medical activities. Instructs interns and residents in surgical procedures. Serves as consultant on surgery.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 45S3, successful completion of a residency or fellowship in surgery acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 45S3X, successful completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Thoracic
B	Colon and Rectal
C	Cardiac
D	Pediatric
E	Peripheral Vascular
F	Neurological
G	Plastic
H	Oncology
J	Multiorgan Transplant

Staff AFSC 45U4*
Qualified AFSC 45U3*
Entry AFSC 45U1*

UROLOGIST

1. Specialty Summary. Examines, diagnoses, and treats, by surgical and conservative means, injuries and disorders of the genitourinary tract. Manages urological surgery services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats, by surgical means, injuries and disorders of the genitourinary tract. Prepares and reviews case histories and obtains data through interviews. Examines patients and determines x-ray examinations and laboratory tests required. Interprets test results and evaluates examination findings. Directs nurses in procedures for preoperative and postoperative care such as administering sedatives, prescribing diets, and preparing operative area of patient. Applies surgical procedures and coordinates operation with the anesthesiologist. Administers and prescribes such conservative measures of treatment as antibiotics, drugs, and compresses. Treats patients suffering from surgical shock, postoperative hemorrhages, and other complications.
2.2. Manages urological surgery services. Formulates plans and procedures for urological service. Schedules operations and assigns surgeons, nurses, and medical technicians. Advises on kind and quality of urological surgery services with other medical activities. Instructs interns and residents in urological surgery procedures. Serves as consultant on urology.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 45U3, completion of a residency or fellowship in urology acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 45U3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Pediatrics
B	Oncology

INTRODUCTION

NURSE UTILIZATION FIELD (46XX)

The Nurse Utilization Field encompasses the functions of planning, organizing, controlling, coordinating, executing, and evaluating nursing activities. This includes providing direct care for patients; supervising auxiliary nursing service personnel; participating in education and training activities; and research for the improvement of patient care. The field also includes participation in administering anesthetics; assisting with surgical procedures; flight nursing activities; environmental health nursing activities; nurse-midwifery; and other expanded roles in providing care of obstetrics-gynecology, pediatric or other patients in an ambulatory setting.

AFSC 46F1 or AFSC 46F3 may be awarded as duty AFSC, but on completion of flying duties will be retained as a second or third AFSC. The following is a complete listing of AFSCs for the Nurse Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
NURSE	46A4 46A3 46A1	Nursing Administrator
	46F4 46F3 46F1	Flight Nurse
	46G4 46G3 46G1	Nurse-Midwife
	46M4 46M3 46M1	Nurse Anesthetist
	+46N4* +46N3* +46N1*	Clinical Nurse A - Women's Health Care Nurse Practitioner B - Pediatric Nurse Practitioner C - Adult/Primary Care Nurse Practitioner D - Staff Development E - Critical Care F - Neonatal Intensive Care G - Obstetrical H - Family Nurse Practitioner
	+46P4* +46P3* +46P1*	Mental Health Nurse A - Mental Health Nurse Specialist
	46S4 46S3 46S1	Operating Room Nurse

Staff AFSC 46A4
Qualified AFSC 46A3
Entry AFSC 46A1

NURSING ADMINISTRATOR

1. Specialty Summary. Plans, organizes, executes, and directs nursing care practices and activities of medical treatment facilities. Serves as staff officer to command surgeon or Surgeon General, HQ USAF, and administers nursing educational program, department, or school. Related DoD Occupational Group: 6E.

2. Duties and Responsibilities:
2.1. Directs nursing service activities in treatment facilities. Plans, initiates, and directs execution of nursing activities. Evaluates qualification and maintains functional control of Air Force Nurse Corps officers, civilian nurses, and ancillary nursing personnel in establishing and maintaining optimum standards of nursing care to patients. Advises medical treatment facility commander on nursing matters, and interprets and directs implementation of commander's policy relating to nursing. Plans and directs assignment and training of professional and nonprofessional nursing personnel. Provides staff development programs for all levels of nursing personnel. Supports and coordinates with those responsible for educational programs for other than assigned nursing personnel in the medical treatment facility. Evaluates performance of nursing service personnel and standards of nursing care and nursing activities. Facilitates and participates in nursing research. Makes recommendation to commander on administrative matters concerning Nurse Corps officers and other nursing service personnel.
2.2. Performs staff officer duties. Serves as advisor to the Surgeon General, HQ USAF, or command surgeon on matters pertaining to nursing. Reviews, recommends changes, and assists in development of regulations, procedures, equipment lists, guides, manuals, and other matters pertaining to nursing. Participates or assists in development and implementation of command programs and technical inspections. Serves with interdisciplinary teams in studies, consultative visits, and evaluative surveys within the range of Air Force Medical Service activities. Represents nursing interests, concerns, and support in health care planning, training, and research.
2.3. Administers educational programs, departments, services, or schools. Plans and directs instructional activities designed to meet objectives and purposes established by the Air Force Medical Service. Assists in setting criteria for selection of faculty, orients newly assigned faculty, evaluates performance, and provides supervisory guidance and staff development programs. Reviews, recommends changes, and assists in development of curriculum, programs of instruction, and evaluation tools. Has responsibility for planning materiel and personnel requirements and initiating requests for support to ensure accomplishment of the training mission. Coordinates activities and maintains effective liaison with other military units, commands, and civilian agencies that participate, collaborate, or cooperate in the educational program.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: Air Force contingency plans, objectives, principles, and methods; nursing service management principles; and nursing service practices.
3.2. Education. The following education requirements are mandatory for entry into this specialty.
3.2.1. Graduation from an accredited school of nursing acceptable to the Surgeon General, HQ USAF.
3.2.2. Bachelor's degree, preferably in nursing, management, social or behavioral sciences, or education.
3.3. Training. Not used.
3.4. Experience. The following experience is mandatory for award of the AFSC indicated:
3.4.1. 46A1. A minimum of 7 years' nursing experience which has provided opportunities to refine competencies in nursing practice and to apply leadership principles.
3.4.2. 46A3. A minimum of 12 months' demonstrated proficiency as a nurse administrator.
3.5. Other. Not used.

Staff AFSC 46F4
Qualified AFSC 46F3
Entry AFSC 46F1

FLIGHT NURSE

1. Specialty Summary. Provides comprehensive nursing care for all types of patients during aeromedical evacuation and airlift flights. Related DoD Occupational Group: 6E.

2. Duties and Responsibilities:
2.1. Performs as a senior medical member of the aeromedical evacuation team. Functions as a senior medical member of the aeromedical evacuation team in domestic, strategic and tactical aeromedical evacuation or airlift systems. Provides for inflight management and nursing care for all types of patients. Informs agencies and personnel concerned of unusual changes in patients' conditions or conduct of the mission.
2.2. Plans and prepares for aeromedical evacuation missions. Coordinates with the operational aircrew and pre-plans missions. Prepares patient positioning plan to facilitate patient enplaning, nursing care, comfort, and safety. Evaluates individual patient's inflight needs and requests appropriate medications, supplies, and equipment. Supervises enplaning and securing of patients, aeromedical supplies, and equipment. Prepares and maintains plan for patient evacuation from aircraft in case of an aircraft emergency.
2.3. Plans and provides inflight patient care. Provides continuing nursing care for all types of patients on an aeromedical evacuation or airlift mission from originating to terminating facility. Continuously evaluates patient's condition and reactions to stresses and physiological changes due to flight and altitude. Initiates appropriate action in management of patient's symptoms arising from the above stresses and disease. Acts as liaison between medical and operational aircrews and support personnel in order to promote patient comfort and to expedite the mission. Maintains and annotates inflight patient records. Maintains and completes data on forms relative to the mission. Supervises deplaning of patients and off-loading of patient baggage, supplies, and equipment. Briefs medical personnel at receiving medical facility on continuing nursing care and requirements. Accompanies patient to receiving medical facility when appropriate.
2.4. Provides emergency care. Initiates emergency treatment in the absence of a physician for inflight medical emergencies. Provides emergency care of patients in the event of an aircraft emergency, that is, crash landing, ditching, rapid decompression, or fuselage fire.
2.5. Participates in nursing service administration. Participates in the administration of inflight medical care sections, to include observing performance of inflight nursing care routines and nursing practices, and evaluating quality of inflight nursing care.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: special aeromedical supplies and equipment in management of inflight emergencies that provide for patient comfort and safety; and principles and practices of nursing including the implications of drug therapy and the effects of altitude. The knowledge requirement is satisfied by completion of the mandatory flight nurse course and represents full qualification.
3.2. Education. For entry into this specialty, graduation from an accredited school of nursing acceptable to the Surgeon General, HQ USAF, is mandatory.
3.3. Training. For award of AFSC 46F1, completion of the flight nurse course is mandatory.
3.4. Experience. For award of AFSC 46F3, a minimum of 12 months' assignment is mandatory to an aeromedical evacuation unit and at least 100 hours of flying time logged as a flight nurse. It is mandatory that experience include all phases of flight nursing techniques and management such as planning for aeromedical evacuation missions and providing for in-flight patient care.
3.5. Other. For entry into this specialty, physical qualification for flying duty according to AFMAN 48-123, *Medical Examination and Medical Standards*, Class III medical standards, is mandatory.

Staff AFSC 46G4
Qualified AFSC 46G3
Entry AFSC 46G1

NURSE-MIDWIFE

1. Specialty Summary. Manages and cares for selected patients throughout the maternity cycle, under the direction of the chief obstetrician/gynecologist. Related DoD Occupational Group: 6E.

2. Duties and Responsibilities:
2.1. Formulates and provides comprehensive care to selected maternity patients. Prepares case histories and obtains data through interviews. Cares for expectant mother during antepartum, examining and evaluating condition and providing instruction to help maintain healthy progress. Provides physical and emotional support during intrapartum phase; manages patients anticipated to have an uncomplicated labor and delivery. Cares for postpartum patient, recognizing problems, and intervening as required to promote optimum progress. Administers medications and treatments within delineated parameters. Institutes lifesaving emergency measures pending obstetrician's arrival.
2.2. Provides care to infant. Gives immediate attention to newborn infant, evaluating condition and instituting emergency measures, if necessary. Counsels parents on normal growth and development of infant, providing guidance and encouraging acceptable health practices.
2.3. Evaluates minor gynecological conditions and identifies needs that can be met by nurse-midwife. Performs physical examination to detect disease processes. Provides family planning counseling and various methods of birth control. Promotes optimum family health practices.
2.4. Provides expertise for consultation and teaching. Gives specialized nursing care in coordination with other members of the health care team. Counsels and guides both patients and personnel; serves as an effective role model; and participates in staff development programs.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: theory and skills of nurse-midwifery.
3.2. Education. The following education is mandatory as indicated:
3.2.1. For entry into this specialty, graduation from an accredited school of nursing acceptable to the Surgeon General, HQ USAF.
3.2.2. For award of AFSC 46G3, completion of an approved course in nurse-midwifery acceptable to the Surgeon General, HQ USAF.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 46G3, a minimum of 12 months' experience is mandatory in nurse-midwife assignments. Completion of nurse-midwifery course may be substituted for the 12 months experience requirement.
3.5. Other. For award of AFSC 46G3, certification by the American College of Nurse-Midwives is mandatory.

Staff AFSC 46M4
Qualified AFSC 46M3
Entry AFSC 46M1

NURSE ANESTHETIST

1. Specialty Summary. Administers anesthetic agents to patients, performs other specialized nursing duties, and manages anesthesia department under the direction of a medical officer. Related DoD Occupational Group: 6E.

2. Duties and Responsibilities:
2.1. Monitors and supervises management of patient anesthesia experience. Performs preoperative evaluations and preparations. Administers anesthetics; monitors patient reactions to anesthesia and surgery. Advises anesthesiologist and appropriate physician of adverse reactions necessitating nondelegated medical decisions; takes appropriate actions as directed or required. Manages fluid therapy. Provides or supervises postoperative recovery care, performs postoperative follow-up and patient evaluation, and maintains records.
2.2. Provides services or supervision of services in support of patients with respiratory care requirements. Functions as a team member in cardiopulmonary resuscitation. Serves as a resource person and assists with the training of personnel in venapuncture and intravenous therapy, respiratory care, cardiopulmonary resuscitation, and anesthesia.
2.3. Manages the anesthesia department. Maintains supply of anesthesia drugs and equipment. Ensures cleanliness and maintenance of anesthesia equipment.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: anesthesia principles, practices, agents, and equipment.
3.2. Education. The following education is mandatory as indicated:
3.2.1. For entry into this specialty, graduation from an accredited school of nursing acceptable to the Surgeon General, HQ USAF.
3.2.2. For award of AFSC 46M3, completion of a program in anesthesiology for nurses accredited by the Council on Accreditation of Nurse Anesthesia Programs.
3.3. Training. Not used.
3.4. Experience. Not used.
3.5. Other. For award of AFSC 46M3, certification by the Council on Certification of Nurse Anesthetists is mandatory.

Staff AFSC 46N4*
Qualified AFSC 46N3*
Entry AFSC 46N1*

CLINICAL NURSE
(Changed 30 Apr 97)

1. Specialty Summary. Plans, implements, and evaluates nursing care for all types of patients. Within scope of capability, provides specialized care, consultation, and teaching, and conducts research. Related DoD Occupational Group: 6E.

2. Duties and Responsibilities:
2.1. Plans comprehensive nursing care for patients. Renders comprehensive care to medical, surgical, maternal, pediatrics, orthopedics, and other special category patients. Collects and records data pertaining to patient health status. Uses patient data to determine nursing diagnoses and prepare nursing care plans to meet patient needs. Establishes goals with the patient that are congruent with other planned therapies.
2.2. Implements nursing care plans. Initiates nursing actions designed to promote, maintain, and restore patient's well being. Involves patient and families in plan. Applies scientific knowledge to resolve problems related to physical, physiological, psychological, or social behavior. Incorporates teaching and learning activities into action plan. Continually reassesses and records patient's status and nursing actions to determine patient's progress toward goals. Establishes new priorities or goals.
2.3. Provides teaching and consultation, and conducts research. Conducts health teaching and instructs patient and family in care relevant to individual condition. Serves as an effective role model and provides guidance and counseling. Participates in staff development program. Reviews and studies case histories, analyzes data, and participates in investigative programs on new techniques and methodology for improving the health and effectiveness of patients.
2.4. Manages nursing units. Provides adequate staffing and supervision of individual nursing units. Encourages staff development through instruction, selected assignments, evaluation, and counseling. Coordinates activities with the department of nursing and other departments responsible for aspects of care to provide optimum patient support.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: principles and practices of nursing.
3.2. Education. The following education is mandatory as indicated:
3.2.1. For entry into this specialty, graduation from an accredited school of nursing acceptable to the Surgeon General, HQ USAF.
3.2.2. For entry into AFSC 46N1D, a bachelor's degree in nursing.
3.2.3. For a nurse clinical specialist, a master's degree.
3.3. Training. The following training is mandatory for award of the AFSC indicated:
3.3.1. Completion of an Air Force instructor training course is desirable for personnel performing suffix D duties.
3.3.2. For award of AFSC 46N1A/B/C/H, completion of a nurse practitioner course approved by the Surgeon General, HQ USAF, is mandatory.
3.3.3. Completion of a training program acceptable to the Surgeon General, HQ USAF, is mandatory in critical care (adult), neonatal intensive care, or obstetrics (labor and delivery, antepartum, postpartum) for award of fully qualified AFSC 46N3E/F/G.
3.4. Experience. The following experience is mandatory as indicated:
3.4.1. For award of AFSC 46N3/N3X, a minimum of 12 months' in clinical or specialty nursing. Civilian clinical nursing experience or time spent in the Air Force Nurse Internship Program is creditable toward award of the qualified AFSC.
3.4.2. For award of AFSC 46N3D, a minimum of 24 months' clinical nursing, including 12 months as a staff development officer.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award of AFSC 46N3A, certification by the National Certification Corporation for the Obstetric, Gynecologic, and Neonatal Nursing Specialties.
3.5.2. For award of AFSC 46N3B, certification by either American Nurses Credentialing Center or National Certification board of Pediatric Nurse Practitioners and Nurses.
3.5.3. For award of AFSC 46N3C, certification by the Air Force Nurse Practitioner Certification Committee or the American Nurses Credentialing Center.
3.5.4. For entry into AFSCs 46N1E/F/G, possession of, or qualification for award of AFSC 46N3.
3.5.5. For award of AFSC 46N3H, certification by the American Nurses Credentialing Center.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Women's Health Care Nurse Practitioner
B	Pediatric Nurse Practitioner
C	Adult/Primary Care Nurse Practitioner
D	Staff Development - Plans, coordinates, conducts, and evaluates educational programs for nursing service personnel
E	Critical Care
F	Neonatal Intensive Care
G	Obstetrical
H	Family Nurse Practitioner

Staff AFSC 46P4*
Qualified AFSC 46P3*
Entry AFSC 46P1*

MENTAL HEALTH NURSE

1. Specialty Summary. Provides nursing care to individuals with mental health problems; promotes mental health principles through consultation, teaching, supervision, research, and clinical practice. Manages mental health nursing services. Related DoD Occupational Group: 6E.

2. Duties and Responsibilities:
2.1. Provides mental health nursing care. Utilizing a broad theoretical foundation, assesses biopsychosocial needs. Discriminates between normal and abnormal variations in personality development and human behavior. Creates a therapeutic milieu; provides psychotherapy to individuals, families and groups. Identifies community resources and guides individuals and families in their use as appropriate. Participates as a member of an interdisciplinary team in providing comprehensive mental health services. Monitors patients undergoing detoxification from alcohol and drugs.
2.2. Provides for professional growth of self and others. Conducts continuing education for both professional and paraprofessional personnel; broadens knowledge and improves skills through formal and continuing education programs. Encourages, conducts, and utilizes nursing research as appropriate to professional training and expertise.
2.3. Provides for professional growth of self and others. Provides leadership and clinical assistance to other nursing personnel. Serves as an effective role model. Encourages staff participation in community programs directed toward the promotion of mental health. Attends and encourages staff attendance at continuing education programs. Manages patient care unit and clinic activities. Participates in clinical care planning conferences. Counsels, supervises, and evaluates nursing personnel. Provides for appropriate staff assignments. Participates in investigating new techniques and methodology for improving health care.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: mental health nursing process, individual and family dynamics in health and during illness; therapy skills in individual, and group modalities; and theories of personality development, human behavior, psychopathology, diagnoses, chemotherapy, psychotherapies and physiological response to alcohol and drug abuse withdrawal.
3.2. Education. The following education is mandatory as indicated:
3.2.1. For entry into this specialty, graduation from an accredited school of nursing acceptable to the Surgeon General, HQ USAF.
3.2.2. For award of AFSC 46P3A, a Master's degree in psychiatric or mental health nursing.
3.3. Training. Not used.
3.4. Experience. The following experience is mandatory as indicated:
3.4.1. For award of AFSC 46P3, a minimum of 12 months' in mental health nursing assignments, including work with patients in individual and group therapy.
3.4.2. For award of AFSC 46P3A, a minimum of 24 months' in mental health nursing, 12 months of which must be on active duty in the Air Force.
NOTE: Time spent in completion of postgraduate courses in mental health nursing is creditable toward experience requirements.
3.5. Other. For entry, award, and retention of this AFSC, ability to communicate effectively, orally and in writing, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Mental Health Nurse Specialist

Staff AFSC 46S4
Qualified AFSC 46S3
Entry AFSC 46S1

OPERATING ROOM NURSE

1. Specialty Summary. Plans, directs, and coordinates activities of the Operating Room Department. Maintains optimum standards of nursing practice for continuity of patient care through preoperative assessment and planning, operative implementation, and postoperative evaluation. Related DoD Occupational Group: 6E.

2. Duties and Responsibilities:
2.1. Prepares and maintains operating room for all surgical procedures. Establishes and utilizes a checklist to monitor the physical plan of the operating room and equipment for conformity to all national standards for providing safety for the patient and all personnel. Provides the type and quantity of material and special equipment needed for daily procedures and possible emergencies. Circulates and scrubs for surgical procedures. Responds to surgical emergency requirements such as cardiac, pulmonary, or respiratory failure and hemorrhage.
2.2. Maintains open communication lines, both intradepartmentally and interdepartmentally, to provide for total needs of the patient. Conducts preoperative and postoperative visits. Discusses operative procedures with patients and informs them of what to expect during surgery. Consults with the operating surgeon and establishes priorities of care for each patient entering the operating suite. Coordinates with other hospital units, which include recovery room, intensive care, obstetrics, and nursing units, on patients progress and any special equipment or supplies that will be needed for the patient returning from surgery.
2.3. Manages operating room activities. Directs and instructs personnel in preparing sterilizing and caring for operating room equipment and supplies. Supervises central sterile supply service activities. Maintains concise and complete records and reports. Provides an ongoing, in-service education program to continually update knowledge and skills of all assigned operating room nursing personnel.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: operating room techniques and management.
3.2. Education. For entry into this specialty, graduation from an accredited school of nursing acceptable to the Surgeon General, HQ USAF, is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 46S3, a minimum of 12 months' experience is mandatory in operating room assignments. Experience must include all phases of operating room technique and management such as preparing operating room units, preparing patients for surgery, and assisting medical officer during surgery; and conducting instrument and equipment sterilization procedures.
NOTE: Time spent completing postgraduate courses in operating room technique and management is creditable toward experience requirements.
3.5. Other. Not used.

DENTAL UTILIZATION FIELD (47XX)

Introduction

The Dental Utilization Field encompasses functions of program formulation, policy planning, and direction of professional dental services to ensure comprehensive programs to continuously improve prevention and treatment of dental disease to ensure maximum personnel wartime readiness and combat capability. This field includes general dentistry, oral surgery, clinics and laboratories, conducting dental investigations, providing professional aspects of postgraduate courses and graduate training, and supervisory responsibilities.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
DENTAL	47B4 47B3 47B1	Orthodontist
	47D4 47D3 47D1	Oral and Maxillofacial Pathologist
	47E4 47E3 47E1	Endodontist
	+47G4* +47G3* +47G1*	Dentist A - Comprehensive B - Advanced Clinical C - General Clinical D - Public Health E - Dental Materials Sciences F - Oral & Maxi Radiology G - Temporomandibular Disorders H - Hospital Dentistry
	47H4 47H3 47H1	Periodontist
	47K4 47K3 47K1	Pediatric Dentist
	+47P4* +47P3* +47P1*	Prosthodontist A - Maxillofacial Prosthetics B - Area Dental Laboratory C - Dental Materials
	+47S4* +47S3* +47S1*	Oral and Maxillofacial Surgeon A - Temporomandibular Joint B - Facial Esthetics C - Maxillofacial Reconstruction

Staff AFSC 47B4
Qualified AFSC 47B3
Entry AFSC 47B1

ORTHODONTIST

1. Specialty Summary. Examines, diagnoses, and treats irregularities and malocclusions of teeth and malrelations of jaws. Directs orthodontic service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats irregularities, and malocclusion of teeth and malrelation of jaws. Examines patients and interprets and evaluates radiographs, models, and clinical photographs to determine nature and extent of deficiencies caused by irregularly positioned teeth and malrelations of the jaws. Evaluates findings and determines types of appliances to move and guide teeth and jaws into proper positions and relationships. Provides consultation services.
2.2. Directs orthodontic service. Formulates and implements procedures for operation of orthodontic service. Determines equipment, material, and personnel required for performance of treatment and construction of corrective appliances. Coordinates orthodontic service with other dental and medical services. Prepares diagnostic and treatment records. Instructs dental officers and technical assistants in orthodontic procedures and techniques.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and training requirement satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47B3, completion of a residency in orthodontics, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. Not used.

Staff AFSC 47D4
Qualified AFSC 47D3
Entry AFSC 47D1

ORAL AND MAXILLOFACIAL PATHOLOGIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines and diagnoses pathologic conditions of the oral and paraoral tissues and structures. Directs oral and maxillofacial pathology service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Determines nature and extent of oral diseases and abnormal growths. Conducts gross and microscopic examinations of oral, maxillofacial and paraoral tissues and structures. Determines types of tests or examinations and evaluates results to diagnose the nature and progress of diseases. Provides consultation services. Serves as member of local hospital boards and committees appropriate to specialty.
2.2. Directs oral and maxillofacial pathology service. Formulates and implements procedures for operation of oral and maxillofacial pathology service. Determines equipment, material, and personnel required to accomplish diagnostic tests and examination. Plans work schedules for laboratory personnel. Coordinates oral and maxillofacial pathology service with other dental and medical services. Instructs dental officers and laboratory personnel in oral and maxillofacial pathology procedures and techniques.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and training requirement satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47D3, completion of a residency in oral and maxillofacial pathology, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. Not used.

Staff AFSC 47E4
Qualified AFSC 47E3
Entry AFSC 47E1

ENDODONTIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats diseases and destructive processes, including injuries and abnormalities of dental pulps and periapical tissues of teeth. Directs endodontic services. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases of dental pulps and periapical tissues of teeth. Examines patients and interprets radiographs and pulp tests to determine pulp vitality and periapical tissue condition. Evaluates findings and prescribes method of treatment to prevent loss of teeth and to restore teeth to function. Performs pulpal therapy, surgical treatment of radicular areas, and removal of pathologic periapical tissue. Provides consultation services.
2.2. Directs endodontic service. Formulates and implements procedures governing administration of endodontic service. Plans and schedules endodontists and technical assistants to perform endodontic treatment. Coordinates endodontic services with other dental and medical services. Instructs dental officers and technical assistants in endodontic procedures and techniques.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and training requirement satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47E3, completion of a residency in endodontics, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. Not used..

Staff AFSC 47G4*
Qualified AFSC 47G3*
Entry AFSC 47G1*

DENTIST

1. Specialty Summary. Examines, diagnoses, and treats diseases, abnormalities, injuries, and dysfunctional disorders of the oral cavity and its associated structures. Administers dental service policy, including establishing and maintaining dental health standards. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses and treats disease, abnormalities, injuries and dysfunctional disorders of the oral cavity and its associated structures. Examines patients and interprets radiographs and diagnostic tests to determine type and extent of dental diseases and disabilities or dysfunctions. Evaluates findings and prescribes type, extent, and order of treatment. Refers nondental problems to appropriate medical specialty. Restores health and function of carious, fractured, otherwise defective teeth. Performs routine preventive, periodontal, oral surgery, endodontic, and prosthodontic treatment. Provides consultation services.
2.2. Directs dental activities. Formulates and implements procedures for operation of base dental service. Determines requirements for material, equipment, facilities, and personnel to accomplish mission of unit. Coordinates dental activities with medical service. Instructs dental officers and technical assistant in professional and administrative functions of dental service.
2.3. Performs comprehensive dental functions. Performs complex dental treatment procedures in the absence of specialist. May serve as training director or instructor for general dentistry residency programs.
2.4. Manages and administers dental service policies and programs. Drafts policies covering dental health standards. Provides guidance for the implementation of comprehensive programs to continuously improve prevention and treatment of dental disease to ensure maximum personnel wartime readiness and combat capability. Determines resource requirements for dental clinics and laboratories.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and training requirement satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For award of AFSC 47G3, fulfillment of the education requirement satisfies this requirement.
3.3.2. For award of AFSC 47G3A, completion of a minimum of a 2 year residency in general dentistry, acceptable to the Surgeon General, HQ USAF.
3.3.3. For award of AFSC 47G3B, completion of the USAF Advanced Clinical Dentistry Program.
3.3.4. For award of AFSC 47G3C, completion of the USAF Advanced Education in General Dentistry (AEGD) residency program or equivalent acceptable to the Surgeon General, HQ USAF.
3.3.5. For award of AFSC 47G3D, completion of a 2 year residency in dental public health.
3.3.6. For award of AFSC 47G3E, completion of a dental materials residency/fellowship, acceptable to the Surgeon General, HQ USAF.
3.3.7. For award of AFSC 47G3F, completion of an oral and maxillofacial radiology residency/fellowship, acceptable to the Surgeon General, HQ USAF.
3.3.8. For award of AFSC 47G3G, completion of a temporomandibular disorders residency/fellowship, acceptable to the Surgeon General, HQ USAF.
3.3.9. For award of AFSC 47G3H, completion of a hospital dentistry residency/fellowship, acceptable to the Surgeon General, HQ USAF.
3.4. Experience. Not used.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Comprehensive
B	Advanced Clinical
C	General Clinical
D	Public Health
E	Dental Materials
F	Oral and Maxillofacial Radiology
G	Temporomandibular Disorders

Staff AFSC 47H4
Qualified AFSC 47H3
Entry AFSC 47H1

PERIODONTIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats diseases and destructive processes of investing hard and soft tissues of teeth. Supports the dental health program. Directs periodontic service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases of investing hard and soft tissues of teeth. Examines patients and interprets radiographs to assist in determining extent of tissue breakdown. Evaluates findings and conducts treatment. Corrects defects of occlusion. Prescribes and administers medications in treatment of diseases and infection of the oral cavity. Instructs patients in oral hygiene and dental preventive measures. Provides consultation services.
2.2. Directs the periodontic service, supports oral health programs. Formulates and implements procedures governing operation of the periodontic service. Plans and schedules work assignments for periodontists and technical assistants involved in treating diseases of investing tissues and providing oral hygiene instruction. Instructs dental officers and technical assistants in preventive dental protocols and techniques. Works with Dental Health Officer in coordinating the total dental health program at base level.

3. Special Qualifications:
3.1. Knowledge. Fulfillment of the education and training requirements satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47H3, completion of a residency in periodontics, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. Not used.

Staff AFSC 47K4
Qualified AFSC 47K3
Entry AFSC 47K1

PEDIATRIC DENTIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats diseases, abnormalities, injuries and dysfunctional disorders of the oral cavity and its associated structures in children. Directs pediatric dentistry service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases, abnormalities, injuries, and dysfunctional disorders of the oral cavity and its associated structures in children. Examines child patients and interprets radiographs and diagnostic tests to determine type and extent of dental diseases and disabilities or dysfunctions. Evaluates findings and prescribes type, extent, and order of treatment required. Restores health and function of carious, fractured, or otherwise defective teeth. Provides behavior management techniques. Performs oral surgery, endodontic, prosthodontic, and interceptive orthodontic treatment on children. Provides consultation services.
2.2. Directs the pediatric dentistry service. Formulates and implements procedures governing operation of the pediatric dentistry service. Determines equipment, material, and personnel required to accomplish treatment of children. Coordinates with other dental and medical services. Instructs dental officers and technical assistants in pediatric dentistry procedures and techniques.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education and training requirements satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47K3, completion of a residency in pediatric dentistry, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. Not used.

Staff AFSC 47P4
Qualified AFSC 47P3
Entry AFSC 47P1

PROSTHODONTIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines and diagnoses disabilities incident to loss of teeth and supporting structures; formulates and executes treatment plans for the construction of corrective prostheses to restore proper mastication, phonetics and facial contour. Directs prosthodontic service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines and diagnoses disabilities caused by loss of teeth and supporting structures; formulates and executes treatment plan for construction of corrective prostheses. Examines patients to determine requirement and type of dental prosthesis. Analyzes jaw relationships and movement and formulates required treatment plan. Constructs removable, fixed, and maxillofacial prosthodontic restorations. Provides consultation services.
2.2. Directs the prosthodontic service. Formulates and implements procedures governing the operation of the prosthodontic service including dental laboratory. Determines personnel, equipment, material, and facility requirements for the operation of the prosthodontic service. Plans work assignments for prosthodontists, technical assistants, and laboratory technicians for treating patients and constructing prosthodontic restorations. Coordinates prosthodontic service with other dental and medical services. Instructs dental officers, technical assistants, and laboratory technicians in prosthodontic procedures and techniques.

3. Specialty Qualification:
3.1. Knowledge. Fulfillment of the education and training requirements satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47P3, completion of a residency in prosthodontics, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. For award of AFSC 47P3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. ***Specialty Shredouts**

Suffix	*Portion of AFS to Which Related*
A.	Maxillofacial Prosthetics
B	Area Dental Laboratory
C	Dental Materials

Staff AFSC 47S4*
Qualified AFSC 47S3*
Entry AFSC 47S1*

ORAL AND MAXILLOFACIAL SURGEON
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats by surgical means abnormalities of oral and maxillofacial structures. Directs oral and maxillofacial surgery service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats by surgical means abnormalities and injuries of oral and maxillofacial structures. Examines patients and interprets and evaluates radiographs of facial structures to determine nature and extent of abnormalities and injuries of jaws and adjacent bones and tissues. Prescribes and performs type of surgery and fixation required in treatment. Administers or supervises the administration of general anesthetics. Performs oral surgical operations to remove infected, impacted, or malposed teeth, to prepare jaws for prosthodontic appliances, and to remove abnormal growths, cysts, and foreign bodies from jaws and oral structures. Applies fixation apparatus for fractures of jaws and adjacent bones. Prescribes preoperative and postoperative care. Prepares diagnostic and treatment records. Provides consultation services.
2.2. Directs oral surgical service. Formulates and implements procedures governing administration of oral surgical service. Plans and schedules cases and assigns oral surgeons and technical assistants required to perform surgical treatment. Determines material and equipment requirements for operation of oral surgery service. Coordinates with other dental and medical services. Instructs dental officers and technical assistants in oral surgical procedures and techniques.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education and training requirements satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47S3, completion of a residency in oral and maxillofacial surgery, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. For award of AFSC 47S3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. ***Specialty Shredouts:**

Suffix Position of AFS to Which Related

A ..... Temporomandibular Joint
B..... Facial Esthetics
C.....Maxillofacial Reconstruction

INTRODUCTION

AEROSPACE MEDICINE UTILIZATION FIELD (48XX)

The Aerospace Medicine Utilization Field covers the functions of program formulation, policy planning, direction, and professional participation pertinent to maintenance and improvement of health standards and aerospace medicine. Included in this field are aerospace medicine specialists, occupational medicine specialists, family practice specialists (flight surgeon), aerospace medicine physician, and preventive medicine specialist. Included in this field are the responsibilities for determination of physical and mental fitness of personnel for flying and for prevention, diagnosis, and treatment of diseases, disorders, and injuries peculiar to flight. This field also includes responsibilities for the development of plans and procedures covering the medical aspects of defense against nuclear, biological, and chemical warfare. Officers in this field command medical installations, units, or activities as stated in AFI 51-604, *Appointments to, and Assumption of, Command*.
The following is a complete listing of AFSCs for the Aerospace Medicine Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
AEROSPACE MEDICINE	48A4 48A3 48A1	Aerospace Medicine Specialist
	48E4 48E3 48E1	Occupational Medicine Specialist
	48F4 48F3 48F1	Family Practice Specialist
	48G4 48G3 48G1	Aerospace Medicine Physician
	48P4 48P3 48P1	Preventive Medicine Specialist

Staff AFSC 48A4
Qualified AFSC 48A3
Entry AFSC 48A1

AEROSPACE MEDICINE SPECIALIST

1. Specialty Summary. Administers aerospace medicine program; conducts medical examinations and provides medical care for flyers, missile crews, and others with special standards of medical qualification. Evaluates living and working environments to detect and control health hazards and prevent disease and injury within the Air Force community. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Provides aerospace medicine support. Develops policies and procedures and prepares directives governing flight medicine, preventive medicine, and occupational medicine. Serves as liaison with federal, state, and local agencies in matters related to aerospace medicine, preventive medicine, and occupational medicine. Establishes medical standards for flying personnel and determines recommendations on waivers of medical standards. Develops programs for medical support of contingency operations.
2.2. Provides preventive medicine support. Directs health education and control measures for preventable diseases and injuries. Determines adequacy of living and work environments. Develops and implements research projects to control communicable and preventable diseases. Provides advice on nutrition, food service sanitation, water supply safety, sewage and waste disposal, immunizations, and health education.
2.3. Advises medical staff. Advises medical and dental staff on treatment of flying personnel and preparation of patients for aeromedical evacuation. Provides medical advice and guidance to bioenvironmental engineering, military public health, physiological training, and others.
2.4. Provides occupational medicine support. Determines frequency and scope of occupational medicine exams required by federal regulations and workplace exposures. Conducts and supervises placement and periodic health exams for employees. Establishes procedures to identify occupational hazards, to notify appropriate agencies of occupational diseases or injuries, and to investigate job related injuries or illness.
2.5. Conducts medical examinations of personnel with special standards of medical care. Examines personnel requiring special medical care standards to determine fitness for flying and special duties, or to recommend continuance, removal, or return to flying status and aviation service.
2.6. Provides family practice functions and medical care for flyers and their families, and obtains medical consultations. Manages disorders and injuries peculiar to flight. Serves as liaison between flying squadrons and medical services.
2.7. Provides medical support to operational mission and serves as staff advisor to flying squadron commander. Regularly participates in flying mission to observe and advise on aeromedical problems. Develops and manages an aggressive preventive medicine program, including education of flying personnel in healthy life styles. Establishes procedures for managing casualties in aviation accidents and other disasters. Provides advice on air rescue and aeromedical evacuation. Serves on aviation mishap investigation boards.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and experience requirements satisfies this requirement.
3.2. Education. For entry into this specialty, it is mandatory to possess a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy, a Master's degree or equivalent in public health, and complete 1 year of graduate medical education in a clinical specialty at a hospital acceptable to the Surgeon General, HQ USAF.
3.3. Training. For award of AFSC 48A1, completion of a primary course in aerospace medicine is mandatory.
3.4. Experience. For award of AFSC 48A3, a minimum of 12 months' experience is mandatory.
3.5. Other. For award of AFSC 48A3, it is mandatory to possess an aeronautical rating of Flight Surgeon, Senior Flight Surgeon, or Chief Flight Surgeon.

Staff AFSC 48E4
Qualified AFSC 48E3
Entry AFSC 48E1

OCCUPATIONAL MEDICINE SPECIALIST

1. Specialty Summary. Administers aerospace medicine program; conducts medical examinations and provides medical care for flyers, missile crews, and others with special standards of medical qualification. Evaluates living and working environments to detect and control health hazards and prevent disease and injury within the Air Force community. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Provides occupational medicine support. Determines frequency and scope of occupational medicine exams required by federal regulations and work place exposures. Conducts and supervises placement and periodic health exams for employees. Establishes procedures to identify occupational hazards, to notify appropriate agencies of occupational diseases or injuries, and to investigate job related injuries or illness.
2.2. Provides preventive medicine support. Directs health education and control measures for preventable diseases and injuries. Determines adequacy of living and work environments. Develops and implements research projects to control communicable and preventable diseases. Provides advice on nutrition, food service sanitation, water supply safety, sewage and waste disposal, immunizations, and health education.
2.3. Advises medical staff. Advises medical and dental staff on treatment of flying personnel and preparation of patients for aeromedical evacuation. Provides medical advice and guidance to bioenvironmental engineering, military public health, physiological training, and others.
2.4. Provides aerospace medicine support. Develops policies and procedures and prepares directives governing flight medicine, preventive medicine, and occupational medicine. Services as liaison with federal, state, and local agencies in matters related to aerospace medicine, preventive medicine, and occupational medicine. Establishes medical standards for flying personnel and determines recommendations on waivers of medical standards. Develops programs for medical support of contingency operations.
2.5. Conducts medical examinations of personnel with special standards of medical care. Examines personnel requiring special medical care standards to determine fitness for flying and special duties, or to recommend continuance, removal, or return to flying status and aviation service.
2.6. Provides family practice functions and medical care for flyers and their families, and obtains medical consultations. Manages disorders and injuries peculiar to flight. Services as liaison between flying squadrons and medical services.
2.7. Provides medical support to operational mission and serves as staff advisor to flying squadron commander. Regularly participates in flying mission to observe and advise on aeromedical problems. Develops and manages an aggressive preventive medicine program, including education of flying personnel in healthy life styles. Establishes procedures for managing casualties in aviation accidents and other disasters. Provides advice on air rescue and aeromedical evacuation. Serves on aviation mishap investigation boards.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and experience requirements satisfies this requirement.
3.2. Education. For entry into this specialty, it is mandatory to possess a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy, a Master's degree or equivalent in public health, and complete 1 year of graduate medical education in a clinical specialty at a hospital acceptable to the Surgeon General, HQ USAF.
3.3. Training. For award of AFSC 48E1, completion of a primary course in aerospace medicine is mandatory.
3.4. Experience. For award of AFSC 48E3, a minimum of 12 months' experience and completion of a residency or fellowship in occupational medicine acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 48E3, it is mandatory to possess an aeronautical rating of Flight Surgeon, Senior Flight Surgeon, or Chief Flight Surgeon.

Staff AFSC 48F4
Qualified AFSC 48F3
Entry AFSC 48F1

FAMILY PRACTICE SPECIALIST

1. Specialty Summary. Administers aerospace medicine program; conducts medical examinations and provides medical care for flyers, missile crews, and others with special standards of medical qualification. Evaluates living and working environments to detect and control health hazards and prevent disease and injury within the Air Force community. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Provides continuing comprehensive health maintenance and medical care to entire family regardless of sex, age, or type of problem. Directs outpatient and inpatient care and service.
2.2. Provides family practice functions and medical care for flyers and their families, and obtains medical consultations. Manages disorders and injuries peculiar to flight. Services as liaison between flying squadrons and medical services.
2.3. Provides aerospace medicine support. Develops policies and procedures and prepares directives governing flight medicine, preventive medicine, and occupational medicine. Services as liaison with federal, state, and local agencies in matters related to aerospace medicine, preventive medicine, and occupational medicine. Establishes medical standards for flying personnel and determines recommendations on waivers of medical standards. Develops programs for medical support of contingency operations.
2.4. Conducts medical examinations of personnel with special standards of medical care. Examines personnel requiring special medical care standards to determine fitness for flying and special duties, or to recommend continuance, removal, or return to flying status and aviation service.
2.5. Provides medical support to the operational mission and serves as staff advisor to flying squadron commander. Regularly participates in the flying mission to observe and advise on aeromedical problems. Develops and manages an aggressive preventive medicine program to include education of flying personnel in healthy life-styles. Establishes procedures for managing casualties in aviation accidents and other disasters. Provides advice on air rescue and aeromedical evacuation. Serves on aviation mishap investigation boards.
2.6. Provides preventive medicine support. Directs health education and control measures for preventable diseases and injuries. Determines adequacy of living and work environments. Develops and implements research projects to control communicable and preventable diseases. Provides advice on nutrition, food service sanitation, water supply safety, sewage and waste disposal, immunizations, and health education.
2.7. Provides occupational medicine support. Determines frequency and scope of occupational medicine exams required by federal regulations and workplace exposures. Conducts and supervises placement and periodic health exams for employees. Establishes procedures to identify occupational hazards, to notify appropriate agencies of occupational diseases or injuries, and to investigate job related injuries or illness.
2.8. Advises medical staff. Advises medical and dental staff on treatment of flying personnel and preparation of patients for aeromedical evacuation. Provides medical advice and guidance to bioenvironmental engineering, military public health, physiological training, and others.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and experience requirements satisfies this requirement.
3.2. Education. For entry into this specialty, it is mandatory to possess a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy, and complete 1 year of graduate medical education in a clinical specialty at a hospital acceptable to the Surgeon General, HQ USAF.
3.3. Training. For award of AFSC 48F1, completion of a primary course in aerospace medicine is mandatory before award of the entry level AFSC.
3.4. Experience. For award of AFSC 48F3, a minimum of 12 months' experience and completion of a residency in family practice acceptable to the Surgeon General HQ USAF, or board certification by the American Board of Family Practice is mandatory.
3.5. Other. For award of AFSC 48F3, it is mandatory to possess an aeronautical rating of Flight Surgeon, Senior Flight Surgeon, or Chief Flight Surgeon.

Staff AFSC 48G4
Qualified AFSC 48G3
Entry AFSC 48G1

AEROSPACE MEDICINE PHYSICIAN

1. Specialty Summary. Administers aerospace medicine program; conducts medical examinations and provides medical care for flyers, missile crews, and others with special standards of medical qualification. Evaluates living and working environments to detect and control health hazards and prevent disease and injury within the Air Force community. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Provides aerospace medicine support. Develops policies and procedures and prepares directives governing flight medicine, preventive medicine, and occupational medicine. Serves as liaison with federal, state, and local agencies in matters related to aerospace medicine, preventive medicine, and occupational medicine. Establishes medical standards for flying personnel and determines recommendations on waivers of medical standards. Develops programs for medical support of contingency operations.
2.2. Provides preventive medicine support. Directs health education and control measures for preventable diseases and injuries. Determines adequacy of living and work environments. Develops and implements research projects to control communicable and preventable diseases. Provides advice on nutrition, food service sanitation, water supply safety, sewage and waste disposal, immunizations, and health education.
2.3. Advises medical staff. Advises medical and dental staff on treatment of flying personnel and preparation of patients for aeromedical evacuation. Provides medical advice and guidance to bioenvironmental engineering, military public health, physiological training, and others.
2.4. Provides occupational medicine support. Determines frequency and scope of occupational medicine exams required by federal regulations and workplace exposures. Conducts and supervises placement and periodic health exams for employees. Establishes procedures to identify occupational hazards, to notify appropriate agencies of occupational diseases or injuries, and to investigate job related injuries or illness.
2.5. Conducts medical examinations of personnel with special standards of medical care. Examines personnel requiring special medical care standards to determine fitness for flying and special duties, or to recommend continuance, removal, or return to flying status and aviation service.
2.6. Provides family practice functions and medical care for flyers and their families, and obtains medical consultations. Manages disorders and injuries peculiar to flight. Serves as liaison between flying squadrons and medical services.
2.7. Provides medical support to operational mission and serves as staff advisor to flying squadron commander. Regularly participates in flying mission to observe and advise on aeromedical problems. Develops and manages an aggressive preventive medicine program, including education of flying personnel in healthy life styles. Establishes procedures for managing casualties in aviation accidents and other disasters. Provides advice on air rescue and aeromedical evacuation. Serves on aviation mishap investigation boards.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and experience requirements satisfies this requirement.
3.2. Education. For entry into this specialty, it is mandatory to possess a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy, and complete 1 year of graduate medical education in a clinical specialty at a hospital acceptable to the Surgeon General, HQ USAF.
3.3. Training. For award of AFSC 48G1, completion of a primary course in aerospace medicine is mandatory.
3.4. Experience. For award of AFSC 48G3, a minimum of 12 months' experience is mandatory.
3.5. Other. For award of AFSC 48G3, it is mandatory to possess an aeronautical rating of Flight Surgeon, Senior Flight Surgeon, or Chief Flight Surgeon.

Staff AFSC 48P4
Qualified AFSC 48P3
Entry AFSC 48P1

PREVENTIVE MEDICINE SPECIALIST

1. Specialty Summary. Administers aerospace medicine program; conducts medical examinations and provides medical care for flyers, missile crews, and others with special standards of medical qualification. Evaluates living and working environments to detect and control health hazards and prevent disease and injury within the Air Force community. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Provides preventive medicine support. Directs health education and control measures for preventable diseases and injuries. Determines adequacy of living and work environments. Develops and implements research projects to control communicable and preventable diseases. Provides advice on nutrition, food service sanitation, water supply safety, sewage and waste disposal, immunizations, and health education.
2.2. Provides occupational medicine support. Determines frequency and scope of occupational medicine exams required by federal regulations and workplace exposures. Conducts and supervises placement and periodic health exams for employees. Establishes procedures to identify occupational hazards, to notify appropriate agencies of occupational diseases or injuries, and to investigate job related injuries or illness.
2.3. Advises medical staff. Advises medical and dental staff on treatment of flying personnel and preparation of patients for aeromedical evacuation. Provides medical advice and guidance to bioenvironmental engineering, military public health, physiological training, and others.
2.4. Provides aerospace medicine support. Develops policies and procedures and prepares directives governing flight medicine, preventive medicine, and occupational medicine. Serves as liaison with federal, state, and local agencies in matters related to aerospace medicine, preventive medicine, and occupational medicine. Establishes medical standards for flying personnel and determines recommendations on waivers of medical standards. Develops programs for medical support of contingency operations.
2.5. Conducts medical examinations of personnel with special standards of medical care. Examines personnel requiring special medical care standards to determine fitness for flying and special duties, or to recommend continuance, removal, or return to flying status and aviation service.
2.6. Provides family practice functions and medical care for flyers and their families, and obtains medical consultations. Manages disorders and injuries peculiar to flight. Serves as liaison between flying squadrons and medical services.
2.7. Provides medical support to operational mission and serves as staff advisor to flying squadron commander. Regularly participates in flying mission to observe and advise on aeromedical problems. Develops and manages an aggressive preventive medicine program, including education of flying personnel in healthy life styles. Establishes procedures for managing casualties in aviation accidents and other disasters. Provides advice on air rescue and aeromedical evacuation. Serves on aviation mishap investigation boards.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and experience requirements satisfies this requirement.
3.2. Education. For entry into this specialty, it is mandatory to possess a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy, a Master's degree or equivalent in public health, and complete 1 year of graduate medical education in a clinical specialty at a hospital acceptable to the Surgeon General, HQ USAF.
3.3. Training. For award of AFSC 48P1, completion of a primary course in aerospace medicine is mandatory.
3.4. Experience. For award of AFSC 48P3, a minimum of 12 months' experience and completion of a residency or fellowship in preventive medicine is mandatory.
3.5. Other. For award of AFSC 48P3, it is mandatory to possess an aeronautical rating of Flight Surgeon, Senior Flight Surgeon, or Chief Flight Surgeon.

Attachment 9

INTRODUCTION

PROFESSIONAL CAREER AREA (5XXX)

The Professional Career Area encompasses program formulation, policy planning, coordination, inspection, command and direction, and immediate supervisory and technical responsibilities pertinent to the Law and Chaplain Utilization Fields.
The following is a complete listing of AFSCs for the Professional Career Area.

PROFESSIONAL	
Law	
51JX	Judge Advocate
Chaplain	
52RX	Chaplain

INTRODUCTION

LAW UTILIZATION FIELD (51JX)

The Law Utilization Field encompasses the functions of planning, developing, supervising, coordinating, inspecting, and executing the duties prescribed by the Uniform Code of Military Justice pursuant to the Manual for Courts-Martial, United States, 1995 (Rev.), and the preparation, rendition, and review of opinions and decisions relating to civil law matters affecting Air Force personnel. The area also includes the administration of military justice including pretrial advice, preparation of trial, actual trial, and appellate review, and rendering legal advice to commanders on all phases of law including patents, contracts, claims, military affairs, taxes, legal assistance, legislative drafting, and allied legal matters. The following is a complete listing of AFSCs for the Law Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
LAW	51J4 51J3 51J1	Judge Advocate

Staff AFSC 51J4
Qualified AFSC 51J3
Entry AFSC 51J1

JUDGE ADVOCATE

1. Specialty Summary. Manages and provides legal services to preserve prerogatives of United States Air Force and its commanders. Performs duties prescribed by Uniform Code of Military Justice (UCMJ) pursuant to Manual for Courts-Martial, United States, 1995 (MCM), and prepares and provides legal opinions and decisions necessary for efficient and effective discharge of mission of United States Air Force. Specialty encompasses administration of military justice, including counsel on disciplinary matters, pretrial advice, preparation for trial, trials by courts-martial, post-trial actions, and appellate review. Renders legal advice to commanders on all phases of Air Force operations, including international law, operations law, procurement, claims, environmental law, military and civilian personnel issues, patents, litigation, military affairs, legal assistance and preventive law, taxes, and allied legal matters. Related DoD Occupational Group: 5F.

2. Duties and Responsibilities:
2.1. Formulates legal policies. Plans and studies methods and procedures used to process military justice and civil law actions. Advises and develops plans for operation and implementation of federal statutes, executive orders, and DoD and Air Force directives. Manages legal information systems. Manages acquisition, designation, certification, and assignment of judge advocate personnel according to Article 6, UCMJ.
2.2. Monitors, coordinates, and directs legal activities. Inspects administration and function of military justice at subordinate echelons to ensure uniformity in administration of laws, directives, and instructions. Administers claims program. Maintains liaison with agencies of DoD, Department of Justice, and other federal, state, and local jurisdictions to ensure accurate and correct administration of Air Force polices and operations. Maintains liaison with local, state, and national bar associations to keep informed of current legal trends.
2.3. Prepares and renders legal advice and opinions. Advises commanders and senior staff. Prepares and renders legal advice and opinions on matters relating to interpreting laws, directives, status, rights, liabilities, and duties of personnel. Prepares and renders legal advice on disciplinary matters, including admonitions, reprimands, nonjudicial punishment, and statutory pretrial advice in prospective court-martial cases. Prepares statutory post-trial advice and actions of convening authority. Prepares and renders legal advice on issues of international and operations law, environmental law, fiscal law, and military and civilian personnel law. Renders legal assistance to military personnel and dependents on personal civil matters such as wills and estates, powers of attorney, consumer affairs, taxes, domestic relations, insurance, and execution of legal documents. Reviews and renders legal opinions on claims and incidents which may result in claims in favor of, or against the United States. Renders legal opinions regarding drafting, negotiating, and administrating government contracts. Reviews and renders opinions on courts-martial records of trial and board proceedings. Conducts inspections relating to administration and function of military justice and recommends improvements.
2.4. Represents United States in civil proceedings. Represents United States before judicial and administrative tribunals. Assists Department of Justice in preparation and litigation of cases in which the Air Force has an interest.
2.5. Acts as trial counsel on general and special courts-martial and counsel for United States on appeal. Upon certification by Judge Advocate General as trial and defense counsel, prepares and presents case for United States. Directs preparation of record of trial and forwards to convening authority. Prepares and presents briefs and oral arguments on behalf of United States before Air Force Court of Criminal Appeals, United States Court of Appeals for the Armed Forces and United States Supreme Court.
2.6. Acts as defense counsel. Upon certification by Judge Advocate General as trial and defense counsel, acts as counsel for accused in special and general courts-martial. Upon designation by Judge Advocate General, serves as area defense counsel with responsibility for provision of defense services. Prepares and presents briefs and oral arguments on behalf of accused before Air Force Court of Criminal Appeals, United States Court of Appeals for the Armed Forces, and United States Supreme Court.
2.7. Acts as military judge. Upon certification by Judge Advocate General, performs primary duty as military judge on general and special courts-martial or appellate judge of Air Force Court of Criminal Appeals.
2.8. Conducts legal courses. Instructs personnel in military justice procedures and legal issues. Directs and conducts legal training at United States Air Force Academy and Air University.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: military and civilian law.
3.2. Education. For entry into this specialty, a Bachelor of Laws or Juris Doctor degree in law issued by an accredited law school is mandatory.

3.3. Training. For award of AFSC 51J3, completion of Judge Advocate Staff Officer Course or equivalent as prescribed by The Judge Advocate General is mandatory.

3.4. Experience. For award of AFSC 51J3, a minimum of 3 months experience in legal assignments, after designation as a judge advocate by Judge Advocate General, is mandatory. Experience must include serving as trial or defense counsel in courts-martial; preparing legal briefs or rendering advice relating to interpreting laws, regulations, directives, status, rights, liabilities, and duties of military personnel and dependents.

3.5. Other. The following are mandatory for entry, award, and retention of these AFSCs:

3.5.1. Current admission to the bar of a Federal Court or the highest court of a state.

3.5.2. Designation by The Judge Advocate General as a judge advocate.

INTRODUCTION

CHAPLAIN UTILIZATION FIELD (52XX)

The Chaplain Utilization Field encompasses Chaplain Service programs, staff management, readiness, plans, advisement, administration, budgetary and fiscal management, and education functions supporting the free exercise of religion provision of the first amendment of the U.S. Constitution. This includes planning, programming, and operations related to the following activities: staff supervision; war and contingency planning; deployment execution, chaplain materiel and facility management; chaplain resource management; chaplain recruiting; and chaplain services training and education.

Only officers originally commissioned to serve as chaplains and possessing ecclesiastical endorsements from a faith group recognized by the DoD Armed Forces Chaplains Board and acceptable to the Chief of Air Force Chaplains are classified in AFSCs 52R1, 52R3, and 52R4. Chaplains have rank without command authority, serve only in noncombatant status, and are not assigned duties outside the chaplain specialty.

Individual shredouts of the Chaplain AFSC are not authorized for use on manpower documents to identify peacetime requirements. They are only to be used as a management tool to provide readiness capability for asset management, unit taskings, operational plans development and execution, requirements determination, and force availability. They are used to ensure unit type code configurations and mission capabilities support wartime taskings. They provide a tailored flexible crisis response capability to support a variety of contingencies. The following is a complete listing of AFSCs for the Chaplain Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
CHAPLAIN	52R4 +52R3* +52R1*	Chaplain A - Protestant B - Buddhist C - Roman Catholic D - Jewish E - Orthodox F - Muslim Note: These suffixes are not authorized for use on manpower documents to identify peacetime requirements.

Staff AFSC 52R4
Qualified AFSC 52R3*
Entry AFSC 52R1*

CHAPLAIN

1. Specialty Summary. Develops and administers Chaplain Service policies and procedures, including plans and operations, readiness management, Chaplain Service manpower, budgetary and fiscal management, chaplain facility repair, modification, and construction. Manages resources to provide professional religious support needed to accomplish the mission of the U.S. Air Force and maintain the highest degree of effectiveness and readiness. Advises commanders on religious, ethical, moral, morale, and quality of life matters. Related DoD Occupational Group: 5G.

2. Duties and Responsibilities:
2.1. Develops peacetime and wartime plans and policies relative to organization and management of chaplain activities such as manpower, Chaplain Readiness Teams (CRT), deployments, ministry strategies, training, chaplain materiel, and chaplain funds.
2.2. Conducts worship services, liturgies, and rites. Provides counseling, pastoral care, visitation, religious education, morale programs, spiritual renewal, lay leadership programs, and humanitarian outreach opportunities. Represents the faith and military communities in religious, patriotic, and civic events. Maintains liaison with civilian clergy and organizations to keep current in areas of interest to Chaplain Service programs.
2.3. Supervises administration and fiscal control of Chaplain Service functions. Advises commanders on religious, ethical, moral, morale, and quality of life matters. Advises the commanders of their responsibilities to provide appropriate facilities or sites for worship, rites, and counseling.
2.4. Maintains ecclesiastical liaison with religious officials and submits required professional reports and records.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: Air Force war plans, objectives, principles, and methods; Chaplain Service organizational management principles and practices; policies; procedures; programs; activities; and readiness requirements.
3.2. Education. The following education is mandatory for entry into this specialty:
3.2.1. Completion of 120 semester hours of undergraduate credit at an institution meeting requirements of DoD Directive 1304.19.
3.2.2. Master of Divinity or equivalent theological degree; or 3 years of equivalent resident graduate study according to DoD Directive 1304.19.
3.3. Training. For award of AFSC 52R3, completion of the Air Force Chaplain Orientation Course is mandatory.
3.4. Experience. For award of AFSC 52R3, experience in planning, organizing, coordinating, and leading chaplain related, or equivalent programs is mandatory.
3.5. Other. The following are mandatory as indicated:
3.5.1. For entry into this specialty, ecclesiastical endorsement from a faith group recognized by the DoD Armed Forces Chaplains Board is mandatory.
3.5.2. Award suffixes based on an individual's major faith group.

4. *Specialty Shredouts

Suffix	*Portion of AFS to Which Related*
A	Protestant
B	Buddhist
C	Roman Catholic
D	Jewish
E	Orthodox
F	Muslim

***NOTE*:** AFSCs 52R3/1, when used without suffix, denote any denomination. For individual personnel data system records, AFSCs 52R3/1 with suffix are only authorized in the awarded AFSC (Primary/2/3/4) area. Suffixes are not authorized for use on unit manpower documents or with duty AFSCs. These suffixes are only authorized for use in documents identifying requirements for contingency, readiness, operational plans, or unit type codes.

Attachment 10

INTRODUCTION

ACQUISITION AND FINANCIAL MANAGEMENT CAREER AREA (6XXX)

The Acquisition and Financial Management Career Area encompasses weather operations and research, basic and applied research in support of Air Force requirements, research and development command and staff functions, and engineering responsibility for the design, development, installation, modification, testing, and analysis of materiel, systems, methods, processes, and techniques. Also included is teaching college-level courses in subjects encompassed by the academic disciplines related to the specialty.

Excluded from this area are functions pertaining to the operation and maintenance of standard items of materiel, including their logistical and administrative support, and medical and dental research included in the Medical Career Area. The following is a complete listing of AFSCs for the Acquisition and Financial Management Career Area.

ACQUISITION	
Command	
60C0	Program Director
Scientific Research & Development	
61SX	Scientist
Developmental Engineer	
62EX	Developmental Engineer
Acquisition	
63AX	Acquisition Manager
Contracting	
64PX	Contracting
Finance	
65AX	Auditor
65FX	Financial Management
65WX	Cost Analysis

AFSC 60C0

PROGRAM DIRECTOR

1. Specialty Summary. Directs major defense system acquisition programs typically identified by one or more of the following: Air Force Executive Program; Defense Enterprise Program; DoD 5000.1 Major System Acquisition; Secretary of the Air Force Program Assessment Review Program; a highly sensitive or highly visible program of significance to the Air Force; or Congressional Selected Acquisition Reporting Program. Related DoD Occupational Group: 5L.

2. Duties and Responsibilities:

2.1. Directs high precedence acquisition programs critical to fulfilling a priority DoD mission. Provides executive leadership and management expertise through all phases of the acquisition life cycle for a major program because of its urgency of need, developmental risk, joint funding, congressional interest, and other similar factors. Delegates responsibility for preparing development, production, deployment, and system support plans. Responsible for personnel and financial resources allocated to program. Supervises program managers. Directs program activities pertaining to acquisition logistics, configuration and data management, contracting, engineering, manufacturing, program control, system safety, and test and evaluation. Assures development and delivery of program systems. Develops and motivates trained and experienced personnel for acquisition careers. Maintains relations with industry, educational institutions, professional organizations, and the civilian community.

2.2. Delivers operational systems to commands. Responsive to user environment, concerns, and requirements. Coordinates program requirements and actions with commands. Promotes technology, base enhancement, and technology transition into systems. Establishes and supervises boards, working groups, and panels to assure smooth transition of systems and equipment to commands. Trains operations and maintenance personnel in conjunction with the system contractors, training agencies, and testing and using activities.

2.3. Translates operational requirements into acquisition programs, evaluates contractor proposals, and recommends implementing actions. Establishes plans for system acquisition, including testing and evaluating programs progress. Ensures availability of operable and supportable systems and equipment on established schedules. Formulates policies and procedures for developing, procuring, and producing activities. Makes changes to the acquisition program to achieve desired outcomes.

2.4. Organizes and directs Systems Program Office. Develops organization and manning requirements. Schedules formal training, develops acquisition skills of Systems Program Office members, and implements lessons learned. Initiates plans, policies, and programs for managing engineering and other personnel. Interprets and directs execution of policies, procedures, regulations, and directives. Manages and directs collective actions of participating organizations. Ensures proposals and changes are sound in terms of operational, development, procurement, production, and support requirements. Ensures the Systems Program Office functions as the Air Force focal point for contractors supporting a program, and acts as the official source of information. Establishes a program baseline, and manages within it. Maintains an assessment of program progress and performance versus requirements, threat, schedule, and cost. Informs headquarters of recommended changes and potential and actual breaches of program thresholds. Ensures accomplishment of program budgeting, funding, and accounting functions. Manages program costs by forcing identification of life cycle costs, developing "design to" cost parameters, and weighing all program decisions and program cost thresholds.

3. Specialty Qualifications:

3.1. Knowledge. Knowledge is mandatory of: DoD and Air Force program management procedures pertinent to development, procurement, production, and logistics support; operational environment; and techniques of employment for the system being acquired.

3.2. Education:

3.2.1. Undergraduate academic specialization in a technical, scientific, or management field appropriate to program management is mandatory for award of this AFSC.

3.2.2. A master's degree in a technical, scientific, or management field appropriate to program management is desirable.

3.3. Training. The following training requirements are mandatory for award of this AFSC:

3.3.1. Completion of intermediate level professional military education is mandatory for award of this AFSC.

3.3.2. Completion of the Defense Systems Management College Program Management Course or a comparable program management course at another institution is mandatory for award of this AFSC.

3.4. Experience. The following are mandatory for award of this AFSC:

3.4.1. At least eight years' experience in acquisition, support, or maintenance of weapons systems, two years of which were performed while assigned to Air Force Material Command. Time spent pursuing postgraduate education in a technical or management field or attending the Defense Systems Management College Program Management Course, or comparable course, may be substituted toward the eight year requirement. 40 months is the maximum amount of time that may be substituted.

3.4.2. A minimum of 24 months' experience in a program office as a project manager, or in the direct supervisory chain of a program manager or director, responsible for the technical performance, schedule, cost, and supportability of a system, subsystem, or equipment item.

3.5. Other. Not used.

INTRODUCTION

SCIENTIFIC/RESEARCH UTILIZATION FIELD (61SX)

The Scientific/Research Utilization Field encompasses the scientific research function associated with research and exploratory development in support of Air Force requirements. In general, it requires very specific and extensive educational preparation. Each specialty includes responsibilities for conducting or managing programs, projects and activities established to perform research pertinent to that specialty. Research includes the functions of defining a problem, selecting methods of approach, performing experiments, accumulating and interpreting data, and publishing the results. Research management includes such functions as formulating, planning, fiscal programming, monitoring, evaluating, coordinating and administering programs, projects, and activities. These specialties, excluding AFSC 61S4, are used when research management requires technical specialization and an appropriate academic degree in a particular specialty and academic field. Scientific positions are primarily laboratory oriented; however, these specialties are found throughout the research and development community and related areas.

AFSC 61S4, Scientist, is normally limited to the identification of senior management positions where duties and responsibilities are broad in nature, commensurate with grade, and include management of multiple programs, projects, or activities involving diverse scientific fields or endeavor.

Excluded from this field are functions dedicated to research on computer hardware and software. These specialties are found in the Communications-Computer Systems Career Area.

Functions requiring only a general knowledge of science or research and development operations are described under AFSCs 63A3 and 62E3G. The following is a complete listing of AFSCs for the Scientific/Research Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
SCIENTIFIC/RESEARCH	61S4 61S3* 61S1*	Scientist A – Analytical B – Behavioral C – Chemist D – Physicist E – Mathematician

Staff AFSC 61S4
Qualified AFSC 61S3*
Entry AFSC 61S1*

SCIENTIST
(Changed 30 Apr 97)

1. Specialty Summary. Conducts or manages programs, projects, and activities to perform research. Research includes defining a problem, selecting methods of approach, performing experiments, accumulating and interpreting data, and publishing results. Research management includes formulating, planning, fiscal programming, monitoring, evaluating, coordinating, and administering programs, projects, and activities. Related DoD Occupational Group: 5A (5E for behavioral scientist).

2. Duties and Responsibilities:
2.1. Conducts and manages research. Plans research projects, determines theoretical aspects of problem, and selects methods of approach. Constructs experimental models, conducts experiments, devises instrumentation and techniques to record and collect test results, correlates data compiled in research, and interprets results. Is cognizant of and applies interdisciplinary scientific knowledge to plan and conduct research programs.
2.2. Develops new concepts, methods, and techniques to solve scientific problems. Analyzes theories and research findings to determine applications. Engages in continuous development and modification to improve performance and suitability of products and production processes. Employs mathematical techniques including probability and statistics, simulation, optimization theories, and computer systems to analyze, depict, and display data and analysis results. Develops design studies and monitors contracts.
2.3. Recommends research and development projects, and acceptance or non-acceptance of research products. Prepares technical reports, including recommendations for additional research and development projects. Maintains research records and development project records. Serves as technical consultant or representative on scientific and technical boards and committees. Maintains liaison with private sector research organizations, Air Force research and operational organizations, Army, Navy, and other government agencies.
2.4. Manages scientific programs, projects, and activities. Coordinates research efforts with related and interested agencies. Plans, organizes, and directs laboratories, field units, and staff agencies. Provides staff supervision over activities and programs. Performs as staff officer and manager in positions requiring technical specialization.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: Air Force acquisition and research policies, procedures, and management practices as they apply to the specialty overall or the specific scientific suffix.
3.2. Education. For entry into this AFSC, an undergraduate academic degree in the specialization identified by the suffix is mandatory.
3.3. Training. For award of AFSC 61S3X, completion of the Defense Acquisition University Fundamentals of Systems Acquisition Management (ACQ 101) course or Acquisition Fundamentals Course (L3OQR63A1).
3.4. Experience. For award of AFSC 61S3X, a minimum of 24 months' experience is mandatory. It is mandatory that experience include assignments in such activities as research, development, design, and technical writing in the suffix specialization. A master's degree in the suffix specialization may be substituted for 12 of the required 24 months experience. A Doctor of Philosophy degree in the suffix specialization fulfills the 24 month requirement.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Analytical
B	Behavioral
C	Chemist
D	Physicist
E	Mathematician

INTRODUCTION

DEVELOPMENTAL ENGINEERING UTILIZATION FIELD (62EX)

The Developmental Engineering Utilization Field encompasses the design, development, installation, modification, service engineering, testing, and analyses of materiels, techniques, methods systems, or processes. Each specialty includes responsibilities for management of programs, projects, and activities established to perform development engineering in that specialty.

AFSC 62E4, Staff Developmental Engineer, is normally limited to identification of staff or management positions where duties and responsibilities are specifically oriented for technical management of programs, projects, or activities, and where by reason of diversification of development, they cannot be specifically related to any one field of development engineering specialization. AFSC 62E4 is used only for those positions that specifically require general or multilateral development engineering specialization and in which technical management functions are primary importance.

AFSC 62E3E, Electrical/Electronic, AFSC 62E3H, Mechanical, AFSC 62E3B, Astronautical, and AFSC 62E3A, Aeronautical, are specialties in which developmental engineering management requires technical specialization and an academic degree in a particular specialty. AFSC 62E3G, Project, identifies project engineering or technical management functions that require an engineering degree but not in a particular specialty.

AFSC 62E3E, Electrical/Electronic, AFSC 62E3H, Mechanical, AFSC 62E3B, Astronautical, and AFSC 62E3A, Aeronautical, are specialties in which developmental engineering management requires technical specialization and an academic degree in a particular specialty. AFSC 62E3G, Project, identifies project engineering or technical management functions that require an engineering degree but not in a particular specialty. The following is a complete listing of AFSCs for the Developmental Engineering Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
DEVELOPMENTAL ENGINEERING	62E4 62E3* 62E1*	Developmental Engineer A – Aeronautical B – Astronautical C - Computer Systems E - Electrical/Electronic F - Flight Test G – Project H – Mechanical

Staff AFSC 62E4
Qualified AFSC 62E3*
Entry AFSC 62E1*

DEVELOPMENTAL ENGINEER
(Changed 30 Apr 97)

1. Specialty Summary. Plans, organizes, manages, and implements systems engineering process to assure required capability over life cycle of Air Force systems. Included are accomplishing specialized engineering processes and sub-processes; formulating engineering policy and procedures; coordinating and directing engineering and technical management activities and operations necessary for system conception, development, production, verification, deployment, sustainment, operations, support, training, and disposal. This includes technical management associated with the requirements definition, design, manufacturing and quality, test, support engineering and technologies, modifications, spares acquisition, technical orders, mission critical computer resources, support equipment, and specialized engineering. Related DoD Occupational Group: 5L. (See individual suffixes for specific engineering occupational codes.)

2. Duties and Responsibilities:
2.1. Accomplishes systems engineering processes and sub-processes. Performs systems planning activities associated with design, development, manufacturing, sustainment, and modification of systems to satisfy customer requirements. Identifies and transitions new technologies in systems and subsystems. Prepares, evaluates, and implements methods, processes, and techniques that support system design to improve performance, reliability, and maintainability for systems development and modification programs. Conducts design studies and manages studies contracted to industries. Participates in formulating program documentation and progress assessments for all phases of the acquisition process. Provides technical consultation.
2.2. Coordinates engineering and technical management activities. Advises management and staff on operations, current and revised policies and procedures, and new business practices. Coordinates with other functional activities to accomplish advance planning and to ensure process integration is accomplished, accurate, and understood. Maintains engineering and technical management liaison with contractors, Air Force field organizations, Army, Navy, Foreign Military Sales, and other governmental agencies.
2.3. Formulates engineering and technical management policies and procedures. Continuously analyzes technical policies and procedures, products, and services to improve customer support. Establishes policies and procedures based on improved processes, methods, and sound business practices.
2.4. Plans, organizes, and directs engineering and technical management operations. Plans, schedules, and allocates work. Maintains work flow data to meet deadlines and established priorities. Analyzes Air Force requirements to determine if existing technical related infrastructure is capable of meeting customers needs. Directs personnel in performance of development and sustainment functions.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: Air Force systems engineering process, including development, test, and engineering policies, procedures, and management practices.
3.2. Education. The following education is mandatory for entry into the AFSC indicated: (Engineering degrees must come from schools accredited by the Accreditation Board of Engineering and Technology (ABET).
3.2.1. 62E4. Undergraduate academic specialization or advanced degree in engineering unless member possesses a fully qualified AFSC in a suffix of this specialty.
3.2.2. 62E1X. Undergraduate engineering degree in the specialization identified by the suffix except shredouts F, and G.
3.2.3. 62E1F. Undergraduate academic specialization in engineering, a physical science, or mathematics.
3.2.4. 62E1G. Undergraduate academic specialization in engineering.
3.3. Training. The following training is mandatory for award of the AFSC indicated:
3.3.1. 62E3X. Completion of the Defense Acquisition University Fundamentals of Systems Acquisition Management (ACQ 101) course or Acquisition Fundamentals Course (L30QR63A1).
3.3.2. 62E3F. Completion of the Air Force Flight Test Engineer Course or comparable US Navy or foreign flight test engineer course.
3.4. Experience. The following experience is mandatory for award of the AFSC indicated:
3.4.1. 62E3F. A minimum of 6 months' experience as a flight test engineer.

3.4.2. 62E3X. A minimum of 24 months' experience is mandatory for upgrade to fully qualified in the specialty suffix. It is mandatory that experience include assignments in such activities as research, development, design, and technical writing in the suffix specialization. A master's degree in the specialization may be substituted for 12 of the required 24 months experience. A Doctor of Philosophy degree in the suffix specialization fulfills the 24 month requirement.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Aeronautical (Occ code 4D)
B	Astronautical (Occ code 4D)
C	Computer Systems (Occ code 4B)
E	Electrical/Electronic (Occ code 4B)
F	Flight Test (Occ code 2D)
G	Project (Occ code 5L)
H	Mechanical (Occ code 4D)

INTRODUCTION

ACQUISITION UTILIZATION FIELD (63AX)

The Acquisition Utilization Field encompasses staff and management functions peculiar to the Air Force acquisition life cycle. Air Force Supplement 1 to DoDI 5000.2, *Defense Acquisition Management Policies and Procedures* provide basic and detailed guidance for acquisition programs.

Specific instructions on the utilization of the AFSCs follow:

It is desirable that entry into the career field be preceded by assignment in another utilization field whenever possible. Officers who enter the career field on their initial tour should seek a subsequent assignment in another utilization field followed by a return to the acquisition program management career field. This desired career broadening is to provide a better perspective and understanding of the interfaces between functions of acquisition management and related functions in the developing, operating, training, and support commands. Lateral inputs will include only those officers who have clearly demonstrated a potential for effective administration and program management beyond their basic specialty.

AFSC 63A4, Acquisition Manager, identifies positions with responsibilities for systems, major subsystems or equipment, or in the overall aspects of the program management effort.

AFSC 63A3, Acquisition Manager, identifies positions with the responsibilities for assisting in the planning and management of the system, subsystem, or equipment acquisition programs.

The terms "program" and "program management" are concerned with the acquisition effort managed by the Air Force. In addition, the term "logistics" relates to the Integrated Logistics Support function performed by the program manager with the assistance of the Air Force Materiel Command. The following is a complete listing of AFSCs for the Acquisition Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
ACQUISITION	63A4 63A3 63A1	Acquisition Manager

Staff AFSC 63A4
Qualified AFSC 63A3*
Entry AFSC 63A1*

ACQUISITION MANAGER
(Changed 30 Apr 97)

1. Specialty Summary. Manages defense acquisition programs covering every aspect of the acquisition process, including integrating engineering, program control, test and deployment, configuration management, production and manufacturing, quality assurance, and logistics support. Performs functions essential to acquisition programs involving major defense acquisition programs and other than major systems or subsystems. Performs acquisition support roles. Related DoD Occupational Group: 8D.

2. Duties and Responsibilities:
2.1. Plans and organizes acquisition management activities. Plans, organizes, and develops program management techniques, and establishes internal controls to manage acquisition programs and support functions. Determines organizational structure, personnel, training needs, and security requirements. Establishes performance standards, work schedules, and priorities. Develops, reviews, coordinates, and executes acquisition management plans to support daily operations, contingencies, and war fighting capabilities.
2.2. Directs acquisition management activities. Supervises, manages, and administers all aspects of acquisition programs. Includes direction and participation to establish military, economic, and technical bases for acquisition programs in conceptual phases and throughout the validation, engineering and manufacturing, production, and deployment phases of an acquisition life cycle. Manages cost, schedules, performance, and supportability of acquisition programs, discrete portions of programs, or support activities.
2.3. Coordinates acquisition management activities. Advises commanders and staff on status and progress of acquisition programs. Coordinates with commander, staff, and units to develop and execute acquisition program plans and schedules. Serves as project manager having cost, schedule, logistics, and engineering responsibilities for a discrete portion of a program, either hardware or software. Manages systems integration activities, including identifying and resolving subsystem, hardware and software interface, or logistics problems to support optimum system design. Performs integrated logistics support engineering and planning tasks.
2.4. Performs program management functions. Manages tasks associated with engineering, program control, configuration management, test, manufacturing and quality assurance, and integrated logistics support. Responsive to user environment, concerns, and requirements. Coordinates with users to translate operational requirements and system design into definitive subsystem and equipment acquisition programs. Manages program progress to ensure availability of operable and supportable subsystems and equipment. Makes changes to acquisition program to achieve desired outcomes.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: DoD and Air Force system, subsystem, and equipment acquisition program management philosophy, policies, and procedures applicable through several phases of an acquisition life cycle; and program management procedures pertinent to development, procurement, production, logistics support, and techniques of employment for the system being acquired.
3.2. Education. For entry into this specialty, undergraduate academic specialization in engineering, engineering science, engineering management, mathematics, analytical science, physical science, business, or management is mandatory.
3.3. Training. For award of AFSC 63A3, completion of Defense Acquisition University Fundamentals of Systems Acquisition Management (ACQ 101) course or Acquisition Fundamentals Course (L30QR63A1) is mandatory.
3.4. Experience. For award of AFSC 63A3, a minimum of 18 months acquisition experience is mandatory.
3.5. Other. Not used.

INTRODUCTION

CONTRACTING UTILIZATION FIELD (64PX)

The Contracting Utilization Field encompasses the functions of contracting for systems supplies and services, assessing a contractor's ability to economically manufacture a product; and preparing, competing, negotiating, awarding, and administering contracts through both operational and central systems contracting programs.

To progress in this utilization field, officers should ensure a diversity of assignments in all aspects of the utilization field before becoming qualified for staff level assignments. The following is a complete listing of the Contracting Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
CONTRACTING	64P4 64P3 64P1	Contracting

Staff AFSC 64P4
Qualified AFSC 64P3
Entry AFSC 64P1

CONTRACTING

1. Specialty Summary. Plans, organizes, manages, and accomplishes contracting functions to provide supplies and services essential to Air Force daily operations and war-fighting mission. Included are accomplishing contracting system processes, formulating contracting policy and procedures, coordinating contracting activities, and directing contracting operations. The contracting system includes effective acquisition planning, solicitation, cost or price analysis, evaluating offers, source selection, contract award, and contract administration. Related DoD Occupational Group: 8D.

2. Duties and Responsibilities:
2.1. Accomplishes contracting processes and functions. Performs acquisition planning to include analyzing purchase requests and technical documents for suitability and determining the proper contracting method and contract type. Prepares and distributes solicitations. Evaluates offers, including cost or price analysis, contractor responsibility and responsiveness to solicitation, and evaluating other selected factors (e.g., quality, contractor management and facilities, delivery, etc.). Selects contract source, assembles contracts, and makes awards. Administers contracts to ensure contract compliance. Negotiates modifications, and takes termination actions for convenience of the government or for default.
2.2. Coordinates contracting activities. Advises commander and staff on contracting operations, as well as impact of new directives and policy on the contracting system. Coordinates with other functional activities to accomplish advance planning and ensure adequacy and correctness of contracting approach, lead-time, purchase descriptions, specifications, funding, etc. Confers with other government agencies, military departments, and commercial concerns to explain mission requirements, contractual interpretations, and policy, program interpretation. Coordinates with staff agencies to accomplish overall mission.
2.3. Formulates contracting policies and procedures. Analyzes contracting system and establishes policies and procedures necessary to improve contracting process and its customer support. Establishes policies based on sound business practices and highest standards of ethical conduct and fiscal responsibility. Develops automated systems essential to enhancing contracting efficiency. Manages military and civilian career development programs to ensure individuals have the opportunity for training, education, and experience needed for mission success and personal advancement.
2.4. Plans, organizes, and directs contracting operations. Directs contracting functions and fosters environment where contracting activities and customers form teams dedicated to meeting Air Force requirements. Determines organizational structure, physical facilities, and personnel requirements for accomplishing contracting responsibilities. Directs accomplishment of contracting system functions, ensures contracting system is responsive to mission needs and requirements, and ensures compliance with statutory and regulatory requirements. Develops and implements internal systems and processes, manual and automated, required to accomplish and monitor the contracting mission.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: contracting process fundamentals, federal acquisition and contracting directives and publications, budgeting and funding procedures, and contract pricing.
3.2. Education. For entry into this specialty, undergraduate academic specialization in business administration or management is desirable.
3.3. Training. For award of AFSC 64P3, it is mandatory to complete a basic central system or operational level contracting officer course, and Principles of Contract Pricing course, or completion of the Air Force Institute of Technology (AFIT) Master of Science Program in Contracting Management.
3.4. Experience. For award of AFSC 64P3, a minimum of 12 months' experience in contracting assignments is mandatory. Also, experience in functions such as determining applicable methods of contracting; developing invitations for bids and requests for proposals; evaluating bids and proposals; and awarding, administering, and terminating contracts.
3.5. Not used.

INTRODUCTION

FINANCE UTILIZATION FIELD (65XX)

The Finance Utilization Field encompasses the functions of policy planning and assistance in programming formulation, direction, and inspection of fiscal management activities. Functions include analysis, evaluation, and presentation to commanders and staff information on all operations programs, and projected plans to support command objectives in the most efficient and economical manner within available resources. Involved are preparation and defense of the budget; disbursement, collection, and accounting for public funds; accounting for obligations and expenditures of appropriated and nonappropriated funds; maintenance of reports control system; collection, analysis, interpretation, and presentation of quantitative data pertaining to all Air Force operations; and audit of industrial contractors' accounts and internal accounts of the Air Force. The following is a complete listing of the Finance Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
FINANCE	65A4 65A3 65A1	Audit
	65F4 65F3 65F1	Financial Management
	65W4 65W3 65W1	Cost Analysis

Staff AFSC 65A4
Qualified AFSC 65A3
Entry AFSC 65A1

AUDIT

1. Specialty Summary. Conducts and manages audits of effectiveness and efficiency of Air Force systems and operations. Administers audit programs within scope of established authority, including technical supervision over lower echelon; reviews systems and internal controls; and supports audits of all levels of Air Force operations. Related DoD Occupational Group: 7D.

2. Duties and Responsibilities:
2.1. Conducts audit activities. Determines compliance with policies, directives, procedures and standards of performance. Accomplishes administrative actions required in execution of assigned responsibilities. Performs all audit work in accordance with applicable US Comptroller General, Department of Defense, and Air Force directives.
2.2. Performs technical audit functions. Surveys systems and controls to determine scope of audit. Evaluates management systems and internal controls to determine if they are adequate in concept, effective and efficient in application, and provide requisite financial integrity. Appraises performance under and ascertains extent of compliance with laws, policies, and directives. Analyzes management data to evaluate techniques, approaches, trends, and future requirements. Prepares audit work papers showing nature and extent of audit work performed. Informs commanders and other staff personnel of audit findings by means of reports, surveys, analyses, and briefings. Provides recommendations for improvement in financial and management policies and procedures. Resolves complex audit and management problems. Prepares statistical reports reflecting results of audit operations.
2.3. Formulates audit procedures and policies. Develops broad audit policy subject to authority, direction, and control of higher Air Force Audit Agency (AFAA) echelons. Studies and analyzes governmental and commercial systems and auditing methods for applicability to Air Force programs. Devises audit procedures and methods to measure reliability of financial and operational management information needed for effective and efficient management. Develops training policies, methods, and procedures, including objectives, approaches, and reporting. Determines resource requirements to support facets of the audit process.
2.4. Plans, organizes, and directs audit activities. Identifies workload requirements and establishes objectives of performance; plans, schedules, and makes audit assignments; and reviews and evaluates progress of work performed and methods used by audit personnel. Reviews and surveys audit operations to determine overall effectiveness and efficiency, status of training, and compliance with policies and procedures, and prescribes corrective action where needed.
2.5. Coordinates audit programs and activities. Confers with audit, inspection, and investigative activities in the Air Force, other military services, government agencies, and industrial concerns to exchange information and keep informed on current interest areas.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge of the following is mandatory: accounting and auditing (commercial and government); and interpretation and application of laws, executive orders, and directives.
3.2. Education. For entry into this specialty, undergraduate academic specialization in accounting (24 semester hours minimum) is mandatory.
3.3. Training. For award of AFSC 65A3, completion of the Air Force Audit Agency Professional Auditor Training Program is mandatory.
3.4. Experience. For award of AFSC 65A3, a minimum of 24 months' experience in auditing management systems is mandatory. Also, experience is mandatory in conducting audits of functions and organizations, preparing audit reports, directing audit activities, and advising on management procedures. Proficiency in audit procedures will be verified by supervisory chain prior to upgrade to AFSC 65A3.
3.5. Not used.

Staff AFSC 65F4
Qualified AFSC 65F3
Entry AFSC 65F1

FINANCIAL MANAGEMENT

1. Specialty Summary. Performs financial management activities and manages financial programs and operations, including accounting liaison and pay services; budget preparation and execution; program, cost, and economic analysis; and nonappropriated fund oversight. Develops special studies and analyses of management problems and recommends solutions. Serves as financial adviser to commander and staff. Related DoD Occupational Group: 7D.

2. Duties and Responsibilities:
2.1. Plans and organizes financial management activities. Plans, organizes, develops techniques, and establishes internal controls to manage financial services and analysis operations. Determines organizational structure, personnel, training needs, and security requirements for safeguarding entrusted assets. Establishes performance standards, work schedules, and priorities. Develops, reviews, coordinates, and executes financial management plans to support peacetime, exercise, contingency, and wartime operations.
2.2. Directs financial management activities. Supervises, manages, and administers financial services and/or analysis activities. These include reviewing adequacy of internal controls and quality of services; providing assistance and performing cost estimates and economic analysis; and overseeing funds distribution and management. Establishes performance standards to evaluate cost and efficiency. Inspects, reviews, and evaluates effectiveness of work methods, procedures, and personnel.
2.3. Coordinates financial management activities. Advises commander and staff on status and progress of command programs. Coordinates with commander, staff, and units in developing and executing financial plans, schedules, and programs. Advises, coordinates, and makes recommendations on validity of requirements, effective allocation and use of financial resources, and redistribution of resources within fund limitations. Verifies estimated costs are realistic and reasonable. Coordinates on deficiencies noted in reports from audits, and inspections. Maintains liaison with other agencies to develop standards for financial management policy and procedures.
2.4. Performs financial management functions. Formulates guidelines for phasing in projected programs and mission changes. Assures identification of required financial resources. Provides forecasts of financial posture. Prepares, justifies and submits financial plan, budget estimates and supplemental budget requirements. Ensures validity of obligations within the language of appropriation acts, current laws, and governing directives. Maintains statutory responsibility for preventing over-obligation of appropriated funds through funds certification. Collects, analyzes, and interprets resource data. Establishes procedures and safeguards against fraud and fund losses. Evaluates impact of legislative action, executive orders and Comptroller General decisions on financial operations. Formulates financial management policies and procedures. Provides analysis, policy, and oversight for nonappropriated fund financial management. Conducts analyses supporting cost projection and resource utilization effectiveness. Performs, reviews, and certifies adequacy of cost comparisons and economic analyses.
2.5. Conducts financial management and information studies. Prepares studies evaluating the effects of changes in policies, procedures, and technology. Prepares findings and recommendations for presentation to commander and staff.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: general accounting principles pertaining to governmental, commercial, managerial, and cost accounting; Air Force concepts and objectives and their relationship to effective, economical execution of the mission; fiscal laws, executive orders, Comptroller General decisions, instructions, and directives; Air Force budget structure and policy; fiscal procedures, including resource allocation and fund control procedures; cost estimating, economic analysis, and statistical techniques; and basic computer applications.
3.2. Education. The following education is required as indicated for entry into this specialty:
3.2.1. Undergraduate academic specialization in business administration is desirable.
3.2.2. A minimum of 12 semester hours in economics, accounting, and statistics subjects (six of which must be in accounting) is mandatory.
3.3. Training. For award of AFSC 65F3, completion of either the Financial Services or Financial Analysis Officer course is mandatory.
3.4. Experience. For award of AFSC 65F3, a minimum of 18 months' experience is mandatory in financial management assignments.
3.5. Not used.

Staff AFSC 65W4
Qualified AFSC 65W3
Entry AFSC 65W1

COST ANALYSIS

1. Specialty Summary. Conducts studies to estimate cost and evaluate effectiveness of force structures, operational systems, acquisition programs, and support activities. Performs cost and economic analyses and conducts research. Related DoD Occupational Group: 7D.

2. Duties and Responsibilities:
2.1. Plans and organizes cost analysis activities. Plans, organizes, and supervises cost activities and programs. Establishes procedures and techniques for analyzing and evaluating performance against standards and developing and validating data sources. Develops and administers education and training programs.
2.2. Designs and develops cost estimating and analysis methods, processes, and techniques. Develops improvements in Air Force analytical performance capabilities. Develops cost estimating relationships and factors. Develops standards and techniques for evaluating adequacy of cost activities and capabilities. Determines acceptability of contractors' management control systems, analyzes cost and schedule performance data, and ensures maintenance of accepted systems.
2.3. Coordinates and provides cost analysis services. Provides technical assistance to other agencies on cost related issues. Develops solutions and implementation plans and presents findings to decision makers. Plans and conducts research projects leading to improved analytical concepts, methods, and techniques. Reviews and evaluates cost reports submitted by other agencies.
2.4. Performs cost and economic analyses. Performs studies to estimate cost, analyze risk, and evaluate effectiveness of force structures, weapon systems and information systems, research and technology programs, and support activities. Performs, reviews, and certifies adequacy of cost comparison and economic analyses. Serves on technical and financial boards and committees.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: cost and economic analysis, statistical and presentation techniques, resource allocation process, and basic computer applications.
3.2. Education. For entry into this specialty, undergraduate academic specialization is mandatory in a business related or quantitative-oriented discipline; or a minimum of 18 undergraduate or graduate semester hours in any combination of business administration, economics, accounting, engineering, mathematics, statistics, management science, operations research, or computer science.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 65W3, a minimum of 18 months' experience is mandatory in cost analysis assignments.
3.5. Not used.

Attachment 11

INTRODUCTION

SPECIAL INVESTIGATIONS CAREER AREA (71SX)

The Special Investigations Career Area encompasses the functions of program formulation and policy planning; control and direction of investigations involving possible acts of espionage, sabotage, treason, and other subversive acts; investigation of major violations of the Uniform Code of Military Justice and applicable federal statutes, and violations of public trust, such as fraud, bribery, and other criminal irregularities, with particular reference to the procurement or disposition of government property; conduct of background investigations of Department of Defense personnel in overseas areas at the request of the Defense Investigative Service; and conduct of special inquiries directed by competent authority.

Excluded from this career area are the investigative functions of administrative boards or persons appointed by the commander to investigate such matters as line-of-duty and aircraft accidents. The following is a complete listing of the AFSCs for Special Investigations Career Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
SPECIAL INVESTIGATIONS	71S4 71S3 71S1	Special Investigations

Staff AFSC 71S4
Qualified AFSC 71S3
Entry AFSC 71S1

SPECIAL INVESTIGATIONS

1. Specialty Summary. Manages and conducts special investigations, to include criminal, fraud, counterintelligence, internal security, and technical services investigations, and other related activities. Related DoD Occupational Group: 3C.

2. Duties and Responsibilities:
2.1. Formulates special investigations policy governing investigative and related programs in counterintelligence, criminal, fraud, and technical services areas. Establishes investigative work loads based on complexity of cases and capability of units and assigned special agents. Determines requirements for facilities, materiel, and personnel, to include office space, communications, services, supplies, vehicles, budget requirements, and investigative equipment. Determines requirements for military and civilian agents and administrative support based on work load or unit investigative area. Establishes organization, location, and operational procedures, including budget, logistical, and technical support for Air Force Office of Special Investigations (AFOSI) units. Establishes procedures for operational control and dissemination of investigative reports and special studies. Develops standards to evaluate performance of investigative personnel and activities. Establishes training programs for AFOSI, DoD organizations, and foreign allied personnel.
2.2. Coordinates special investigation activities. Serves as representative on committees and boards. Conducts joint investigations and operations with agencies such as, protective services to the United States State Department and the Secret Service for the President, First Family, and other high-level United States and foreign dignitaries. Conducts operational coordination with counterintelligence, investigative, and law enforcement agencies. Provides information, formal studies, or reports to USAF commanders and Air Staff officials on trends and patterns of irregularities, weaknesses, and offenses in the counterintelligence, criminal, fraud, and technical services area.
2.3. Monitors and directs special investigations activities. Prepares instructions and procedures for use in investigations of complex or sensitive nature. Analyzes and disseminates information of counterintelligence, criminal, fraud, internal security, and technical services nature to USAF commanders and other federal, DoD, state, and local agencies. Provides counterintelligence support to Air Force participation in international arms control treaties. Manages counterintelligence, criminal, and fraud intelligence information collection systems. Prepares budget estimates based on work loads, special requirements for investigative functions, and forecasts of future needs. Inspects special investigative activities to determine management effectiveness and status of relations with USAF command officials and federal, DoD, state, and local agencies.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: special investigative policy, procedures, and techniques concerning criminal, fraud, counterintelligence, personnel background, and technical security services.
3.2. Education. For entry into this specialty, undergraduate academic specialization or degree is desirable in criminology, police, public or business administration, administration of justice, accounting, business or criminal law, comparative government, area studies, general management, political theory, or behavioral or social psychology.
3.3. Training. For award of AFSC 71S3, completion of the special investigators' course at the Air Force Special Investigations Academy is mandatory.
3.4. Experience. For award of AFSC 71S3, experience is mandatory performing, supervising, or directing functions in criminal, fraud, counterintelligence, technical services, policy formulation, or devising procedures to implement special investigations.
3.5. Other. The following are mandatory for entry, award, and retention of these AFSCs:
3.5.1. Favorable background investigation and certification by Commander of AFOSI.
3.5.2. Qualification to bear firearms according to AFI 31-207, *Arming and Use of Force by Air Force Personnel.*

Attachment 12

LIST OF OFFICER AFSCS AUTHORIZED FOR USE WITHOUT SHREDOUTS

The following officer AFSCs may be used without shredouts when required to reflect manpower authorizations and to identify and report officers qualified in basic AFSCs. All other AFSCs for which shredouts have been established will not be used without shredout unless specifically authorized by HQ AFPC/DPPAC.

	13S1	15W3/1	16FX	21A3/1	21M3/1	33S3/1	42GX
42PX	43BX	43EX	43YX	44DX	44EX	44KX	
44MX	44PX	44RX	44SX	44YX	45BX	45EX	
45GX	45SX	45UX	46NX	46PX	47GX	47PX	
47SX							

Attachment 13

OFFICER SPECIAL EXPERIENCE IDENTIFIERS

Introduction

1. Special Experience Identifiers (SEI). SEIs complement other classification tools to provide the means to record and retrieve specific experience and training to satisfy management needs. Submit requests to establish, delete, or revise SEIs according to instructions in paragraph 5 of this manual.

2. The Alphanumeric Structure. The officer SEI is a three-character alphanumeric code, consisting of an activity code (first character) and an experience set (last two characters). The activity code identifies possible activities performed in a variety of utilization fields. Section I of this attachment lists activity codes and definitions. An experience set identifies a particular system, level of experience, or the type of experience. Section II of this attachment contains authorized experience sets. Activity codes may be used with any experience set to form a SEI.

3. Stored in HAF File. Officer SEIs are permanently maintained only on the HAF file. Up to eight SEIs may be stored in each record. MPFs and Reserve MPFs may query the HAF file to obtain stored SEIs.

4. Use of SEIs. There are no programs established to use SEIs in the officer assignment process. Each assignment selection action is individualistic, and officer SEI data embellish other selection data such as duty history, education qualifications, career objectives, and so forth. SEIs also provide a method to quickly screen the officer data base for specific experience. Interaction of activity codes with experience sets and the broad application guidelines relating to AFSC-SEI relationship (no AFSC constraints) provide assignment officers the capability for finite identification of experience, training, and qualifications to use to meet management needs.

5. Functional Users and Manpower Responsibilities. Over 46,000 separate SEI codes are possible in the officer SEI program. The size of such a system, coupled with no edits on officer SEIs to any particular AFSC, limits ability of any single agency to control placement of SEIs on unit manpower documents. Functional users are the most important link in the success of the officer SEI program, and are benefited the most by the SEI program. Functional users must frequently review each position in their areas of responsibility to determine appropriateness of identifying positions by SEI. Using the following criteria may be helpful: Is the officer filling the position gaining special experience identified by a current SEI in this instruction? Does the position require special experience identified by a current SEI? If the answer to either of these questions is yes, then coding the position with the SEI is appropriate.

6. Award and Withdrawal of Officer SEIs. The agencies listed in the paragraphs below control the award and withdrawal of awarded SEIs. SEIs are awarded when an officer has completed the qualification criteria listed in this attachment for a particular experience set. An SEI may be withdrawn because of loss of qualification required for award (loss of security clearance, medical disqualification, and so forth). An SEI may also be withdrawn when its component activity code or experience set is removed from the inventory.

6.1 Active duty colonels may request award or withdrawal of SEIs through their local MPF. Personnel Employment may award and withdraw SEIs for colonels and colonel selectees according to SEI criteria specified in this attachment.

6.2. Active duty officers (Lt Col and below) may request award or withdrawal of SEIs through their local MPF: Personnel Employment will forward requests for SEIs to the appropriate assignment managers as listed below:

6.2.1. Line Officers, Promotion Category A: HQ AFPC/DPAO, 550 C Street West, Suite 31, Randolph AFB TX 78150-4735 and HQ AFPC/DPAS, 550 C Street West, Suite 33, Randolph AFB TX 78150-4735.

6.2.2. Medical Service Officers, AFSCs 4XXX: HQ AFPC/DPAMF, 550 C Street West, Suite 27, Randolph AFB TX 78150-4729.

6.2.3. Legal Officers, AFSCs 51XX: HQ USAF/JAX, 1420 Air Force Pentagon, Room 5E425, Washington DC 20330-1420.

6.2.4. Chaplains, AFSCs 52XX: HQ USAF/HC, 172 Luke Avenue, Bolling AFB DC 20332-5113.

ACTIVITY CODES AND DEFINITIONS

AUTHORIZED CODE	DEFINITION
A Acquisition of Systems	Identifies officers who are directly or indirectly involved with the System Program Office concerned with the acquisition of Air Force systems. Officers are qualified for this activity code through all phases of system life, from initial development of an approved system through the actual point where that system is turned over to the user and the logistics supporting system have been developed and are operational.
B Technical Acquisition of Systems	Identifies officers who are directly or indirectly involved in the technical aspects of the acquisition of Air Force systems. Officers are qualified for the activity code through all phases of the system life, from initial development of a system through the actual point where the system is turned over to the user and the logistics supporting the system have been deployed and are operational. To qualify for award of any SEI formed with this activity code, officer must possess an academic degree in engineering, physical science, or mathematics or be a military academy graduate. Technical experience and nondegree-earning courses may be substituted for the formal academic degree requirement based on supervisor's recommendation and AFPC assignment manager approval.
C Computer Systems	Identifies officers who are associated with research, design, development, or application or modification actions on computer hardware and software systems. These computer systems can range from the large multipurpose computers in the Air Force inventory to small single-purpose computers and software associated with a particular weapon system.
E Engineering	Identifies officers involved in research, design, development, installation, modification, and associated engineering testing of Air Force system.
H Health	Identifies officers involved in providing direct health care and health care planning or related activities. Includes officers involved in medically related portions of research and development programs.
I Security	Identifies officers whose prime concern is ensuring that the mission of the Air Force is not compromised by any activity, organization, or operation in which the Air Force or others might have involvement. Included are officers concerned with security of computer systems, encoding procedures, and analysis of the activities and systems of foreign nations.
L Logistics	Identifies officers involved in the purchase, storage, movement, distribution, maintenance, evacuation, and disposition of materiel. This code includes those officers who plan for and analyze the total logistics support required for accomplishment of the mission.
M Maintenance	Identifies officers involved in maintenance of Air Force systems. They are involved in the real time planning, directing, and control of maintenance performed on in-use equipment.
O Operations	Identifies officers directly involved in the employment of weapon and supporting systems to accomplish the primary operational mission of the Air Force. Officers may be designated this activity code if they are flying, controlling, directing, or launching aircraft or missiles. The operations activity code will also apply to officers serving in staff or commander positions associated with Air Force operational systems.
P Personnel/Manpower Analysis	Identifies officers who analyze the impact of Air Force programs on the utilization of the personnel resource. This code includes compensatory programs, morale, welfare, and recreation programs, early-out and reduction-in-force programs, and programs that directly or indirectly affect the training and education resources available to the Air Force.

AUTHORIZED CODE	DEFINITION
R Research	Identifies officers whose primary function is to know and apply technologies and to further develop these activities beyond the current state of the art. Officers under this code are working on the edge of technological knowledge, seeking breakthroughs to new frontiers that may be of potential usefulness to the Air Force. They may be physically involved in the research itself, or they may manage the work of others, including civilian researchers.
S Strategic Analysis	Identifies officers who are involved in long-range planning and analysis for future Air Force operational force structures. Individuals working in this arena are concerned with required operational capabilities, force and mix analysis, arms control and arms limitation doctrines, future capabilities in regard to the overall Air Force operational mission, and analysis of ancillary equipment required to meet the future needs of the service. Strategic, in the sense intended here, refers to long-range, both in time and in the mission itself.
T Tactical Analysis	Identifies officers who work in the planning, programming, and analysis of short-range, minimum-time operations. This code applies to those who analyze the results of past Air Force actions with an anticipation of future benefit to the Air Force.
W Testing	Identifies officers at the field or staff level who are involved with the testing for acceptance or operability of Air Force systems.
X Planning Programming, Budgeting	Identifies officers involved in Planning, Programming, Budgeting activities at any level in the Air Force.
Y Not Applicable	Utilized to complete the three-character alphanumeric SEI when the Experience Set describes the total desired experience.

EXPERIENCE SETS AND EXPLANATIONS

EXP SET	TITLE	EXPLANATION
		AIRCRAFT AND RELATED EXPERIENCE
AA	T-38	Requires 12 consecutive months' experience with the aircraft (10 consecutive months' experience for individuals serving 12-month short tour areas).
AE	F-105	
AF	F-4	
AG	F-111	
AH	F-5	
AI	F-16	
AJ	F-117	
AK	A-7	
AM	F-15	
AN	A-10	
A5	F-106	
BA	B-2	
BH	B-1	
BI	B-52	
BK	U-2	
BL	SR-71	
BS	E-3A/B (AWACS)	
BT	E-4A/B (AABNCP)	
BX	C-135/137	
B1	C-141	
B3	C-5	
B4	KC-10	
B6	Flight Commander and Flight Commander Primary Crew Members	Requires 2 months' experience as a flight commander or flight commander primary crew member assigned to a key management or supervisory position in an operational flying or strategic missile squadron. May be designated on assignment to duties by recommendation of the squadron commander.
B7	Training Flight Instructor	Requires 2 months' in a training flight instructor position. May be designated on assignment to duties by recommendation of the commander.
B8	Receiver-Aerial Refueling Qualified	Requires transition/operational training and certification of receiver aerial refueling qualification by appropriate Operations authority.
B9	SAR RESCORT Qualified	Requires completion of the formal SAR RESCORT training course or completion of the SAR RESCORT training syllabus or a minimum of 6 consecutive months' experience on a SAR RESCORT designated SEA mission.
B0	Developmental Testing and Evaluation Navigator	Requires graduation from Test Navigator training at USAF Test Pilot School and a minimum of 6 months' experience as a Developmental Testing and Evaluation Navigator.
CA	Glide Bomb Unit (GBU)	Requires completion of formal training course or local in-unit upgrade in accordance with appropriate training syllabus and a training certificate signed by the unit commander or his designated representative.
CB	ACEVAL/AIMVAL	Requires previous participation in an ACEVAL/AIMVAL exercise as an aircrew member or staff officer.
CC	Production Activities in TAF Aircraft Maintenance COMO Units	Requires 12 consecutive months' experience in production activities of tactical aircraft maintenance organizations under the Combat Oriented Maintenance Organization (COMO) concept. Includes managing and supervising functions of the Deputy Commander for Maintenance staff, Equipment Maintenance Squadrons, Component Repair Squadrons, or Aircraft Generation Squadrons. This experience set is authorized for use with AFSCs 21AX.

EXP SET	TITLE	EXPLANATION
CD	C-130B/E	Requires 12 consecutive months' experience with the aircraft (10 months' consecutive experience for individuals serving in 12 month short tour areas.)
CE	Air Surveillance Officer	Requires graduation from formal training course E30ZR1741-002, Air Weapons Director (Air Surveillance), PDS code VCG. Also, requires officer to be functioning in mission-ready or operational-ready status in air surveillance officer or sensor system manager duty in AWACS, in any mobile tactical air control radar system, or in a fixed air defense command and control facility; or be functioning in electronic countermeasure-related duties; or have duty history as an air surveillance officer or electronic countermeasures staff officer.
CF	Night Vision Goggle (NVG) Operations	Requires completion of transition/operational training and certification of qualification by appropriate operations authority.
CG	Air Base Operability (ABO) Operations	Requires completion of formal course G30ZR0516-007, Air Base Operability (PDS code M4Q), 12 months' experience while assigned as a wing or base disaster preparedness or ABO officer, and supervisor's recommendation.
CH	Airfield Management	Requires 12 months' experience in airfield management duties and supervisor's recommendation.
CJ	Tactical Deception	Requires completion of course MAWC500 Combined Air Warfare Course (PDS code UWB), 12 months' experience while assigned as unit tactical deception officer, and supervisor's recommendations.
CK	Combat Airspace Manager	Requires completion of courses TAC228550 (PDS code ZEN) and TAC228555 (PDS code 9TH), or ACC JAOSC (PDS Code 77L), participation in one Joint Chiefs of Staff exercise with combat airspace management employment, and commander's recommendation.
CU	UH-1, Other	Requires 12 consecutive months' experience with the aircraft (10 months' consecutive experience for individuals serving in 12 month short tour areas).
CY	CH-53	
CZ	HH-53	
C1	Maintenance Officer Manning Enhancement Program	Requires selection for the Maintenance Officer Manning Enhancement Program (a joint MAJCOM/AFPC formal program) completion of the Accelerated Aircraft Maintenance Officer Course in residence, and 12 months' experience in aircraft maintenance duties. This experience set will only be used with activity code M.
C2	Career Trainer	Designation approval based on selection by board convened at HQ AETC.
C3	Joint/Component Staff Augmentee	Requires satisfactory performance in key commander/staff positions during joint exercises or actual field operations, certified by a senior exercise official.
C4	PAVE SPIKE	Requires completion of a formal training course or local in-unit upgrade in
C5	PAVE TACK	accordance with appropriate training syllabus and a training certificate
C6	PAVEWAY I/PAVE KNIFE	signed by the unit commander or his designated representative.
C7	F-15	Requires 6 consecutive months' experience in the F-15 aircraft and previous experience and training in air-to-air techniques.
C8	Special Operations Staff Augmentee	Requires special operations practical experience as a commander/staff officer at component or unified command level during a joint exercise or actual field operation. (Individuals designated C8 will not be designated C9.)
C9	Special Operations Staff Officer	Requires knowledge of the capabilities and limitations of special operations aircraft and equipment and special operations techniques of employment and doctrine. A through grasp of training techniques is mandatory. Requires a minimum of 12 months' experience in a special operations staff assignment or 6 months' experience in a special operations staff assignment and completion of one of the following courses: Psychological Operations, Foreign Internal Defense, or Unconventional Warfare. (Individuals designated C9 will not be designated C8.)
C0	Red Flag	Requires completion of participation in a Red Flag combat readiness exercise in an aircrew capacity.
DE	C-12	Requires 12 consecutive months' experience with aircraft (10 consecutive

EXP SET	TITLE	EXPLANATION
D2	OV-10	months' experience for individuals serving in 12-month short tour areas).
D3	Aggressor Qualified	Requires 6 consecutive months' experience in Aggressor duties.
EA	Mid Air Recovery System (MARS)	Requires completion of transition or operational training, certification of MARS qualification by appropriate Operations authority, and 3 months' operational experience.
EB	Surface Recovery Operations	Requires completion of transition or operational training, certification of surface recovery qualification by appropriate Operations authority, and 3 months' operational experience.
EC	Night Recovery System (NRS)	Requires completion of transition or operational training, certification of NRS qualification by appropriate Operations authority, and 3 months' operational experience.
ED	Central NOTAM Facility	Requires 12 consecutive months' experience in a CNF and certification by supervisor.
EE	Single Integrated Operations Plans (SIOP) Experience	Experience must be a Numbered Air Force level or higher.
EF	Revolutionary Warfare	Requires completion of Revolutionary Warfare course, MAC 156000 (PDS code LZP), and a minimum of 6 months' experience in a special operations unit or other unit tasked with an unconventional warfare mission or in a staff position involving duties in direct support of unconventional warfare. Individuals possessing a minimum of 12 months' experience in special operations may qualify without completion of formal training. Individuals designated experience set EF normally should not be designated EH based on the same experience or duties.
EG	Psychological Operations	Requires completion of the USAF Psychological Operations Course and 6 months' experience in a staff position involving duties in direct support of psychological operations; or completion of the US Army Psychological Operations Officer Course.
EH	Foreign Internal Defense or Civic Action	Requires knowledge of Foreign Internal Defense (FID) mission and doctrine, special operations techniques of employment and capabilities and limitations of special operation aviation-FID resources; a minimum of 12 months' experience in a FID operational unit or a special operations staff position involving direct support of FID operations; completion of course AFSOC 158002 (PDS code WA7) and one of the following courses: AFSOC 142002 (PDS code 4ST), AFSOC 145002 (PDS code TN3), AFSOC 146002 (PDS code X9C), AFSOC 151002 (PDS code 86Y), AFSOC 152002 (PDS code 98V), AFSOC 156002 (PDS code LZP), SAM-CO (PDS code 9AZ) or SAM-O (PDS code 1GG); and recommendation by HQ AFSOC. ***NOTE:*** HQ AFSOC recommendation will be based on evaluation of member's experience by HQ AFSOC/DOOD.
EI	All Weather Recovery System (PAVE LOW)	Two years of direct OT&E experience with at least 1 year's experience in one of the following OT&E areas: test design, test analysis or evaluation, data reduction, data analysis, test conduct, or test report writing.
EJ	Joint Operation Planning and Execution System (JOPES) OPLAN Writer or Developer	Requires knowledge of policy and procedures described in JOPES Volumes I and II, and Global Command and Control Systems concepts, completion of the Contingency Wartime Planning Course, and 12 months' experience in deliberate and crisis action planning at major command or higher headquarters level.
EK	Joint Operation Planning and Execution System (JOPES) Automated Data Processing (ADP) Management	Requires knowledge of USAF War and Mobilization Plans Volumes I, III, and IV procedures described in AFMAN 10-401, JOPES Volumes I and II; knowledge of JOPES ADP modules used to manipulate and analyze OPLAN data; completion of the Contingency Wartime Planning Course and JOPES course, and 12 months' experience in deliberate and crisis action planning.

EXP SET	TITLE	EXPLANATION
EL	Joint Operation Planning and Execution System (JOPES) Programmer/Analyst	Requires 12 months' experience as an analyst or programmer on the Worldwide Military Command and Control System (WWMCCS) (Honeywell 6000) computer and minimum of 6 months' experience with JOPES software. Experience with WWMCCS and JOPES may be concurrent.
EM	Contingency Operation/Mobility Planning and Execution System (COMES) Management	Requires knowledge of USAF War and Mobilization Plans Volumes I, III, and IV procedures described in AFMAN 10-401; knowledge of COMPES modules used in inputting, extracting, manipulating, and analyzing OPLAN data; completion of the Contingency Wartime Planning Course, and 12 months' experience at major command or wing level in deliberate and crisis action planning.
EN	BLUE FLAG (Korean)	Requires completion of participation in a BLUE FLAG combat readiness exercise in the applicable scenario.
EO	BLUE FLAG (Contingency)	
EP	COPE THUNDER	Requires completion of participation in a COPE THUNDER combat readiness exercise.
EQ	BLUE FLAG (Northern Region)	Requires completion of participation in a BLUE FLAG combat readiness exercise in the applicable region NATO scenario.
ER	BLUE FLAG (Central Region)	
ES	BLUE FLAG (Southern Region)	
ET	Weapons Safety (Explosives and Nuclear)	Requires completion of Weapons Safety Officer Course (G30ZR4054X) or 6 months' consecutive experience in explosives and/or nuclear weapons safety functions.
EU	German Air Defense Ground Environment (GEADGE)	Requires 120 days' experience in GEADGE positions and certification as combat ready by the supervisor.
EV	SAC Instrument Flight Course (SIFC)	Requires completion of the SAC Instrument Flight Course.
EW	Worldwide Military Command and Control System (WWMCCS) Intercomputer Network (WIN) Operator	Requires knowledge of WIN operations; completion of the WIN course; and 6 months' experience at major command, numbered Air Force, field operating agency, or wing WIN operations.
EX	Electronic Combat Coordinator	Requires completion of course S-V8E-S, Electronic Combat Coordinator (ECC), 6 years' flying experience, 6 months' experience as an ECC, and commander or supervisor recommendation.
EY	Stage Crew Manager	Requires completion of Air Mobility Command & Stage Crew Management Training course.
E2	Pacific SAC ADVON	Requires recommendation and certification by HQ SAC/DOOC.
E3	European SAC ADVON	Requires recommendation and certification by HQ SAC/DOOC.
E4	Southwest Asia SAC ADVON	
E5	Atlantic SAC ADVON	
E6	Theater Battle Management (TBM)	Requires knowledge of TBM command and control system (i.e., CTAPS); completion of the Contingency Wartime Planning Course or Joint Doctrine Air Campaign Course, and 6 months' experience in TBM duties.
MEDICAL EXPERIENCE SETS		
FA	Aeromedical Staging	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.

EXP SET	TITLE	EXPLANATION
FB	Special Care Unit	Requires 12 consecutive months' experience in a Special Care Unit (SCU) (either multipurpose, medical, surgical, or combinations thereof) designated for the intensive nursing care of critically ill adult and/or pediatric patients. Experience in a unit classified as close observation room is not creditable. Requires recommendation by immediate supervisor and approval of Chief Nurse. Nurse officers with equivalent preservice experience are eligible after 6 consecutive months' of active duty experience.
FC	Chief of Hospital Services/ MAJCOM Chief of Professional Services	Requires 12 months' experience, either primary or additional duty, as Chief of Hospital Services or MAJCOM Chief of Professional Services; and recommendation of supervisor.
FD	Health Facilities Officer	Requires 12 months' experience while assigned to a medical organization with duties exclusively devoted to health facilities planning activities in support of a major construction effort (MCP), or 24 months' experience while assigned to a medical organization with at least 33% of the duties of the entire period devoted to coordinating activities in support of an extensive construction program.
FE	Research	Requires 12 consecutive months' experience in the respective medical specialty and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FF	Biomedical Equipment Maintenance	Requires completion of an Air Force biomedical equipment maintenance course or equivalent (as determined by the Surgeon General, USAF).
FG	Health Systems Analyst	Requires 12 months' experience in functional area supported by an ADP System (experience must be in system design, analysis, or management of ADP system) or 12 months' experience in a staff (MAJCOM or higher) position where primary duty is management of systems analysis or design of automated systems; or completion of one of the following educational programs: bachelor's or master's degree in computer science or informational systems science; 5-week AETC Computer System Analysis and Design Course; Education with Industry (EWI) tour in systems analysis; completion of the Medical Information Internship Program.
FH	Pediatric Nursing	Requires 12 consecutive months' experience, recommendation by immediate supervisor, and approval of Chief Nurse. Nurse officers with equivalent preservice experience are eligible after 6 consecutive months of active duty experience.
FI	Public Health	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FJ	Primary Care Clinic	Requires 12 consecutive months' experience, recommendation by immediate supervisor, and approval of Chief Nurse.
FK	Director, Ambulatory Services	Requires 12 months' experience as a Director of Ambulatory Services.
FL	Aeromedical Evacuation	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FM	Hyperbaric Nursing	Requires successful completion of Hyperbaric course at USAFSAM and four therapeutic dives.
FN	Base Dental Surgeon	Requires a minimum of 24 months as Base Dental Surgeon at a base or facility having four or more dental officers.
FO	Medical Materiel	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FP	Nominee, ACHA	Notification by American College of Hospital Administrators (ACHA) of acceptance. (Letter/Certificate).
FQ	Member, ACHA	
FR	Fellow, ACHA	

EXP SET	TITLE	EXPLANATION
FS	Renal Dialysis	Requires 12 consecutive months' experience, recommendation by immediate supervisor, and approval of Chief Nurse. Nurse officers with equivalent preservice experience are eligible after 6 consecutive months' of active duty experience.
★FT	Health Promotion Manager (Created 30 Apr 99)	Requires completion of the Cooper Institute for Aerobics Research Health Promotion Director certification course, 12 months of experience in a health promotion manager position, and commander's recommendation.
FU	Inhalation Therapy	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FW	Infection Control/Nurse Epidemiologist	Requires 12 months' experience and recommendation by Chief Nurse.
FX	Oncology	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FZ	Medical Operations	Requires 24 months' experience in a Plans and Operations function involved in contingency planning at MAJCOM, USAF, Unified Command, or Joint Staff level. Completion of Armed Force Staff College may be substituted for 12 months' experience.
F1	Quality Assurance Coordinator	Requires 12 months' experience as a Quality Assurance Coordinator and recommendation of Director, Base Medical Services. (For use with Activity Code H).
★F2	Social Health Insurance Systems Manager	Requires 24 months of experience in government health programs such as CHAMPUS, VA, CHAMPVA, Medicare, Medicaid, and FEHBP. Completion of master's level graduate education or post-graduate doctoral level education where the major area of concentration related to study of third party reimbursement systems or one of the Federal health programs may be substituted for 12 months of experience.
F3	Medical Air Reserve Forces	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
F4	Recruiting	Requires 12 months' experience in medical recruiting and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
F5	Health Promotion Coordinator	Requires 12 months' experience in health promotion coordinator duties.
★F6	Emergency Department/ Services	Requires 12 months of consecutive experience in level I or II emergency services. Recommendation by immediate supervisor; for nurses, by the chief nurse. Nurse officers with equivalent preservice experience are eligible after 6 consecutive months of active duty experience.
★F7	Charge Nurse	Requires 12 months of consecutive experience as a charge nurse at a USAF medical facility and recommendation by immediate supervisor and chief nurse. AFSC 46AX positions are not to be identified by this SEI.
F8	General Dental Officer-Clinical Specialist	Requires 10 months' formal dental education in the form of clinical rotation under the supervision of board certified or qualified specialists. Designation approval based on AFMPC evaluation of experience. Officers should submit appropriate Air Force certification of training through the base and MAJCOM Dental Surgeon to HQ AFPC/DPAMD.
F9	Advanced Trauma Life Support (ATLS) Qualified Instructor	Requires completion of an advanced trauma life support instructor course.

EXP SET	TITLE	EXPLANATION
F0	Air Transportable Hospital	Requires 24 months' consecutive experience through an assignment at an Air Transportable Hospital (ATH) that deploys at least twice annually and a recommendation from immediate supervisor and approval of the chief nurse.
		LEGAL EXPERIENCE SETS
JA	Staff Judge Advocate	Advises the commander and staff on legal matters. Supervises activity of other judge advocates. Function is limited to the senior or designated judge advocate on the staff of the commander. Requires 6 consecutive months' experience and recommendation by supervisor.
JB	Area Defense Counsel	Acts as defense counsel for the accused in general, special, and summary courts-martial and in Article 32 (UCMJ) investigations, as appointed. Provides legal advice and representation in Article 15 (UCMJ) proceedings, separation actions, and administrative boards, as available. Serves as military legal advisor in foreign criminal cases. Requires 6 consecutive months' experience and recommendation by supervisor.
JC	Circuit Counsel	Accomplishes pre-trial, trial, and post-trial matters incident to general and special courts-martial and other military justice activities. Function is limited to Circuit Counsel. Requires 6 consecutive months' experience and recommendation by supervisor.
JD	Appellate Counsel	Activities involve preparation and filing of petitions and briefs before the US Court of Military Appeals, filing assignments of error and replies before the USAF Court of Military Review, and oral argument before both courts. Function is limited to Appellate Defense Counsel and Appellate Government Counsel. Requires 6 consecutive months' experience and recommendation by supervisor.
JE	Military Judge	Includes Appellate Military Judges on the USAF Court of Criminal Appeals who review courts-martial pursuant to Article 66 of the Uniform Code of Military Justice (UCMJ) and the Commissioner. Also includes the Trial Judiciary Officer and the Special Courts-Martial Judiciary Officer who are responsible for the fair and orderly conduct of courts-martial and other proceedings. Requires 6 consecutive months' experience and recommendation by supervisor.
JF	Military Justice Reviewing Officer	Supervises the administration of military justice. Reviews records of courts-martial and nonjudicial disciplinary proceedings and advises as to the appropriate action. Limited to positions at Numbered Air Force levels exercising general courts-martial jurisdiction and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JG	Logistics Contract Law Specialist	Responsible for providing legal advice regarding the solicitation, award, and administration of contracts relating to logistical support and maintenance of weapons systems on a worldwide basis. Limited to logistics contract law specialists at HQ AFMC and at Air Logistics Centers. Requires 6 consecutive months' experience and recommendation by supervisor.
JH	Systems Contract Law Specialist	Responsible for providing legal advice and support for all phases of the contracting process and associated activities involved in the research and development, test and evaluation, and acquisition of weapon systems and subsystems. Limited to positions at HQ AFMC activities, including positions in support of AFMC functions at other installations. Requires 6 consecutive months' experience and recommendation by supervisor.
JI	General Contract Law Specialist	Includes positions at HQ USAF and MAJCOMs whose incumbents are responsible for support of contracts initiated at their command level, for establishing contracting policy and guidance, and for reviewing contract actions initiated at subordinate levels. Also includes contracting center and ASBCA judges and attorneys. Requires 6 consecutive months' experience and recommendation by supervisor.

EXP SET	TITLE	EXPLANATION
JJ	Civil Law Specialist	Activities involve legal advice, support, and supervision of various civil law programs, including legislation, tax, public utility, environmental, preventive law and legal assistance, patent, and civil law programs. Limited to positions at the Numbered Air Force level and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JK	Administrative Law Specialist	Renders legal advice and opinions on questions arising from the interpretation of statutory law, regulations, and other directives. Responsible for providing legal review of and guidance for administrative proceedings wherein the rights, privileges, property, and status of personnel may be affected. Includes personnel law, fiscal law, forensic medicine law, transition, and conflict of interest. Limited to positions at Numbered Air Force level and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JL	Claims and Tort Law Specialist	Responsible for investigating, adjudicating, negotiating, paying, and collecting claims involving personal injury, death, or property damage filed both against and in favor of the Air Force under applicable claims statutes and implementing directives. Provides support, assistance, and legal consultation on cases litigated under the Federal Tort Claims Act. Limited to positions at Numbered Air Force and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JM	Forensic Medicine Specialist/Physical Evaluation Board Counsel	Limited to those assigned to USAF Medical Centers and HQ USAF. Advises commander on legal administration of the Center; legality of professional actions, investigating, processing, and evaluating malpractice claims; instructing medical personnel in forensic medicine; and providing legal assistance. Also includes JA who represents personnel before the formal Physical Evaluation Board (PEB) and JA/PEB members. Requires 6 consecutive months' experience and recommendation by supervisor.
JN	International Law Specialist	Advises on international law; and foreign domestic law, including the law of armed conflict, Geneva Convention, air and outer space law and the law of the sea. Responsible for foreign criminal trials involving Air Force personnel; civil litigation in foreign courts; negotiation, drafting, and collection of international agreements affecting the Air Force. Limited to positions at Numbered Air Force and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JO	Labor Law Specialist	Provides legal advice and support, including representation, in labor management relations proceedings, disciplinary and adverse actions, and equal opportunity matters. Participates in the negotiation drafting and review of collective bargaining agreements. Limited to positions at Numbered Air Force and above, training centers, and AFSC activities. Requires 6 consecutive months' experience and recommendation by supervisor.
JP	Lawyer Serving as Line Officer	Requires possession of the LLB or JD degree in Law issued by an accredited law school.
JQ	Environmental Law Specialist	Responsible for providing environmental legal advice and support to commanders, staff agencies, and technical specialists. Reviews and provides legal guidance for preparation of environmental assessments and statements and for permits and compliance requirements under Federal and state statutes and regulations. Assists in Air Force litigation involving environmental law questions. Limited to positions at Numbered Air Force and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JR	Base Contract Specialist	Requires 6 months' experience in base level contract functions and successful completion of a basic contract course.

EXP SET	TITLE	EXPLANATION
JS	Base Claims Specialist	Responsible for investigating adjudicating, negotiating, paying, and collecting claims involving personal injury, death, or property damage filed both against and in favor of the Air Force under applicable claims statutes and implementing directives. Limited to positions at base level. Requires either attendance at USAF Judge Advocate General's Claim & Tort Litigation course and 6 months' base-level claims experience or 12 months' base-level claims experience and recommendation by supervisor.
		LOGISTICS EXPERIENCE SETS
KA	Manufacturing Planning	Assigned to a production/manufacturing functional office. Must have participated in review/evaluation of a contractor's manufacturing planning during either validation phase or full-scale development phase of the acquisition cycle or planning of a major modification program. Tasks monitored and reported on must include at least all of the following: facilities and equipment requirements, plant layout/work flow, make or buy studies, development of production schedules, productivity analysis, manufacturing methods, introduction of new manufacturing technology (materials and processes) and man-hour estimates. Time period for award: 24 months.
KB	Manufacturing (Systems)	Pre-award, and post-award actions related to the contractor's ability to meet the contract terms and delivery schedule as required for the administration of contracts.
KC	Pricing Analyst	Responsible for contract price and cost analysis technique developments, and program evaluations pertaining to all phases of contract placement, modification, and contract completion in acquisition, fielding, and support of systems, subsystems, and equipment. Time period for award: 24 months.
KD	Contracting Officer	Pre-award, award, and post-award activities requiring the possession and exercise of a Contracting Officer's warrant.
KE	Administrative Contracting Officer (ACO)	Contact administration activities requiring the possession and exercise of an Administrative Contracting Officer's warrant.
KF	Base Contracting	Management, control, and accomplishment of the CONUS base contracting mission. This includes staff and supervisory position and Base Contracting Officer positions involving buying, contacting, CIAPs, and contract administration in the contacting of supplies, services, and construction for support of local operations.
KG	Contracting Overseas	Management, control, and accomplishment of the overseas base or regional contracting mission.
KH	Production (Central or Departmental)	Pre-award, award, and post-award actions related to the contractor's ability to meet contract terms and delivery schedules for contracting for subsystems or equipment in support of weapons systems.
KI	Quality Assurance	Control of the quality of material procured for the Air Force inventory.
KJ	Program Management Responsibility Transfer (PMRT)	Directly responsible for planning and implementing Program Management Responsibility Transfer for systems, sub-systems, or equipment from an implementing command to a supporting command. Time period for award: 18 months.
KK	Deputy Program Manager for Logistics	Twelve months' experience as Deputy Program Manager (DPML) or Logistics Manager in an Air Force Systems Command, Army, or Navy program or project office.
KL	Space Acquisition Logistics	Requires 12 months' experience in the formulation of advanced operational plans, concepts, and policies in support of space systems.

EXP SET	TITLE	EXPLANATION
KQ	Airlift Contracting-Buying	Pre-award, award, and post-award contracting activities related to the solicitation, pricing, negotiation, award, and administration of contracts for the acquisition of commercial airlift capability which are in direct support of a warranted contracting officer. Requires 12 consecutive months' experience and recommendation by supervisor.
KR	Contract Termination	Actions related to contract terminations for convenience and default which require the possession and exercise of a contracting officer's warrant. Requires 12 consecutive months' experience and recommendation by supervisor.
KS	Contract Administration	Pre-award, award, and post-award activities not requiring possession and exercise of a contracting officer's warrant.
K1	Air Transportation	Requires 12 months' experience working in or managing air transportation systems, including aerial ports of embarkation and debarkation, mobile aerial ports, aerial delivery sections, or combat mobility branches.
K2	Traffic Management	Requires 12 months' experience working in or managing an Air Force traffic management office, consolidated personal property shipping office, joint personal property shipping office, water port liaison office, or serve as a traffic manager in Military Traffic Management Command.
K3	Vehicle Maintenance or Management	Requires 12 months' experience serving a vehicle maintenance, vehicle management, or vehicle operations officer, including civil engineering heavy equipment (RED HORSE) vehicle maintenance shops.
K4	Transportation Plans and Programs	Requires 12 months' experience serving as a transportation plans and program officer at base, numbered Air Force, major command, or Headquarters United States Air Force level; or in an equivalent position in a joint duty assignment. (i.e., USTRANSCOM, USEUCOM, etc.)
LA	AF Logistics Officer Career Broadening Program	Performs duty in the logistics officer career broadening program as established by AFI 36-2111, *The Logistics Career Broadening Program.* Time period for award: 24 months.
LB	AFMC International Logistics Training Program	Performs duty in the AFMC International Logistics Training Program. Time period of designation: 9 months'.
LC	Explosive Ordnance Disposal (EOD)	Responsible for establishing procedures for detection, identification, rendering safe, recovery, or destruction of US and foreign munitions. Organizes and trains teams of munitions disposal experts. Involves field, staff, and staff responsibilities from squadron level through HAF.
LE	Maintenance Control	Supervises the maintenance staff function; responsible for directing maintenance production activities, authorizing the expenditure of resources, and controlling the actions required to support the mission per AFI 21-101, *Air Force Maintenance Management.* The Maintenance Control Officer manages the full cycle of production by planning, scheduling, directing, and controlling all maintenance on primary mission, mission support, and transient aerospace vehicles.
LF	Munitions Technical Escort	Requires completion of a specialized chemical munitions technical escort officer course.
LI	Fuels Officer	Requires completion of a fuels management course and a minimum of 18 months as a Base Fuels Management Officer.
LM	ALC Directorate of Materiel Management	Requires 1 year in performing or supervising Directorate of Materiel Management Activities.
LO	Logistics Composite Model	Requires 12 months' working level experience.
LS	Logistics Sustainment (Created 31 Oct 98)	Requires 24 consecutive months of experience in performing duties in a sustainment position.
LW	Operational or Mobility or WRM Planning	Requires completion of 1 year of operational planning and mobility WRM experience at wing or base level.

EXP SET	TITLE	EXPLANATION
	WEATHER EXPERIENCE SETS	
N2	Special Operations Weather Team	Requires 6 consecutive months' experience and supervisor's recommendation.
	SPECIALIZED SYSTEMS/MISSILES EXPERIENCE SETS	
PN	LGM-25C	Requires 6 consecutive months' experience with Titan II.
PO	WS-133A	Requires 6 consecutive months' experience with Minuteman I.
PP	WS-133B	Requires 6 consecutive months' experience with Minuteman II, III.
PQ	WS-133A/M	
PS	AGM-65/MAVERICK	Requires completion of a formal training course or local in-unit upgrade in accordance with appropriate training syllabus and a training certification signed by the unit commander or his designated representative.
	SPECIALIZED SYSTEMS/RADARS EXPERIENCE SETS	
QC	Radar Sensor Operations/Maintenance Evaluation	Requires 6 consecutive months' experience plus formal or informal training and recommendation by supervisor.
RN	Air Support Radar Team (ASRT)	Requires 6 months' experience on AN/TPB-1, service on an Air Support Radar Team, and recommendation by supervisor.
S1	Space Shuttle Operations	Requires 12 months' experience at the Johnson Space Center working in a NASA shuttle mission integration and/or operations capacity.
S2	Mission Control Complex (MCC) Operations	Requires completion of Satellite Test Center (STC), STC Data Modernization (DSM) Training and 18 months' experience.
S3	Cheyenne Mountain Complex, Missile Warning Center	Requires 6 consecutive months' experience in the Cheyenne Mountain Complex, Missile Warning Center. (For use with AFSCs 13SX).
S4	Cheyenne Mountain Complex, Space Defense Operations Center	Requires 6 consecutive months' experience in Cheyenne Mountain Complex, Space Defense Operations Center. (For use with AFSCs 13SX).
S5	Cheyenne Mountain Complex, NORAD Space Surveillance Center	Requires 6 consecutive months' experience in Cheyenne Mountain Complex, NORAD Space Surveillance Center. (For use with AFSCs 13SX).
	INTELLIGENCE FUNCTIONS EXPERIENCE SETS	
TA	Western Europe	Requires authorization of AFIT or one of the USAF Area Studies Program sponsoring agencies in accordance with AFR 36-16, *Foreign Area Studies Program*.
TB	Eastern Europe	
TC	Soviet Union	
TD	North Africa	
TE	Sub-Sahara Africa	
TF	Middle East	
TG	South Asia	Requires authorization of AFIT or one of the USAF Area Studies Program

EXP SET	TITLE	EXPLANATION
TH	Mediterranean	sponsoring agencies in accordance with AFR 36-16, *Foreign Area Studies Program*.
TI	Southeast Asia	
TJ	Caribbean	
TK	Latin America	
TL	Far East	
TR	Targeting (Created 31 Oct 97)	Requires completion of course X30XR14N3B 000 (PDS Code 227), 12 months' experience, and recommendation by commander or designated representative.
TS	Tactical Information Processing and Interpretation (TIPI) System	Requires 12 months' experience performing in TIPI II Segment and certification by the TIPI II Segment supervisor; or completion of appropriate TIPI II Segment Supervisor Course (G4OST8044 or G3OZR8044) or TIPI Segment Operator Course (G4AST20650 or G3AZR20650).
TT	NSA Cryptological Career Program	Requires program completion.
TU	Geospatial (Created 31 Oct 97)	Requires completion of course X50BD14N1 001 (PDS Code PJV), 24 months' experience, and recommendation by commander or designated representative.
TY	Intelligence Resource Management	Requires completion of formal courses or 18 months' direct experience in intelligence aspects of resource management systems or processes (e.g., planning, programming, and budgeting systems, the Consolidated Defense Intelligence Program), to include the management of manpower/personnel actions associated with major intelligence systems.
T3	Synthetic Aperture Radar (SAR) or Sidelooking Airborne Radar (SLAR)	Requires completion of the SAR course developed by the Defense Sensor Interpretation and Application Training Program, the Advance Sensor Imagery Analysis Training course, or 18 months' experience in the exploitation of strategic or tactical radar imagery.
T4	Intelligence Precision Photographic Processing	Requires completion of the officer Precision Photographic Processing course, 12 consecutive months' experience in Precision Photographic Processing functions, and recommendation by supervisor.
T5	Imagery Intelligence (IMINT) (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course and minimum 24 months' experience in an imagery production, collection, or analysis position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.
T6	Human Intelligence (HUMINT) (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course and 3A-S13Q/3C-AS19N/241-ASIN7, Strategic Debriefing Course, minimum 24 months' experience in a resources intelligence position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.
T7	Collection Management (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course and X50ZD14N4B-000, Intelligence Collection Management Course, minimum 24 months' experience in an intelligence collection management position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.
T8	Signals Intelligence (SIGINT) (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course, minimum 24 months' experience in a cryptologic position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.
T9	Measurement and Signature Intelligence (MASINT) (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course, minimum of 24 months' experience in a MASINT position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.

EXP SET	TITLE	EXPLANATION
T0	Systems Management (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course, minimum of 24 months' experience in a systems management position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.
GENERAL EXPERIENCE SETS		
UA	Instructor	1. For all career areas other than medical: Formal course in technical or professional instructing and 1 year of military teaching experience. 2. For medical career area except physicians: Requires 6 months' experience in academic instruction relating to the management of Continuing Health Education (CHE), residency, internship, or in-service training program. 3. For Physicians: Requires 6 months' experience as an academic and/or clinical instructor in an internship, residency, or fellowship program.
UB	Inspector	Designation approval based on HAF or AFPC evaluation of experience.
UC	Certified Public Accountant	Requires 6 consecutive months' experience and certification by state or district board.
UD	Human Relations	Requires 6 consecutive months' experience in functions such as equal opportunity and treatment and race relations.
UE	Education in Race Relations	Requires 6 consecutive months' experience.
UF	Social Actions as Additional Duty	Managing social actions programs on an additional duty basis in a geographically separated unit for 8 months. Must have completed additional duty social actions training and have commander's and MAJCOM's approval.
UG	Command Experience/ Qualified AFSC Dual Mission	Requires 6 months' experience in Communications-Electronics/Air Traffic Control organizations.
UH	USAF Postal Experience	Requires 6 consecutive months' experience.
UI	USAF Advance Agent for Presidential Trips	
UJ	Previous Experience as Primary Duty Protocol Officer	Requires 6 consecutive months' experience and supervisor's recommendation.
UK	Contingency Planning Support Capability (CPSC) Experience	Requires 6 months' experience using the CPSC in support of MAJCOM planning and execution activities and completion of the introduction to 6000 Programming/WWMCCS and 6000 Data Management System/WWMCCS courses, or 12 months' experience using the CPSC. Experience must be attained at MAJCOM level or higher.
UL	Airspace Management	Requires (1) 6 months' consecutive experience in the airspace management portion plus (2) completion of the USAF Airspace Management course.
UM	Administrative Systems Management	Completion of the Automated Administration Systems Course and 6 months' experience in administrative office systems, or 12 months' experience in administrative office systems.
UN	Mishap Board President	Requires completed participation as a board president of a mishap investigation board (aircraft, missile, nuclear, explosives, or industrial.)
UO	Journalistic Experience	Requires 6 months' experience and/or training in censorship activities.
UP	Drug and Alcohol Abuse Control	Requires a minimum of 12 months' experience working in support of the Drug/Alcohol Treatment Program.
UQ	Tactical Air Control System Direct Air Support Center/Air Support Operations Center (TACS DASC/ASOC)	Requires 6 months' experience in either a Direct Air Support Center (DASC) or an Air Support Operations Center (ASOC).

EXP SET	TITLE	EXPLANATION
UR	Tactical Air Control System Airborne Battlefield Command and Control Center (TACS ABCCC)	Requires 12 months' experience in an Airborne Battlefield Command and Control Center (ABCCC) position.
US	Aerial Combat Maneuvering Instrumentation (ACMI) Operator	Requires 12 months' experience.
UT	Tactical Air Control System Tactical Air Control Center (TACS TACC)	Requires 6 months' experience in Tactical Air Control Center (TACC) positions.
UU	Morale, Welfare, and Recreation (MWR)	Requires 12 months' experience in an MWR activity.
UV	Nonappropriated Fund Financial Management (NAFFM)	Requires 12 months' experience in an NAFFM function.
UW	Air Base Ground Defense	Requires completion of one of the following courses: (1) L3OZR8124-004, Ground Defense Flight Leader, PDS code 34G (May 84 through Jun 87); (2) L50ZA8124-010, Infantry Officer Basic Course (IOBC), PDS code YRD (Apr 78 through Oct 84); (3) L30ZR8116-000 or L3OZR8116-001, Ground Defense Command Course, PDS code 2JT or 54L (Aug 81 through current date); (4) L5OZA8124-016, Air Force Level 4, Ground Combat Skills, PDS code 9PE (Oct 87 through current date).
UX	Manned Spaceflight Engineer (MSE)	Requires completion of the Manned Spaceflight Engineer (MSE) Qualification Program (managed under the AF Manned Spaceflight Engineer/Payload Specialist (MSE/PS) Program by AFSC/Space Division).
UY	Payload Specialist (PS)	Requires completion of the Manned Spaceflight Engineer (MSE) Qualification Program (managed under the AF MSE/PS Program by AFSC/Space Division), selection as a PS on a DOD Space Transportation System (STS) mission, and completion of 12 months' in a designated PS position.
UZ	Mission Qualified Payload Specialist (PS)	Requires completion of the Manned Spaceflight Engineer (MSE) Qualification Program (managed under the AF Manned Spaceflight/Payload Specialist Program by AFSC/Space Division), selection as a PS on a DOD Space Transportation System (STS) mission, and completion of one flight on an STS mission.
U1	MAJCOM Level Readiness	Requires 12 months' experience and working knowledge in one or more of these areas: Managing MAJCOM play in Joint Staff exercises and war plans; writing annexes for CONPLANS, OPLANS, OPORDS, Contingency Operations Mobility Planning and Execution System (COMPES-M); JOPS/JDS procedures, Worldwide Mobility Command and Control System (WWMCCS) and WWMCCS Intercomputer Network (WIN) procedures; and MAJCOM mobilization procedures. - Also requires familiarity with exercise activities. Experience set U1 also pertains to officers assigned to DOD and Air Force level functions, including DOD Joint Commands, AFMPC, ARPC, AFRES, and NGB, except that these functions require 24 months' experience. Readiness managers at MAJCOM, SOA, or higher headquarters will request award for officers who become qualified, ensuring appropriate documentation for award.
U2	ASTRA Officer	Requires participation in Air Staff Training (ASTRA) Program.

EXP SET	TITLE	EXPLANATION
U3	Mishap Investigator	Requires completed participation in a mishap investigation board as mishap investigator (aircraft, nuclear, explosives, or industrial).
U4	Career Broadening Program	Requires 12 months' experience.
U5	ANG Advisor	
U6	Service on a Joint or Combined Staff	Requires 6 consecutive months' experience.
U7	Instructional Systems Development (ISD) Manager	Requires 12 months' experience in ISD work and completion of AETC course 3AZR75133, Instructional System Designer or equivalent. (A master's degree in education may be considered as one acceptable substitute for the ISD course.) Requires recommendation of MAJCOM ISD office before designation.
U8	Aerial Spray Operation	Requires 6 months' experience and commander's recommendation.
U9	Maintenance Mishap Investigator	Requires completed participation in a mishap investigation as a maintenance member of an aircraft investigation mishap board.
U0	Medical Mishap Investigator	Requires completed participation in a mishap investigation as a medical member of an aircraft mishap investigation board.
CIVIL ENGINEERING EXPERIENCE SET		
VA	Professional Engineer or Architect	Has been certified as a professional engineer or architect by any state registration board.
VH	Special Technical Operations	Requires recommendation and certification by the Joint Staff. (For use with activity code Y.)
RESEARCH AND DEVELOPMENT ENGINEERING EXPERIENCE SETS		
XA	Economics	Applies economic techniques to data concerning such topics as military compensation, personnel use, and manpower allocation. Requires 12 consecutive months' experience.
XB	Nuclear Weapons	Develops, tests, evaluates, and applies the technology concerning nuclear fission and fusion bombs and warheads; fusing and firing; release and ejectors; installation; handling equipment; test and maintenance equipment. Requires 12 consecutive months' experience.
XC	Survivability/ Vulnerability	Determines system and component response to nuclear weapon effects or non-nuclear weapon effects such as air blast, thermal, x-ray, gamma, neutron, EMP, etc., by use of analytical techniques and numerical computations. Conducts analyses of the influence of response upon mission performance. Develops techniques to simulate nuclear weapon effects on systems, subsystems, and components. Conducts effects experiments in the laboratory, in above-ground and in-site simulators, and in underground nuclear events. Techniques employed include electrical and high explosives. Develops transducer, recorders, and other instrumentation associated with experimentation. Applies specialized engineering services to establish S/V requirements and programs for aerospace systems. Develops and applies techniques at the component, subsystem, and system level to assure that mission performance is not degraded by the effects of nuclear weapons. Requires 12 consecutive months' experience.
XD	Laser Development	Develops, test, and evaluates high energy laser systems. Designs, constructs, and tests gas laser systems and subsystems, including cryogenic and high pressure fluid supply systems, electrical supply systems, aerodynamic cavities and flow systems, and power extraction optics. Draws on knowledge in areas of aerodynamics, instrumentation, and applied optics. Also applies to low-energy laser. Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
XE	E/O Guided or Designated Weapons	Uses electro or optical means (lasers, TV, etc.) in improving weapon accuracy and effectiveness. Requires 12 consecutive months' experience.
XF	Electronic Components	Develops, test, evaluates, and applies the technology concerning condensers, resistors, tubes, solid state circuitry and components; transmission lines; impedance elements; electronic and gas tubes; solid state; ferromagnetic and ferromagnetic devices, waveguides and waveguide devices; molecular electronics such as file deposition, crystal growths, thin-film techniques. Requires 12 consecutive months' experience.
XG	Electromagnetic Waves	Analyzes electromagnetic wave transmissions to determine effect of propagation media on the wave form. Includes test and analysis of various scatter modes, ionospheric reflection and refraction, ground waves, wideband radio, and radio. Considers effects of phase distortion, polarization, fading, multipath; measurement of dynamic antenna patterns and radar reflective areas; analysis of flight data to computer simulation. Requires 12 consecutive months' experience.
XH	Infrared Techniques	Develops, tests, evaluates, and applies the technology concerning infrared detectors, detector cooling, optical systems and materiels, radiation measurements, discrimination techniques, propagation, target and background characteristics, infrared countermeasures (ICRM). Requires 12 consecutive months' experience.
XI	Electrical Energy Sources	Develops, tests, evaluates, and applies the technology concerning energy sources--chemical, solar and nuclear; energy conversion processes--including photovoltaic, thermionic, photoelectric, fuel cells, batteries, solar mechanical, geothermal nuclear mechanical chemical combustion, solar collections, solar cell arrays, and radiators; power transmission--hydraulic and pneumatic systems, electrical components including circuit control devices, inverters, and actuators; power system integration--systems study and analysis. Time period for award: 18 months.
XJ	Aerial Photographic Equipment	Develops, tests, evaluates, and applies the technology concerning reconnaissance and recording cameras, control systems, mounts, photonavigation, motion compensation, and indexing. Requires 12 consecutive months' experience.
XK	Optics and Photographic Materials	Develops, tests, evaluates, and applies the technology concerning new lenses; optical material, high speed emulsions; photosensitive materials and processes; special lenses; sensitometric processes; and eye protection. Requires 12 consecutive months' experience.
XL	Propulsion Research	Develops, tests, evaluates, and applies the technology concerning aerothermodynamics, combustion, heat transfer, energy sources, energy release and transformation, and conversion to work. Requires 12 consecutive months' experience.
XM	Fuels and Lubricants	Develops, test, evaluates, and applies the technology concerning hydrocarbon fuels, high energy fuels, oils, greases, synthetic compounds, hydraulic fluids, rocket propellants. This includes solid propellants which consist of metal fuels and oxidizers held together by a chemical binder. Requires 12 consecutive months' experience.
XN	Nonmetallic Materials	Develops, tests, evaluates, and applies the technology concerning plastics; ceramics; elastomers, wood; textiles; paints; adhesives and sealants; coatings; composites, fibrous materiels, energy transmission fluids; refractory nonmetallic substances and compounds, brittle state and other fundamental studies; and materiels preservation. Requires 12 consecutive months' experience.
XO	Cryogenic Devices	Develops, tests, evaluates, and applies the technology concerning cryogenic devices used with liquid nitrogen, oxygen, helium, hydrogen, etc. Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
XQ	Electroanalysis	Develops, tests, evaluates, and applies the technology concerning circuit analysis and synthesis; amplification modulation; assembly and assembly techniques; reliability; electronic standards; measurements; signal analysis. Requires 12 consecutive months' experience.
XR	Human Engineering	Controls design, arrangement, and allocation of system function to man and machines; analyzes and designs presentation, input-output devices, and machine language to ensure effective man-machine communication and response; designs for ease of operation and maintenance, instrumentation presentation; work space layout; psycho-physiology factors. Time period for award: 24 months.
XS	Fluid Mechanics	Develops, tests, evaluates, and applies the technology concerning mechanics of fluid motions; gas dynamics; behavior of fluid in zero gravity environment. Requires 12 consecutive months' experience.
XT	Gas Dynamics	Develops, tests, evaluates, and applies the technology concerning wind tunnel studies; air foils; boundary layer control; turbulence; external and internal flow; stability and control; aerodynamic loads; aerodynamic heating; ionization, dissociation, and recombination effects; magnetogas dynamics, electrogas dynamics; equilibrium and nonequilibrium aerodynamic flows, slip and free molecular flow, plasma dynamics and measurement techniques. Requires 12 consecutive months' experience.
XU	Earth and Hydrospheric Science	Develops, tests, evaluates, and applies the technology concerning seismology, geology, geodesy, soil mechanics, geomagnetism, and oceanography. Requires 12 consecutive months' experience.
XV	Atmospheric Sciences	Develops, tests, evaluates, and applies the technology concerning atmospheric structure and composition; cloud physics and nucleation atmospheric radiation; atmospheric electricity and ionization; meteors; cosmic and solar influences; atmospheric acoustics; atmospheric optics; properties of ionosphere; solar simulation. Requires 12 consecutive months' experience.
XW	Sensors	Conducts and manages research, design, development, installation, modification, and testing of equipment to detect and indicate terrain configuration, the presence of military targets and other objects by means of emitted or reflected energy. The energy may be nuclear, electromagnetic, including the visible and invisible portions of the spectrum, chemical, biological, thermal, or mechanical including sound, blast, and earth vibration. Experience may be derived from activities relating to antennas, radomes, structural facilities, transmitters, receivers, information processors, exciters, power supplies, etc. The sensors may be airborne, space vehicle or platform borne, or ground based. Time period for award: 24 months.
XX	Laser Effects or Vulner-ability or Hardening	Determines the effects of laser radiation on materials using both analytical and experimental techniques. Uses both basic physics of interaction data and analytical techniques to assess the vulnerability of aerospace systems, subsystems, and components to laser radiation. Develops techniques and materials for use in hardening aerospace systems to laser radiation. Requires 12 consecutive months' experience.
XY	High or Low Energy Laser Integrator	Integrates components of high energy laser system to carrier platform. Responsible for interface definition, interface control, and configuration management. Assures subsystem compatibility in so far as power control, instrumentation, hydraulics, pneumatics, cooling, heating, flight and dynamic loads, and electromagnetic environment are concerned. Must have engineering degree. Plans and conducts subsystem and system compatibility and functional tests. Ensures commonality of specifications in subsystem procurements. Also applies to low-energy lasers. Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
XZ	Laser Propagation	Analyzes and measures the propagation of laser beams through the atmosphere, aircraft boundary layers, and other intervening media. Draws on knowledge in the areas of atmospheric physics, aerodynamics, turbulence, spectroscopy, matter-radiation interaction, and optics. Requires 12 consecutive months' experience.
X1	Laser Beam Control	Analyzes, develops, tests, and evaluates high or low energy laser systems and subsystems to accurately control and point a laser beam at a designated target. Draws on knowledge in areas of infrared and optical sensors, dynamic control systems, optical physics and engineering, inertial stabilization, servomechanisms, and structural dynamics. Requires 12 consecutive months' experience.
X2	Laser System Optical Components	Designs, develops, and tests high powered cooled and uncooled laser mirrors, windows, gratings, and other optical components. Develops new fabrication techniques for forming and designs coatings for optical surfaces. Familiar with interferometry, microscopy, hear transfer, and holography as applies to design and testing of optical components and subsystems. Also applies to low energy lasers. Requires 12 consecutive months' experience.
X3	Nuclear Weapon Effects (Environment)	Determines phenomenology involved in nuclear detonations; conducts large-scale numerical simulations of nuclear detonations to define radiation and hydrodynamic environments created by nuclear detonation; blast, x-ray, neutron, gamma, EMP, etc. Requires 12 consecutive months' experience.
X4	Econometrics	Combines analytical techniques with economic theory in order to determine optimal solutions to operational, production, or other problems involving costs, tradeoffs, and other economics considerations. Requires 12 consecutive months' experience.
X5	Operations Research or Simulation Analysis	Experience in design, development, documentation, test, and application of complex mathematical, statistical, or simulation techniques for identification of optimum solutions to operational or other problems. Requires 12 consecutive months' experience.
X6	Personnel Measurement	Designs, conducts, and evaluates experiments in occupational analysis, position classification, qualification and skill analyses, recruitment, selection, classification, assignment, performance evaluation, retention, criterion development, career development, work motivation, attitude and personality assessment, advanced statistical test and measurement techniques, and organizational psychology. Individuals must have a minimum of 24 months of experience in occupation or manpower research.
X7	Guidance and Counseling	The primary function of the officer must be in providing guidance or counseling to others. Requires 12 consecutive months' experience.
X8	Personnel and Training Research	Plans and executes research in the areas of personnel and training systems, including job requirements, aptitude testing, evaluation, selection, promotion, human learning, basic skills, etc. Develops and tests hypotheses, plans and conducts experiments and surveys, analyzes and reports results. Develops research proposals and monitors contracts. Serves as scientific consultant to other Air Force and DOD activities. Coordinates and provides staff super vision over personnel and training research programs and projects. Individual must have a minimum of 24 months' experience in personnel and training systems research.
X9	International Programs	Requires supervisor's recommendation and 12 months' experience in international programs such as Security Assistance, International Cooperative Research and Development, Mutual Support Act, Defense Industrial Cooperation, Stockpiling for Allies, or Reciprocal Fuel and Maintenance with foreign governments. ***NOTE:*** For individuals serving in 12 month short tour areas, designation criteria are supervisors' recommendation and 10 months' experience.

EXP SET	TITLE	EXPLANATION
YA	Security Assistance	Experience in the planning, programming, budgeting, procurement, development, acquisition, logistics, training, and in-country support of security assistance programs. Designation establishes that an individual has been involved with some facet of security assistance (Map, Grant, Aid, or Foreign Military Sales) and has specialized knowledge or experience in this area. Requires 12 months' consecutive experience.
YB	Life Cycle Cost Analysis	Responsible for the application of life cycle cost (LCC) techniques or methodologies as a part of system, sub-system, or component design and acquisition. This includes the function of developing and/or using complex calculations or predictions (that may include computer application) which are used either in house or on contract to improve total cost of USAF operational hardware. Time period for award: 24 months.
YC	Key Program Office Position	Reports directly to the Program Manager (System Program Director, etc.). Intent of award is to identify a select pool of officers for possible screening for future assignments to key management positions in the acquisition process. Time period for award: 24 months.
YD	Configuration Management	Organizes for the accomplishment of configuration management program; establishes configuration identification, control, status accounting and audit requirements; manages configuration by analysis and control of engineering changes against baselines; processes Engineering Change Proposals. Time period for award: 18 months.
YE	Program Control	Manages the efforts of the program control function so as to assure that the program is properly planned, documented, correlated, financed, and implemented. This includes the functions of cost estimating, budgeting, scheduling, analyzing, and forecasting. Establishes, revises, and maintains program control reporting procedures. Maintains data to track cost, performance, and schedule parameters in terms of approved thresholds. Should have operating experience with C/SCSC on one program. Requires 12 consecutive months' experience.
YF	Program Analysis	Analyzes system planning and programming data required to implement the USAF directed program. Develops and maintains a time-phased implementation schedule. Analyzes reports submitted by the contractors and evaluates total program progress measured against the master scheduled, budget, and plan; identifies deficiencies; determines impact on program; and recommends corrective action. Should have operating experience with C/SCSC on one program. Requires 12 consecutive months' experience.
YG	Financial Manager	Responsible for all aspects of financial management to include system budget preparation, submission, and justification; fund control; review and analysis of contractor reports; and preparation of independent cost estimates. Establishes, revises, and maintains cost reporting procedures. Develops and issues detailed guidance to contractor(s) for preparation of budget estimates, financial data, and contractor cost studies. Maintains current records of all funds applicable to the program. Should have knowledge of ability to utilize C/SCSC data. Requires 12 consecutive months' experience.
YH	Financial Analyst	Reviews and analyzes contractor funding and manpower reports to reconcile actual results with forecasts. Analyzes and reports on the impact on fund ceiling of system configuration and directed program changes. Evaluates funding deficiencies and the impact on system implementation. Monitors commitment, obligation, and expenditure status and prepares forecasts. Experience with statistical models for cost estimation and analysis. Should have knowledge of ability to utilize C/SCSC data. Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
YI	Field Test Manager	Supervises and manages the field test program for a system or major subsystem. Implements defined test requirements and test objectives. Translates test requirements into integrated systems test methodology. Establishes test schedules, integrates test resources and identifies support requirements. Coordinates the integrated test efforts of support agencies and/or contractors. Prepares, evaluates, and controls test documentation including test plans and procedures. Supervises, prepares, and controls test reporting including test evaluations, assessments, briefings, and reports. Acts as the field test manager for the responsible program office. Air Force Technical Evaluation Center program manager, MAJCOM project manager, or AFMC field logistics or test organization, Deputy Program Manager for Logistics or Air Logistics Center. Requires 12 consecutive months' experience.
YJ	System Deployment/ Turnover	Directly responsible for planning, engineering, turnover, or deployment for a system, subsystem, or equipment; includes those individuals directly assigned to Site Alteration or Activation Task Force (SATAF). Designation approval based on AFPC evaluation or experience.
YK	Systems Engineer	Provides system engineering or technical direction of the combined engineering effort of contractors and Air Force organizations to assure achievement of total system design requirements and the documentation of technical information leading to those requirements. Conducts periodic reviews to determine the technical adequacy of contractor efforts in meeting system logistics supportability, producibility, etc. Requires 12 consecutive months' experience.
YL	Subsystems Engineer	Serves as the focal point or project officer for the acquisition of a subsystem. Responsible for satisfaction of all subsystem requirements while assuring compatibility with system requirements involving design, schedule, and cost. Time period for award: 18 months.
YM	Integrated Logistics Support (ILS)	Serves as the focal point for all program office matters related to and impacting logistics. This includes the interface of ILS elements in the system design process. Implements DoD and USAF logistics policies and directives; assists system/equipment program offices in development of their ILS plans. Time period for award: 24 months.
YN	Data Management	Plans, manages, and verifies contractor validated data necessary to develop, acquire, install, test, operate, maintain, modify, and support Air Force systems, subsystems, and equipment. Accomplishes staff review of contractor data and data management program. Time period for award: 18 months.
YO	Human Factors	Develops concepts, prepares plans and programs, and manages human factors activities for system development. Provides for human engineering and biomedical support. Ensures satisfactory safety, protection, sustenance, escape, survival, and recovery of personnel within the total system environment. Determines requirements and manages development effort for training, equipment, manpower, and personnel data, and training courses. Develops and implements human factors test and evaluation programs. Requires 12 consecutive months' experience.
YP	AFPRO	Any permanent assignment to an Air Force Plant Representative Office qualifies.

Experience sets YQ through Y3 identify groups of systems on which particular activities are performed. They are to be utilized whenever it is more appropriate to identify a group rather than a specific system on which an individual may be working.

EXP SET	TITLE	EXPLANATION
YQ	Strategic Aircraft Systems	Requires 12 consecutive months' experience.
YR	Tactical Aircraft Systems	
YS	Airlift Aircraft	
YT	V/STOL Aircraft Systems	
YU	Recon/Strike Electronic Warfare Systems	
YV	Tactical Missile Systems	
YW	Strategic Missile Systems	
YX	Satellite Communication System	
YY	Space Booster Systems	
YZ	Armament Systems	
Y1	Control and Communication System	Plans and manages the implementation of ground and avionics control or communication programs. Manages the research, development and acquisition of ground avionics control and communication systems. Reviews and analyses plans and program documentation; develops communications requirements, estimates of transmission network capabilities, and interface specifications for terminal equipment. Responsible for efforts in development, test, and evaluation for communications security. Time period for award: 24 months.
Y2	Air Traffic Control Systems	Requires 12 consecutive months' experience.
Y3	Surveillance and Navigation Systems	Plans and manages the implementation of surveillance and navigation/air traffic control programs. Manages the research, development, and acquisition of programs. Reviews and analyzes plans and program documentation; system requirements, and specifications. Responsible for development, test, and evaluation. Time period for award: 24 months.
Y4	NASA	Assigned for 18 months to NASA in development or management of aerospace equipment techniques.
Y5	Reconnaissance Systems	Conducts and manages research and development or modification of reconnaissance techniques covering the optical, electro-optical, and electro-magnetic areas. Includes both collection and processing. Performs studies and analyses of operational requirements and designs, develops, and test equipment which satisfies these requirements. Time period for award: 18 months.
Y6	Information Transmission/ Processing Systems	Communication techniques and equipment for space, airborne, and ground applications. Includes transmission of all required types of information such as CS, AM, FM, RTTY, TV, telemetering, facsimile, etc. Includes radio, sound, wire, fiber optics, visual, infrared. Tracking techniques for missiles, space devices, etc. Techniques for processing information before transmission and after reception. Secure transmission and anti-jamming techniques. Interference reduction and control. Experience may be derived from activities related to antennas, transmitters, receivers, terminal equipment, internal facility trucking to include switching and busing, modems, cryptographic equipment, power supplies, interface equipment, and processing equipment including mini and microprocessors, and computer programs. Time period of award: 24 months.

EXP SET	TITLE	EXPLANATION
Y7	Acquisition Logistics	Logistics, acquisition program management, or engineering personnel with system or equipment program office experience in defining support needs, integrating logistics efforts, and interfacing with item design to ensure the most economical support of a developing system, subsystem, or equipment. Develops Integrated Logistics Support Plans; assists in development of other program/contracting documents. Includes optimization of trade-offs between design and support requirements for the total program life cycle. Time period for award: 18 months.
Y8	Production	Manages production activities associated with system and subsystem acquisition. Includes providing policy and guidance in control of resources, assuring the recording and analysis of quality control and production statistics and establishment of production schedules including product delivery dates.
Y9	Manager of Small Programs/Project Manager	Program or project manager acquiring a system, subsystem, or specific unit of equipment with responsibility for system acquisition in terms of cost, schedule, and performance parameters. May work directly with other military services or government agencies. Requires 18 months' experience and completion of AFIT course SYS223 or DSMC PMO course.
Y0	Acquisition Security	Requires completion of a basic systems acquisition course, Air Force Materiel Command course MWEOPS0002300SU, and 12 months' experience in systems security engineering management, systems security management, or security programming duties.
ZA	Management Information Systems Manager	Operates management information systems within program offices or advises and assists program offices in implementation and operation of Selected Acquisition Information and Management Systems and Performance Measurement Systems. Responsible for implementing C/SCSC of selected contracts. Reviews contractor internal management systems for compliance with C/SCSC after implementation. Maintains liaison with Contract Administration Service C/SCSC surveillance monitors for surveil-lance of contractor systems and analysis of contractor reports. Prepares management reports required to display planned versus actual progress. Time period of award: 18 months.
ZB	Command and Management Systems	Manages acquisition of Command and Management Systems, assessment and application of information systems technology selection and acquisition of Automatic Data Processing Systems, including software and hardware. Time period for award: 24 months.
ZC	Satellite Operations	Engineering or operational experience associated with planning, readiness, execution, and evaluation of earth-orbiting space vehicle operations. Applies engineering or operational expertise during satellite or ground systems interface definition; launch vehicle, spacecraft, or support network integration and compatibility testing; and flight and recovery operations in the areas of real time on-orbit command and control, orbit determination and analysis, and data retrieval and processing. Time period for award: 18 months.
ZD	Satellite Systems/Mechanical Astronautical	Experience as a development engineer on an exploratory, advanced or engineering development program. Applies mechanical or astronautical engineering expertise to the design, development, and testing of satellite systems. Time period for award: 18 months.
ZE	Satellite Systems/Electrical	Experience as a development engineer on an exploratory, advanced, or engineering development program. Applies electrical engineering expertise to the design, development, and testing of satellite systems. Time period for award: 18 months.

EXP SET	TITLE	EXPLANATION
ZF	Performance/Mission Analysis Optimization	Experience in the performance analysis or mission analysis of aircraft is required. This includes the setup, operation, maintenance, and improvement of multi-segment mission analysis computer programs. Experience with energy maneuverability computations and their interpretation is desirable. Experience in the application of optimization theory and methods to the solution of: optimal trajectories, performance maximization, optimal trajectories, performance maximization, optimal control and guidance problems for application to aerospace vehicles. Time period for award: 24 months.
ZG	Aircraft Design	Experience in the application or development of methods used in flight vehicle design. This includes external aerodynamic configuration and internal component design, and requires analysis knowledge and experience in performance, aerodynamics, propulsion, flight control, mass properties or computer aided design methodology. Application of areas such as wind tunnel studies; airfoils; boundary layer control; turbulence; external and internal flow; stability and control; aerodynamic devices; aircraft shapes; steady or unsteady aerodynamic loads; aerodynamic heating; and aerodynamic prediction methods, with application to subsonic, transonic, supersonic, or hypersonic flows. Development or application of engineering procedures for predicting aeroelastic problems such as flutter, divergence or panel flutter in aircraft, missiles, or propulsion systems. This experience should include familiarity with unsteady aerodynamics, structural dynamics, aeroelastic wind tunnel and flight test procedures. Time period for award: 18 months.
ZH	Manufacturing - Operations	Assigned and involved in the production/manufacturing function. Must have participated in reviews or evaluations of a contractor's manufacturing operations including at least all of the following: work measurement system, equipment utilization, equipment replacement analyses, application of new manu-facturing technology (materials and processes), work methods and manufacturing process. Time period for award: 24 months.
ZI	Manufacturing - Industrial Resources	Significant pre-award, award, and post-award activity associated with facilities and materiels support for research and development, production, and maintenance/modification programs. Involves providing, use, expansion, modernization or replacement, maintenance, and disposal of government-owned facilities, including the budgeting and management of necessary funds, and priorities and allocations concerning materials and components. Time period for award: 24 months.
ZJ	Flight Test Engineer	Requires graduation from a flight test course of at least 6 months' duration.
ZK	Multi Sensor Display Group (MSDG)	Requires formal training and 3 consecutive months' experience, or 6 consecutive months experience.
ZL	Guidance and Control or Inertial	Experience on an exploratory, advanced, or engineering development program in inertial guidance and control technology. Develops, tests, evaluates, and applies inertial guidance and control (G&C) technology to aerospace systems. Includes navigation and stability applications. Time period for award: 18 months.
ZM	Guidance and Control or Non-Inertial	Experience on an exploratory, advanced, or engineering development program in non-inertial guidance and control technology. Develops, tests, evaluates, and applies non-inertial guidance and control (G&C) technology (e.g., laser, TV, celestial, contour matching) to aerospace systems. Includes navigation and stability control. Time period for award: 18 months.
ZN	Propulsion - Air Breathing	Develops, tests, evaluates, and applies the air-breathing propulsion technology. Time period for award: 18 months.
ZO	Propulsion-Space Vehicle	Develops, tests, evaluates, and applies propulsion technology for space vehicle applications. Includes electric propulsion. Time period for award: 18 months.

EXP SET	TITLE	EXPLANATION
ZP	Structural Analysis	Experience in the development, application, or directing investigations of computational procedures for internal load analysis flight vehicle structures and component structures. This experience includes familiarity with finite element and other computer automated numerical methods and with the procedure for creating associated mathematical models that can accurately represent the actual behavior. Includes application of vibration damping concepts; advanced structural materials, fatigue analysis; fracture mechanics; dynamic loading weight and balance prediction and structural modification and repair technologies. Requires 12 consecutive months' experience.
ZQ	Space Flight Mechanics	Develops and directs the computation of space launch, orbital, ballistic missile and re-entry trajectories. Performs orbital analysis including ephemerides preparations and perturbation effects. Time period for award: 18 months.
ZR	Materials	Applies scientific and engineering fundamentals to develop and optimize design, processing techniques, and utilization of materials for aerospace applications. Analyzes material failures, corrosion problems, and material test data to determine causes of material deficiencies and proposes remedial action. Time period for award: 18 months.
ZS	Reliability/Maintain-ability	Provides specialized engineering services required to establish concepts and programs for aerospace systems and equipment reliability and maintainability, including quantitative requirements, design criteria, failure modes, and demonstration requirements and techniques, production techniques, mathematical modeling and simulation and failure data collections, analysis, correction, and feedback. Time period for award: 18 months.
ZT	Technical Intelligence	Develops and utilizes procedures and techniques used in collecting, evaluating, interpreting, and disseminating technical intelligence reports, briefings, studies, or analyses. Requires 12 months' experience.
ZU	Electronic Warfare Systems	Conducts and manages research development, modification, and systems engineering in electronic countermeasures (ECM), electronic support measures (ESM), and electronic counter-countermeasures (ECCM) techniques, components, systems, subsystems, and equipment. Performs testing, studies, and analyses of threat systems, operations, and applications of ECM, ESM, and ECCM equipment. Time period of award: 18 months.
ZV	Packaging and Crating	Provides packaging engineering services and support in the design, development, test, and evaluation of methods of packaging and materials handling. Time period for award: 24 months.
ZW	Computer Hardware	Develops, tests, evaluates, and applies computer hardware technology within research and development activities. Includes experience with peripheral, interface, and processing equipment relating to all computer (large, mini, and microcomputer) systems. Requires 12 consecutive months' experience.
ZX	Avionics	Develops, test, evaluates, and/or applies electronic technology for incorporation in aerospace systems. Systems include navigation, communications, autopilot, etc. Time period for award is 24 months.
ZY	Avionics Computer Program Development or Modification	Experience in research, design, development, modification, and testing of programs and routines to direct the on-board computer to perform a desired operation or sequence of operations for digital avionics. Experience includes problem analysis, flow diagram preparation, preparation of details, tests, subroutine development, storage allocation, input-output format specification, and their incorporation into a complete digital subsystem. Experience will also concern an in-depth knowledge of avionics and related electronic engineering applications. Time period for award: 18 months.
ZZ	Ballistic Missile and Space Launch	Experience in a ballistic missile and space launch vehicle systems SPO. Applies engineering expertise to the design, development, and test of space and ballistic launch vehicles. Includes Minuteman, standard space launch vehicles, related upper systems (MX and space shuttle, etc.) Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
Z1	Test Instrumentation Engineer	Responsible for system and/or major subsystem data acquisition systems in aerospace vehicles to monitor navigation, guidance and control, fire control, propulsion parameters, ground instrumentation for data acquisition and target monitor and general systems performance diagnostics. Familiar with Automatic Data Processing (ADP) equipment design and operations. Familiar with test instrumentation and test equipment. Formulates instrumentation test plans or procedures and evaluates test data. Requires 12 consecutive months' experience.
Z2	Test Safety Engineer	Manages the system safety program, including aerospace systems, nuclear, explosive, range flight, and ground safety functions. Implements safety policies and provides guidance. Responsible for safety requirements and evaluates effectiveness of safety programs. Applies engineering principles to identification of hazards and to preventive actions required to correct system hazards. Prepares appropriate test safety documentation. Requires 12 consecutive months' experience.
Z3	Parachutes, Aerial Delivery, and Recovery	Develops, tests, evaluates, and applies the appropriate technology for personnel, cargo, stabilization, deceleration, missile recovery, aerial delivery and dispenser systems. Time period for award: 18 months.
Z4	Life Support Equipment	Develops, tests, evaluates, and applies the appropriate technology for helmets; eye protection; flying clothing; personal oxygen equipment; personal survival gear; dropable survival gear; oxygen masks; oxygen regulators; emergency oxygen systems; pressure suits; anti-G suits; body armor; crew member restraining devices; physical anthropology; ear defenders (protectors); escape systems; and capsules. Time period for award: 18 months.
Z5	Crew Training Simulators	Experience in computer program and computer hardware design, development, documentation and test for crew training systems, including but not limited to flight simulators, radar, bomber or navigator EWO and instrument flight trainers. Must have detailed knowledge of real-time programming for digital computers which control simulation devices and an understanding of the processing algorithms input or output requirements and interface characteristics typical for simulation/training systems. Time period for award: 18 months.
Z6	Flight Engineer	Requires participation in aerial flight as a nonrated non-crew member. Performs engineering, developmental, or systems monitoring activity while in flight. Designation requires 15 months' experience.
Z7	Aircraft Battle Damage Repair (ABDR) Engineer (Changed 31 Oct 98)	Requires 12 months of experience in support of a Combat Logistics Support Squadron and satisfactory completion of the following courses: Aircraft Battle Damage Repair Journeyman, MMUAIR0010800SU (PDS code 516); Aircraft Battle Damage Repair General Assessor, MMUAIR0010900SU (PDS code 517); Introduction to Aircraft Battle Damage Repair Engineering, MMUAIR0010700SU (PDS code 6AO); Aircraft Battle Damage Repair, J4AMF/ASF/AST 430X0-000 (PDS code 0UZ) or J4AMF/ASF/AST 430X0-002 (PDS code 7AA); Aircraft Battle Damage Repair General Assessor, J4AMF/ASF/AST 400X7-00 (PDS code 2B4); and AFIT WENY 441, Aircraft Battle Damage Repair (PDS code 6VZ). Authorized for use with AFSCs 62EX.
1A	Stability and Control	Experience in the area of aerodynamic stability and control of aircraft or missiles. This includes the development or application of procedures to describe the flight dynamics of a vehicle including flying qualities, control system analysis, and aeroelastic or control interactions. Experience in mathematical analysis, analog, and digital computation and simulation, wind tunnel testing or flight testing to describe the behavior of a vehicle in flight is also desirable. Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
1B	Range Support	Experience in designing, developing, and analyzing digital computer techniques and equipment for the collection, processing, storage, transmission, and presentation of data from range instrumentation devices, including radars, electro-optical sensors, cine-theodolites, and telemetry systems. Time period for award: 18 months.
1C	Airborne Digital EW Systems	Experience in computer program or computer hardware design, development, documentation, and test specifically related to electronic warfare systems. Must have knowledge of hardware and computer programming requirements for interrupt-driven, real-time systems used for threat acquisition/identification and/or power management. Time period for award: 18 months.
1D	Digital Avionics Fire Control/Navigation System	Experience in computer program or computer hardware design, development, documentation, and test for target acquisition, guidance, navigation, fire control, radar data processing or stores management functions aboard aerospace vehicles. Must have detailed knowledge of real-time programming for computers, and an understanding of the processing algorithms, input or output requirements, and interface characteristics typical for the subject systems. Time period for award: 18 months.
1E	Crew Station Engineering	Experience in the development of crew station geometry and arrangement of equipment, including switches, controls, display instruments, auxiliary systems, weapons release, etc. Knowledge of external and internal vision requirements, workload and delay of fatigue techniques, ground escape, and in-flight escape. Familiar with integrating ejection seats; and the physiological, mechanical, aerodynamic and propulsive aspects of aircrew degrees. Application of human engineering concepts to information display through mechanical, electrical and experimental techniques to evaluate such equipment for airborne or ground information systems. Time period for award: 24 months.
1F	Environmental Control	Experience with the design, development, and modification of turbo-machinery and other machinery used for compression and expansion in environmental control. Knowledge of heat exchanger principles, fluid flow networks and controls, and methods to remove excess cabin heat to air, fuel, or other heat sinks. Familiar with requirements of cockpit and avionics bay environments. Time period for award: 24 months.
1G	Test Facility Engineering	Experience in the design or operation of an engineering test facility. Specific experience should include test planning, coordination and procedures, as well as a familiarity with facility maintenance requirements and safety practices and instructions. Time period for award: 24 months.
1H	System Safety	Experience in MIL-STD-882 activities required including planning and management of contractor system safety programs or working experience with inductive and deductive system safety techniques to any developmental engineering activity and be able to critically evaluate contractor system safety analyses. Requires 12 consecutive months' experience.
1I	Ground Communications Electronics, Meteorological	Develops, tests, evaluates, or applies electronic and other engineering technologies for incorporation in ground CEM systems or equipment. These include navigation, communications, radar, command and control, air traffic control, satellite stations, remotely controlled vehicle stations, etc. Time period for award: 24 months.
1J	Engineering Standards and Specifications	Manages, develops, reviews, coordinates, and maintains military standards and specifications involving systems, equipment, components, items, processes, etc. Manages, develops, and maintains design handbooks and aerospace vehicle characteristics guides. Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
1L	Support Equipment or AGE	Requires 12 months in duties involving acquisition and development of support equipment. Support equipment includes all equipment required to perform the support function which is not an integral part of the mission equipment. It does not include any of the equipment required to perform mission operations functions. Support equipment should be interpreted as including tools; test equipment; organizational, field, and depot support equipment; and related computer programs and software.
2A	Honeywell 6000	Requires 12 consecutive months' experience.
2B	IBM (VIRTUAL)	
2C	IBM (Non-VIRTUAL)	
2D	MULTICS	
2E	Minicomputers (VIRTUAL)	
2F	B3500/3700/4700	
2G	B6700	
2H	U1050-II	
2I	RJETS	
2J	B-4000 Series	
2K	UNIVAC - Other	
2L	CDC - Other	Requires 12 consecutive months' experience.
2M	Burroughs - Other	
2N	CDC 6000 Series	
2O	CDC 7000 Series	
2S	U-9000 Series	
21	Micro Processors	
22	8-Bit Minicomputers	
23	16-Bit Minicomputers	
24	32-Bit Minicomputers	
25	65-Bit Minicomputers	.
26	Minicomputers, Other	Requires 12 consecutive months' experience.
COMPUTER LANGUAGE SKILLS EXPERIENCE SETS		
3A	COBOL	Experience sets 3A-3N requires at least 1 year's experience in the design, programming, testing, and implementation of a computer language.
3B	FORTRAN	
3C	PL/1	
3D	ALGOL	
3E	JOVIAL	Experience sets 3A-3N requires at least 1 year's experience in the design, programming, testing, and implementation of a computer language.
3F	APL	
3G	BASIC	
3H	GPSS	
3I	SIMSCRIPT	
3J	Simulation Languages-Other	
3K	SNOBOL	
3L	List Processing Languages-Other	
3M	File Format System (FFS) Language	
3N	Assembly Languages	

EXP SET	TITLE	EXPLANATION
3O	Programmer, General	At least 18 months' experience in a position responsible for the translation of detailed system performance specifications into computer software. Included are flow charting, coding, testing, documenting, implementing, and maintaining such software.
3P	SDC Programmer Proficiency Trained	Requires 6 consecutive months' experience.
	COMPUTER-OTHER EXPERIENCE SETS	
4A	Programmer/Analyst	At least 18 months' experience in a position responsible for the translation of overall system performance specifications and flow charts suitable for use by programmers. Responsible for performance of same coding and the direction of the efforts of subordinate programmers.
4B	Systems Analyst	At least 18 months' experience in a position responsible for the translation of functional requirements into data systems and the planning and directing the activities of subordinate programmers and programmer or analysis in the development, test, and implementation of data system.
4C	Network Management	At least 2 years' experience in a position responsible for the planning, implementation, systems development or operation of a computer network. Included are remote and on-line terminal integration with host processor, communications technology, front-end processor requirements, and host operating and application system configuration for multi-user processing.
4D	MICRO Programming	At least 18 months' experience in the design, development, and maintenance of software or firmware for MICRO programmable systems.
4E	Requirements Analyst	At least 18 months' experience in the processing and staffing of Data Automation Requirements in accordance with OMB, GSA, DoD and Air Force Manuals and Instructions; validating requirements, evaluating alternatives, recommending solutions; and issuing Data Project Directive and Plans.
4F	CDTS	At least 18 months' experience in the definition, design, programming, and management of computer directed training systems.
4G	Programming Productivity Techniques	At least 18 months' experience in a position responsible for the use of programming productivity techniques in the development of automated data systems. Included are experience with structured programming, Hierarchical plus Input-Process-Output (HIPO), and team programming concepts such as structured walk throughs, technical librarian and development support libraries.
4H	ADP Security	At least 18 months' experience in a position responsible for planning, development, implementation, on evaluation of ADP security techniques and procedures. This includes both physical, communications, TEMPEST, and software or hardware security considerations. Includes service as WWMCCS ADP Security Officer (WASSO).
4I	CPE	At least 18 months' experience in a position responsible for the application of computer performance evaluation techniques; evaluation of findings; generation of corrective action proposals; and the direction of a continuing CPE program. (EWI time may be counted)
4J	Data Base Administration	At least 18 months' experience in a position responsible for the administration of data bases. Included are registration and certification of data elements; control of access; administration of codes and passwords; design of access techniques; contingency planning; evaluation and upgrade/replacement of storage media; and physical and software security; SCHEMA or SUB-SCHEMA definition; storage structure selection.
4K	Graphics	At least 18 months' experience in the design, development, and maintenance of graphic display systems. Included are video display systems; fiber optics displays; liquid crystal and plasma display technologies.

EXP SET	TITLE	EXPLANATION
4L	Command and Control Hardware	Experience in research, design, development, installation, modification and testing of machines or groups of machines for command and control. These consist of input, storage, computing, control and output devices which use electronic circuitry in the main computing element to automatically perform arithmetic and/or logical operations by means of internally stored or externally controlled programmed instructions. Included, for example, may be central processor large-capacity storage data channels, input/output, and peripheral equipment in operational support of data processing equipment; and devices designed to convey data from its original state to a data-processing media. Specific experience required in the application of large sequential or parallel processors as well as mini- and micro-computers to Air Force processing problems. Must be cognizant of techniques of digital logic design, micro-programming, analog to digital conversion, computer graphics, display devices and computer network concepts. Equipment may be mechanical, electro-mechanical, electrical, or optical, generally at terminal ends of communications lines. They may include transmission devices, image transmission and reception systems, and data interface equipment. The equipment may be air or space borne or ground based. Time period for award: 18 months.
4M	Command and Control Software	Experience in research, design, development, modification, and testing of programs and routines to direct the computer to perform a desired operation or sequence of operations for command and control. The experience includes inter-alia, problem analyses, flow diagram preparation, preparation of details, tests, subroutine development, storage location allocation input and output format specification, and their incorporation into a complete pro-cessing system. Experience may also concern executive (compiler and source), diagnostic, maintenance, and operational (object) programs. Time period for award: 18 months.
4N	Systems Computer Program Support	Experience in research, design, development, modification, and testing of computer programs oriented to general systems support rather than particular application or functional tasks. Includes executives and operating systems, assemblers, compilers, data base management systems, and generalized utility systems. Requires knowledge of higher order language requirements, translator design, computer program verification or validation techniques, and advance programming techniques. Time period for award: 18 months.
4O	Computer Aided Support for Automatic Test Equipment (ATE)	Experience in design, development, documentation, test, and application of programs (e.g., compilers and automatic test pattern generators) to aid in the development of ATE test programs. Knowledge of digital simulation or modeling of electronic circuits, electronic circuit analysis techniques, and computer system level programming (operating system, executive routines, compilers, etc.). Time period for award: 18 months.
4P	Automatic Test Equipment	Experience in application of programs (e.g., compilers and automatic test pattern generators) to aid in the development of ATE test programs. Experience in electronic circuit analysis techniques to aid in the specification of parameter test tolerances and in the development of fault isolation procedures. Time period for award: 18 months.
4Q	Digital Simulation for Operational Flight Program	Experience in design, development, documentation, test, and application of simulation programs to aid in the development and maintenance of OFP. Must have general knowledge of OFP applications programs to define their interfaces with the simulations. Example simulation programs are hot-bench applications such as threat simulations, internal (avionics equipment, multiplex bus, airframe, flight control, etc.) and external (atmosphere, earth, navigational aids) simulations. Time period for award: 18 months.
4R	L-COM	Requires 12 months' experience.

EXP SET	TITLE	EXPLANATION
	COMMUNICATIONS-ELECTRONICS EXPERIENCE SETS	
5C	Command, Control, and Communications Countermeasures (C3CM)	Requires completion of command, control, and communications countermeasures (C3CM) training for senior tactical battle managers.
5D	Tactical Communications	Requires 12 consecutive months' experience.
5E	Tactical Radar Maintenance	
5H	Combat Information Systems Group (CISG)	Requires 12 months' experience and supervisor's recommendation.
5J	Combat Camera (Created 30 Apr 97)	Requires 18 months' experience in combat camera operations or management, and recommendation by commander.
6A	Precision Location Strike System (PLSS)	Requires 6 consecutive months' experience in certified task qualification and supervisor's recommendation.
6D	TACS/Combat Communications Experience	Requires 12 consecutive months' experience.
6L	AN/TYC-10 Message Processing Center	Requires 6 consecutive months' experience.
	TEST AND EVALUATION EXPERIENCE SETS	
7A	Operational Test and Evaluation (OT&E)	Requires 24 months' experience as an operational tester assigned to any headquarters or major command operational test activity (OTA) or deputy chief of staff (DCS) responsible for the conduct of OT & E, completion of the Air Force Operational Test and Evaluation Center OT & E Training Course or the Air Force Institute of Technology System 100 (PDS code 2RX) or 229 (PDS code TR9) course, and recommendation by the OTA commander or the DCS.
	COMMAND AND CONTROL EXPERIENCE SETS	
★9A	Command and Control (C2), Air Operations Center (AOC) (Created 30 Apr 99)	Award requires either (1) completion of ACC Joint Aerospace Command and Control Course, ACC-JAC2C (PDS code 77L), 3 consecutive months of experience in AOC assignments, mission ready certification, and supervisor's or commander's recommendation, or (2) 6 consecutive months of experience in AOC assignments, mission ready certification, and supervisor's or commander's recommendation.
	OTHER EXPERIENCE SETS	
0A	Special Programs Man-	Designation approval based on AFPC evaluation of experience.
0B	agement/Exchange	
0C		
0D	Exchange Tour - European Area	
0E	Exchange Tour - Pacific Area	
0F	Exchange Tour - Western Hemisphere	Designation approval based on AFPC evaluation of experience.
0G	Exchange Tour - Sister Service	

EXP SET	TITLE	EXPLANATION
0H	Personnel Support for Contingency Operations (PERSCO)	Requires Military Personnel Flight Chief recommendation and completion of all mandatory task performance requirements; and 6 months' PERSCO experience after completing task qualification training or be deployed for at least 30 days as a PERSCO team member for a Joint Chiefs of Staff, major command, or exercise deployment operation. ***NOTE:*** All mandatory task performance requirements must be completed within 12 months of the date assigned to PERSCO according to AFI 10-215.
0L	Air National Guard Readiness Center (ANGRC)	Requires completion of ANGRC Contingency Support Staff Training Course.
0M	Quality Air Force (QAF) Advisor	Requires a minimum of 100 hours of quality related training by a professional body such as the Air Force Quality Institute or American Society for Quality Control; one year of experience as a Quality Advisor to an organizational commander when more than 50 percent of individual's time is spent working quality issues or 6 months' experience when 100 percent of time is spent working quality issues; and wing or equivalent commander recommendation. ***NOTE:*** Individuals previously awarded experience set 0J - Air Force Quality Advisor may be awarded 0M based on their prior qualification.
0N	Quality Air Force (QAF) Facilitator	Requires graduation from a QAF facilitator course; facilitate or cofacilitate minimum of two process action teams (includes quality councils, other teams such as natural work teams, and seminar groups in formal courses at the Air Force Quality Institute or other organization teaching QAF); successfully demonstrate facilitation skills from start to finish under mentorship of a QAF qualified facilitator; and possess QAF Facilitator Certificate issued by a wing or equivalent commander. ***NOTE:*** Individuals previously awarded experience set 0K may be awarded 0N based on their prior qualification.
0P	Quality Air Force (QAF) Instructor	Requires completion of all five formal QAF core courses and determination of proficiency to teach content materiel; proficiency determination in instructor areas of presentation and platform skills by a QAF Master Instructor; successful evaluation by a QAF Master Instructor; and possess a QAF Instructor Certificate issued by wing or equivalent commander.
0Q	Quality Air Force (QAF) Master Instructor	Requires qualification as a QAF Instructor; have successfully taught all QAF core courses (Awareness, QAF Leaders, QAF Team Leader, QAF Facilitator, and QAF Team Member); successful completion of Advanced Instructional Systems course; successful evaluation by a QAF Master Instructor; and possess a QAF Master Instructor Certificate signed by the Air Force Quality Institute and wing or equivalent commander.
0R	Arms Control (Created 30 Apr 97)	Requires 12 months experience and commander's recommendation.
0S	Modeling and Simulation (M&S) (Created 30 Apr 98)	Requires 15 months' experience in a valid M&S position and recommendation by the M&S activity director and unit commander.
00	Experience undetermined	Self Explanatory.

Attachment 14

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11 March 1998

IC 98-1 TO AFMAN 36-2105, OFFICER CLASSIFICATION, 31 October 1997

SUMMARY OF REVISIONS

This change incorporates interim change (IC) 98-1 which includes all approved officer classification changes to be implemented 30 April 1998. Attachment 1, Officer Change Summary and Conversion Guide for 30 April 1998, reflects summary and conversion instructions for all AFSC changes, mergers, additions, realignments, and deletions of classification identifiers. Also, this change incorporates a career progression chart on the introduction page for each career area. New attachments 1, 12, and 14 replace existing attachments, respectively. Finally, because each specialty description is designed to stand alone, if a change has been made to any portion of the specialty description, the entire description is replaced with the revised specialty. A ★ indicates revision from previous edition. See attachment IC 98-1 for the complete IC.

Attachment 1

OFFICER
CHANGE SUMMARY AND CONVERSION GUIDE
FOR 30 APRIL 1998

INTRODUCTION

STANDARD CONVERSION INSTRUCTIONS: The standard instructions listed below are referred to by note number in the "Conversion Instructions Notes" column of this Change Summary and Conversion Guide. Notes are used singly or in combination to cover conversion instructions. However, written specific instructions may be added or substituted when a change requires special clarification.

NOTE	INSTRUCTIONS
1.	Code deleted from Officer Classification Structure.
2.	Code added to Officer Classification Structure.
3.	Converts directly in personnel data system (PDS). No further Military Personnel Flight (MPF) action required; report on individual person (RIP) source document provided.
4.	No conversion action is required.
5.	Title change.
6.	See explanation of prefix in attachment 2 for award and deletion criteria.
7.	A review and evaluation of an individual's qualifications are required before designation of this experience set. Review will be accomplished by AFPC or Headquarters Air Force (HAF) resource manager to determine designation of appropriate SEI. SEI will be formed by using the experience set and applicable activity code.
8.	Indirect conversion. Action required as follows: a. Personnel. First AFSC listed under "New AFSC" column is the "preselect AFSC" which will be automatically selected and shown in preconversion listing available to MPFs by 15 March 1998. MPFs, with the help of local functional representatives, will review and evaluate preselect preconversion to determine if duty AFSC (DAFSC) matches manpower position conversion, and if P/2/3 AFSCs are correct according to individual's qualifications. More than one AFSC associated with this conversion may be awarded if individual qualifies based on background and experience. If review and evaluation finds preselect AFSCs are correct, MPFs allow them to stand in PDS. If incorrect, MPFs must update PDS to reflect changes as soon as possible after conversion effective date. MPFs must cut source documents for all AFSC indirect conversions. See AFMAN 36-2622, volume 1, table 6.1. b. Manpower. With the help of the functional manager, determine unit manning document (UMD) changes required to effect conversion. Reflect positions in projected AFSC field of command manpower data system (CMDS).
9.	Headquarters Air Force (HAF) and Base Level Military Personnel System (BLMPS) table changes required.
10.	Manpower table changes required.

Current AFSC	Current Title	New AFSC	New Title	Summary of Change	Conversion Instruction Notes
Prefix D	Advance Medical Service Resident	None	None	Prefix D is deleted as an authorized identifier in the officer classification system.	MPF: 1, 4. AFPC: 1, 9. Manpower: 1, 10.
Prefix K	Instructor	No Change	No Change	Prefixes are revised to: Add: AFSC 14N3. Delete: AFSC 14N3B.	MPF: 1, 2, 6. AFPC: 1, 2, 9. Manpower: 1, 2, 10.
Prefix Q	Standardization and Evaluation	No Change	No Change		
Prefix W	Weapons and Tactics Instructor	No Change	No Change	Prefix award criteria is revised to update the list of training courses to include completion of the Navy's Electronic Combat Weapons School (ECWS). Add: AFSC 14N3. Delete: AFSC 14N3B/C.	MPF: 1, 2, 4, 6. AFPC: 1, 2, 6, 9. Manpower: 1,2, 6, 10.
None	None	11F4V 11F3V 11F1V	Fighter Pilot, EA-6B	Specialty description for AFSCs 11F4/3/1 is revised to add suffix V as an authorized identifier in the officer classification structure for the EA-6B weapon system. The following prefixes are authorized for use with the AFSCs indicated: 11F4V: G, J, L, M, R, S, T, V, W, Y. 11F3V: B, C, F, G, J, K, L, M, Q, R, S, T, V, W, Y. 11F1V: B, C, F, G, J, K, L, M, Q, R, S, T, V, Y.	MPF: 2, 4. AFPC: 2, 9. Manpower: 2, 10. ***NOTE:*** During the initial 30 days following the effective date of this change, HQ ACC/ DPPTR in conjunction with the functional representatives will notify appropriate MPFs of the individuals to be awarded AFSCs 11FXV or 12FXV. HQ ACC manpower officials and functional representa-tives are responsible for
None	None	12F4V 12F3V 12F1V	Fighter Navigator, EA-6B	Specialty description for AFSCs 12F4/3/1 is revised to add suffix V as an authorized identifier in the officer classification structure for the EA-6B weapon system. The following prefixes are authorized for use with the AFSCs indicated: 12F4V: G, J, L, M, R, S, T, V, W, Y. 12F3V: B, C, F, G, J, K, L, M, Q, R, S, T, V, W, Y. 12F1V: B, C, F, G, J, K, L, M, Q, R, S, T, V, Y.	updating CMDS to reflect the positions converting to AFSCs 11FXV or 12FXV.

Current AFSC	Current Title	New AFSC	New Title	Summary of Change	Conversion Instruction Notes
14N3A 14N1A 14N3B 14N1B 14N3C 14N1C	Intelligence, Operations Intelligence, Applications Intelligence, Mapping, Charting, and Geodesy	14NX	Intelligence	Specialty description is revised to delete suffixes A, B, and C as authorized identifiers in the officer classification system and delete all references and qualification criteria for these suffixes.	**Direct Conversion** MPF: 1, 3. AFPC: 1, 3, 9. Manpower: 1, 3, 10.
None	None	21A3B 21A1B	Aircraft Maintenance and Munitions, Conventional Munitions	Specialty description is revised to establish suffix B as an authorized identifier in the officer classification system. The following prefixes are authorized for use with AFSC indicated: 21A3B: B, C, F, J, R, S, T, V, Y. 21A1B: C, F, J, R, S, T, Y.	MPF: 2, 4. AFPC: 2, 9. Manpower: 2, 10. ***NOTE:*** AFSCs are established as a result of a Special Management Review that determined there is a need to identify and track officers with conventional munitions experience. There will be no conversion to these new identifiers at this time. After the effective date, Manpower and Personnel officials, with the help of local functional managers will determine authorizations and individuals to be coded /awarded this new suffix.
33SX	Communication and Information	No Change	No Change	Specialty description is revised to change the education requirements.	All: 4.
None None None	None None None	42P4B 42P3B 42P1B 42P4C 42P3C 42P1C 42P4D 42P3D 42P1D	Clinical Psychologist, Health Psychologist Clinical Psychologist, Child and Adolescent Psychologist Clinical Psychologist, Aviation Psychologist	Specialty description is revised to establish suffixes B, C, and D as authorized identifiers in the officer classification system. Also, mandatory qualification criteria for training and certification are added. The following prefixes are authorized for use with the AFSCs indicated: 42P4X: H, J, R, S, T. 42P3X: C, H, J, M, R, S, T. 42P1X: C, J, R, S, T.	MPF: 2, 4. AFPC: 2, 9. Manpower: 2, 10. ***NOTE:*** There will be no conversion to these new identifiers at this time. After the effective date, Manpower and Personnel officials with local functional help will determine the authorizations and individuals to be coded/ awarded these new suffixes.

Current AFSC	Current Title	New AFSC	New Title	Summary of Change	Conversion Instruction Notes
43R4 43R3 43R1 43R4A 43R3A 43R1A 43R4B 43R3B 43R1B 43R4C 43R3C 43R1C 43R4D 43R3D 43R1D 43R4E 43R3E 43R1E	Veterinary Scientist Veterinary Scientist, Toxicology/ Pharmacology Veterinary Scientist, Radiobiology/ Biophysics Veterinary Scientist, Psychology Veterinary Scientist, Physiology/ Biochemistry Veterinary Scientist, Microbiology	None	None	AFSCs 43RXX are deleted as authorized identifiers in the officer classification system.	MPF: 1, 4. AFPC: 1, 9. Manpower: 1, 10.
43TXA	Biomedical Laboratory, Biomedical Laboratory Science	No Change	No Change	Specialty description is revised to change the mandatory entrance requirements.	All: 4.
43V4A 43V3A 43V1A 43V4B 43V3B 43V1B 43V4C 43V3C 43V1C 43V4D 43V3D 43V1D	Veterinary Clinician, Surgery Veterinary Clinician, Internal Medicine Veterinary Clinician, Radiology Veterinary Clinician, Pathology	None	None	AFSCs 43VXA, 43VXB, 43VXC, 43VXD are deleted as authorized identifiers in the officer classification system.	MPF: 1, 4. AFPC: 1, 9. Manpower: 1, 10.
44D4J 44D3J 44D1J	Pathologist, Immunology	None	None	AFSCs 44DXJ are deleted as authorized identifiers in the officer classification system.	

Current AFSC	Current Title	New AFSC	New Title	Summary of Change	Conversion Instruction Notes
None	None	44P4B 44P3B 44P1B	Psychiatrist, Forensic Psychiatry	Specialty description is revised to establish suffix B as an authorized identifier in the officer classification system. Mandatory suffix qualification criteria is already established. The following prefixes are authorized for use with the suffix at the skill level indicated: 44P4X: H, J, R, S, T. 44P3X: C, H, J, M, R, S, T. 44P1X: C, J, R, S, T.	MPF: 2, 4. AFPC: 2, 9. Manpower: 2, 10. ***NOTE***: It is unknown at this time which 44P3 authorizations will convert to 44P3B. After the effective date, Manpower and Personnel officials with local functional help will determine the authorizations and individuals to be coded/awarded this new suffix.
None	None	45B4H 45B3H 45B1H	Orthopedic Surgeon, Traumatology	Specialty description is revised to establish suffix H as an authorized identifier in the officer classification system. Mandatory qualification criteria for this suffix is already stated in the specialty description. The following prefixes are authorized for use with the AFSCs indicated: 45B4H: H, J, R, S, T. 45B3H: C, H, J, M, R, S, T. 45B1H: C, J, R, S, T.	MPF: 2, 4. AFPC: 2, 9. Manpower: 2, 10. ***NOTE***: There will be no conversion to the new identifier at this time. After the effective date, Manpower and Personnel officials with local functional help will determine the authorizations and individuals to be coded/ awarded the new suffix. There will be three authorizations, two at Wilford Hall Medical Center and one at Landstuhl, Germany.
45U4C 45U3C 45U1C	Urologist, Kidney Transplant Surgeon	None	None	AFSCs 45UXC are deleted as authorized identifiers in the officer classification system.	MPF: 1, 4. AFPC: 1, 9. Manpower: 1, 10.
47BX	Orthodontist	No Change	No Change	Specialty description is revised to update duties and responsibilities and change the residency requirement from experience to mandatory training criteria.	All: 4.
47DX	Oral Pathologist	No Change	Oral and Maxillofacial Pathologist	Specialty is retitled. The specialty description is revised to update duties and responsibilities and change residency requirement from experience to mandatory training criteria.	MPF: 4, 5. AFPC: 4, 5, 9. Manpower: 4, 5, 10.
47EX	Endodontist	No Change	No Change	Specialty description is revised to update duties and responsibilities and change the residency requirement from experience to mandatory training criteria.	All: 4.

Current AFSC	Current Title	New AFSC	New Title	Summary of Change	Conversion Instruction Notes
None None None None None	None None None None None	47G4D 47G3D 47G1D 47G4E 47G3E 47G1E 47G4F 47G3F 47G1F 47G4G 47G3G 47G1G 47G4H 47G3H 47G1H	Dentist, Public Health Dentist, Dental Materials Science Dentist, Oral and Maxillofacial Radiology (OMR) Dentist, Temporoman-dibular Disorders (TMD) Dentist, Hospital Dentistry	Specialty description is revised to update duties and responsibilities and establish suffixes D, E, F, G and H as authorized identifiers in the officer classification system. The residency requirements are changed from experience to a mandatory training criteria and establish training requirements for the suffixes. The restriction on the use of suffix B is deleted. The following prefixes are authorized for use with the AFSCs indicated: 47G4D/E/F/G/H: H, J, R, S, T, V. 47G3D/E/F/G/H: C, H, J, M, R, S, T, V. 47G1D/E/F/G/H: C, J, R, S, T.	MPF: 2, 4. AFPC: 2, 9. Manpower: 2, 10.
47HX	Periodontist	No Change	No Change	Specialty descriptions are revised to update duties and responsibilities and change the residency requirement from experience to mandatory training criteria.	All: 4.
47KX	Pediatric Dentist	No Change	No Change		
None None None	None None None	47P4A 47P3A 47P1A 47P4B 47P3B 47P1B 47P4C 47P3C 47P1C	Prosthodontist, Maxillofacial Prosthetics Prosthodontist, Area Dental Laboratory Prosthodontist, Dental Materials	Specialty description is revised to update duties and responsibilities and establish suffixes A, B and C as authorized identifiers in the officer classification system. The residency requirements are changed from experience to mandatory training criteria and establish training requirements for the suffixes. The following prefixes are authorized for use with the AFSCs indicated: 47P4A/B/C: H, J, R, S, T. 47P3A/B/C: C, H, J, M, R, S, T. 47P1A/B/C: C, J, R, S, T.	MPF: 2, 4. AFPC: 2, 9. Manpower: 2, 10.

Current AFSC	Current Title	New AFSC	New Title	Summary of Change	Conversion Instruction Notes
None None None	None None None	47S4A 47S3A 47S1A 47S4B 47S3B 47S1B 47S4C 47S3C 47S1C	Oral and Maxillofacial Surgeon, Temporomandibular Joint Oral and Maxillofacial Surgeon, Facial Esthetics Oral and Maxillofacial Surgeon, Maxillofacial Reconstruction	Specialty description is revised to update duties and responsibilities and establish suffixes A, B and C as authorized identifiers in the officer classification system. The residency requirements are changed from experience to mandatory training criteria and establish training requirements for the suffixes. The following prefixes are authorized for use with the AFSCs indicated: 47S4A/B/C: H, J, M, R, S, T. 47S3A/B/C: C, H, J, M, R, S, T. 47S1A/B/C: C, J, R, S, T.	MPF: 2, 4. AFPC: 2, 9. Manpower: 2, 10.
Atch 12	List of Officer AFSCs Authorized for Use Without Shredouts	No Change	No Change	List of AFSCs authorized for use without shredouts is revised to: Add AFSCs 47PX and 47SX. Delete AFSCs: 14N1 and 43RX.	All: 4.
None	None	Exp Set T5	Imagery Intelligence (IMINT)	Experience Set T5 is established as an authorized identifier in the officer classification system. Award requires completion of course X3OBR-14N1A-007, Intelligence Operations Officer and minimum 24 months experience in an imagery production, collection, or analysis position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.	MPF: 2, 7. Manpower: 2, 10. ***NOTE:*** Functional and manpower officials are responsible for ensuring appropriate 14NX positions are coded with the appropriate SEI. AFPC: 2, 9.
None	None	Exp Set T6	Human Intelligence (HUMINT)	Experience Set T6 is established as an authorized identifier in the officer classification system. Award requires completion of course X3OBR-14N1A-007, Intelligence Operations Officer and course 3A-SI3Q/3C-ASI9N/241-ASIN7, Strategic Debriefing Course, minimum 24 months of experience in a resources intelligence position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.	***NOTE:*** HQ AFPC/DPAS officials are responsible for awarding appropriate SEI(s) to qualified 14NX personnel.
None	None	Exp Set T7	Collection Management	Experience Set T7 is established as an authorized identifier in the officer classification system. Award requires completion of course X3OBR-14N1A-007, Intelligence Operations Officer and course X5OZD14N4B-000, Intelligence Collection Management Course, minimum 24 months of experience in an intelligence collection management position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.	MPF: 2, 7. Manpower: 2, 10. ***NOTE:*** Functional and manpower officials are responsible for ensuring appropriate 14NX positions are coded with the appropriate SEI. AFPC: 2, 9. ***NOTE:*** HQ AFPC/

Current AFSC	Current Title	New AFSC	New Title	Summary of Change	Conversion Instruction Notes
None	None	Exp Set T8	Signals Intelligence (SIGINT)	Experience Set T8 is established as an authorized identifier in the officer classification system. Award requires completion of course X3OBR-14N1A-007, Intelligence Operations Officer, minimum 24 months of experience in a cryptologic position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.	DPAS officials are responsible for awarding appropriate SEI(s) to qualified 14NX personnel.
None	None	Exp Set T9	Measurement and Signature Intelligence (MASINT)	Experience Set T9 is established as an authorized identifier in the officer classification system. Award requires completion of course X3OBR-14N1A-007, Intelligence Operations Officer, minimum 24 months of experience in a MASINT position and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.	
None	None	Exp Set T0	Systems Management	Experience Set T0 is established as an authorized identifier in the officer classification system. Award requires completion of course X3OBR-14N1A-007, Intelligence Operations Officer or course X3OXR14N3B-000, Intelligence Applications Course, minimum 24 months of experience in an intelligence systems management position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.	
None	None	Exp Set 0S	Modeling and Simulation (M&S)	Experience Set 0S is established as an authorized identifier in the officer classification system. Award requires 15 months of experience in a valid M&S position, and recommendation by the M&S activity director and unit commander.	MPF: 2, 7. AFPC: 2, 9. Manpower: 2, 10.

Attachment 2

PREFIXES

Prefix	Title	Explanation
B	Squadron Operations/ Operations Support/ Maintenance Officer	Prefix B identifies positions on manning documents and officers serving in, or qualified to serve in, positions as Squadron Operations Officer, senior Squadron Operations Support Officer, or senior Squadron Maintenance Officer in operational squadrons assigned to operations groups at the wing level. (**This prefix is not authorized for use in squadrons or groups that report directly to organizations above wing level.)** This prefix is restricted to Maj or Lt Col authorizations on manpower documents. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retained only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) if the officer demonstrates qualification as a Squadron Operations Officer, Squadron Operations Support Officer, or Squadron Maintenance Officer. Retain the prefix as long as the officer remains qualified. Use prefix B with only the following AFSCs: 11X3 12X3 13X3 14N3 15W3 21A3 21L3 21M3 31P3 32E3 33S3 62E3
C	Commander	Prefix C identifies positions on manning documents and officers serving in, or qualified to serve in, positions of command below group level, such as squadrons, headquarters squadron sections, support squadrons, and detachments. ***NOTE:*** Persons serving in, or qualified to serve in, C prefix positions must be delegated authority, in writing, to administer actions under Article 15 Uniform Code of Military Justice. Affix to the Duty AFSC upon assignment of officers to these positions and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) when qualification as a commander has been demonstrated. Normally, prefix C will be affixed to the awarded AFSC in which duty as a commander is being performed. It will be retained as long as the officer remains qualified as a commander. Officers must possess the following prerequisites for the award of this prefix: 1. Knowledge of military administration, military justice, and personnel management. 2. A minimum of 12 months' experience in a command position before award. 3. Certification by immediate supervisor that the officer possesses commander qualifications.

Prefix	Title	Explanation
D	Advanced Medical Service Resident	Prefix D identifies officers who have had 36 months' experience in the appropriate utilization field since graduation from professional school, which includes a minimum of 24 months of formal clinical or aerospace medicine residency training or equivalent experience acceptable to an American Specialty Board accomplished as the second and third year of postgraduate training. Do not use prefix D on manning documents for AFSCs 41AX through 43XX and 46XX. Do not affix to the Duty AFSC of officers. Award and affix to the awarded AFSC (primary, second, or third) in which the officer completed residency requirement. Delete the prefix upon award of the qualified AFSC. Use prefix D only with entry level awarded AFSCs. Award and delete only at major command level or higher.
E	Electronic Combat (EC) Support Duty	Prefix E identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring functional area expertise with the ability to plan, collect, analyze, and apply intelligence support to electronic combat operations or the research, development, and acquisition of US electronic combat forces. Officers in these positions require knowledge of US and foreign electronic combat capabilities, vulnerabilities, strategies, tactics, operations and related activities. These officers support (but do not take the place of) Electronic Combat Coordinators and other electronic combat operations positions. Affix to the Duty AFSC (entry or qualified) on assignment of officers to these positions and retain only so long as they are incumbents. Award and affix prefix to the awarded AFSC (primary, second, or third) in which qualification as an electronic combat support officer is demonstrated. Retain as long as the officer remains qualified. Award by headquarters no lower than major command level. Officers must possess the following prerequisites for award of this prefix: 1. Twenty-four months' experience in the operational or technical aspect of an Air Force functional area. 2. An entry or qualified AFSC. 3. Completion of the Air Education and Training Command Electronic Combat Support course, unless waived by the major command. 4. Certification of capability to support electronic combat by the unit commander or supervisor. Use prefix E only with AFSCs 14N3/4.
F	Aircraft Systems Flight Evaluation	Prefix F identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring the ability to perform flight evaluations or functional check flights on aircraft and components. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only as long as they are incumbents.

Prefix	Title	Explanation
F	Continued	Award and affix to the awarded AFSC (primary, second, or third) in which qualification as an Aircraft Systems Flight Evaluation Officer has been demonstrated. Retain as long as the officer remains qualified. Officers must possess the following prerequisites for award of this prefix: 1. Flying Status Code as listed in AFR 700-20, volume 1, *Air Force Data Dictionary (On-line)*. 2. Ability to perform functional check flights or flight evaluations on aircraft. 3. Authorization by unit commander to perform functional check flights or flight evaluations on aircraft. 4. A minimum of 18 months' experience in aircraft systems flight evaluation assignments. For officers possessing AFSCs 62EX or 63AX and are incumbents of positions of Chief, Test and Deployment, and Director, Test Force Development, a minimum of 6 months' experience and current qualification in the system or the prototype for which the incumbent has development responsibility is required. For officers assigned primary duty as functional check flight pilots, or navigators who have completed a formal course of instruction on functional check flight duties and have 3 months' experience in aircraft systems flight evaluation assignments, the 18 months' experience requirement is not applicable. Use prefix F only with the following AFSCs: 11X3 12X3 21AX 21LX 60C0 62EX 63AX
G	Automated Systems Program Designer	Prefix G identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring functional area expertise with the ability to design automated systems programs for the computers associated with an automated Air Force function. Do not use this prefix to identify positions and personnel with full qualification in the Communications-Computer Systems Career Area. AFSCs 33SX are more appropriate. The Automated Systems Program Designer (ASPD) interprets and refines plans and specifications prepared by the systems analysts, and prepares system logic flowcharts depicting an automated problem solution for which detailed functional area knowledge is essential. During program development, ASPDs use functional area knowledge to expedite the conversion of plans, flowcharts, and specifications of operational sequences into machine instructions. This includes developing general methodology, processing logic above detailed level, and data processing materials within system input and output formats. ASPDs prepare system charts, administrative processing charts, and data layouts showing information to be processed. Also, they use functional area knowledge to direct activities of programmers and coders in the development, maintenance, and modification of programs. Award and affix to the awarded AFSC (primary, second, or third) in which qualification as an ASPD has been demonstrated. Retain as long as the officer remains qualified. Award and delete by headquarters no lower than major command level. Officers must possess the following prerequisites for award of this prefix: 1. Twelve months' experience in the operational aspects of an Air Force functional area while serving in an authorized AFSC applicable to that area.

Prefix	Title	Explanation
G	Continued	2. Completion of a formal training course in computer systems design and programming, and a minimum of 12 months' experience performing the duties described above. This experience is in addition to the experience required in paragraph 1 (6 months' additional experience may be substituted for the formal training course.) ***NOTE:*** The substitution of experience for formal training does not apply to personnel in AFSC 21S3. These individuals must complete the mandatory training and the 12 months' experience before award of the prefix. A waiver of the mandatory training for personnel in AFSC 21S3 may be granted only by the major command. When a waiver is granted, the 18 months' experience requirement will apply. 3. Possession of an authorized AFSC at the qualified or staff level. 4. Certification of capability to design automated data program systems associated with the automated function by the unit commander or supervisor of the automated system. Use prefix G only with the following awarded AFSCs: 11X3/4 12X3/4 13B3B/C/D/K/L 13SXA/D/E 14N3/4 15W3 21L3 21S3 34M3 36P3 38M3 41A3 61S3/4 62E3/4 65F3
H	Military Consultant to the Surgeon General	Prefix H identifies officers selected by the Air Force Surgeon General's Officer Classification Board as having achieved consultant status in a particular medical service or physiological support specialty. Do not use this prefix on manning documents. Do not affix to the Duty AFSC of officers. Award and affix the prefix to the awarded AFSC (primary, second, or third) in which the officer has been selected as a Military Consultant to the US Air Force Surgeon General. Do not award the prefix without prior approval by HQ USAF Surgeon General. Officer must be selected by the HQ USAF Surgeon General's Officer Classification Board as having achieved consultant status in a particular medical service specialty for the award of this prefix. Use prefix H only with qualified level awarded AFSCs in the medical career area, or pilot or navigator physiological training specialists (AFSCs M11XX or M12XX).
J	Parachutist	Prefix J identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring parachutist qualifications. Affix to the Duty AFSC upon assignment of officers to these positions and retained only as long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification as a parachutist is demonstrated. Retain only so long as the officer remains qualified.

Prefix	Title	Explanation
J	Parachutist	Officers must possess the following prerequisites for the award of this prefix: 1. Successful completion of parachutist training. 2. Physical qualification to perform parachute duty according to AFI 48-123, *Medical Examination and Standards*. 3. Parachute rating.
K	Instructor	Prefix K identifies positions on manning documents and officers serving in, or qualified to serve in positions as an Instructor Pilot, Navigator, Air Battle Management Officer, Space and Missile, and Command and Control, Aerial Reconnaissance Weather Officer, or Airborne Intelligence Officer for the weapon system with which the AFSC is associated. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification has been demonstrated. Retain as long as the officer remains qualified. Use prefix K only with the following awarded AFSCs: 11X3 12B2E 12X3 13B3B/C/D/K/L 13S2C 13S3A/B/C/D/E 14N3 15W3
L	Life Support	Prefix L identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring functional area expertise with the ability to plan, organize, coordinate, and direct training of aircrews in ejection and emergency egress, parachute use, survival kits and components, protective clothing, refresher survival procedures, and rescue. Officers performing these duties determine unit life support equipment requirements; supervise use, care, storage, inspection, and fitting of life support equipment; review aircraft accident, safety, and operational hazard reports for life support related equipment; supervise training of survival training and protective equipment personnel; and supervise training of aircrews in use of life support equipment necessary to perform aircrew duties. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only as long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification has been demonstrated. Retain as long as the officer remains qualified. Officers must possess the following prerequisites for award of this prefix: 1. Successful completion of a life support officer course and 1 year of experience as a life support officer. 2. Current aeronautical rating and current flying status orders as a pilot or navigator. Use prefix L only with awarded AFSCs 11XX and 12XX.

Prefix	Title	Explanation
M	Medical Service Specialist	Prefix M identifies officers certified by an appropriate American Specialty Board or other board acceptable to the Air Force Surgeon General. See AFI 41-104, *Professional Board Examination and Specialty Badges*, for a list of approved boards and certification procedures for award of prefix M. Do not use this prefix on manning documents. Do not affix to the Duty AFSC of officers. Award and affix to the awarded AFSC (primary, second, or third) in which the officer has received certification. Delete this prefix upon award of prefix H. In the medical career area, use only with qualified (4XX3X) awarded AFSCs. Prefix M is also used to identify positions on manning documents and officers serving in, or qualified to serve in, positions as a qualified physiological training instructor in AFSCs 11XX and 12XX. Designation of these positions and certification of qualification for award of this prefix is by the office of the Chief, Flight Medicine, AFMOA. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only as long as they are incumbents. For award with AFSCs 11XX and 12XX, completion of an approved formal physiological training instructor course is mandatory. For physiological training, use prefix M only with AFSCs 11XX and 12XX.
N	Navigator Required	Prefix N identifies first lieutenant through colonel positions on manning documents and officers serving in, or qualified to serve in, positions requiring rated knowledge and background of a navigator as an integral part of position requirements. These positions are rated requirements identified with nonrated AFSCs. All positions requiring this prefix to be authorized with a nonrated AFSC must be designated and authorized by the Directorate of Operations and Training (HQ USAF/XOOT). Submit requests according to AFI 38-201, *Determining Manpower Requirements*. This prefix is not intended or authorized for use with rated AFSCs. Affix to the duty AFSC upon assignment of officers to these positions, and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, third) in which qualification is demonstrated. Retain only so long as officer remains qualified.

Prefix	Title	Explanation
N	Continued	When prefix N is affixed to an AFSC (manpower document, duty, awarded), one of the following suffixes must be affixed to the AFSC: P - Fighter R - Bomber T - Strategic Airlift V- Electronic Warfare Officer Q - Trainer S - Tanker U - Tactical Airlift W - General If an AFSC authorized for use with prefix N has authorized suffixes (e.g., 61S3B), then drop the existing suffix and use one of the suffixes listed above (e.g., N61S3W). Officers assigned to prefix N positions must possess a current aeronautical rating and qualification for aviation service as a navigator.
		Use prefix N only with the following AFSCs: 10C0 13AX 13B3A/1A 13B4 13S1A/B/D/E 13S3A/B/D/E 13S4 14NX 16AX 20C0 21GX 21LX 21TX 30C0 32EX 33SX 36PX 61SX 62EX 63AX 64PX 80C0 81C0 81T0 82A0 83R0 91C0 97E0
P	Pilot Required	Prefix P identifies first lieutenant through colonel positions on manning documents and officers serving in, or qualified to serve in, positions requiring rated knowledge and background of a pilot as an integral part of position requirements. These positions are rated requirements identified with nonrated AFSCs. All nonrated AFSC positions requiring this prefix must be designated and authorized by the Directorate of Operations and Training (HQ USAF/XOOT). Submit requests according to AFI 38-201. This prefix is not intended or authorized for use with rated AFSCs. Affix to the duty AFSC upon assignment of officers to these positions, and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, third) in which qualification is demonstrated. Retain as long as the officer remains qualified. When prefix P is affixed to an AFSC (manpower document, duty, awarded), then one of the following suffixes must be affixed to the AFSC: P - Fighter R - Bomber T - Strategic Airlift V - Helicopter Q - Trainer S - Tanker U - Tactical Airlift W - General If an AFSC authorized for use with prefix P has authorized suffixes (e.g., 61S3B), then remove the existing suffix and use one of the suffixes listed above (e.g., P61S3W). Officers assigned to prefix P positions must possess a current aeronautical rating and qualification for aviation service as a pilot. It's used only with the following AFSCs:

Prefix	Title	Explanation
P	Continued	10C0 13AX 13B3A/1A 13B4 13S1A/B/D/E 13S3A/B/D/E 13S4 14NX 16AX 20C0 21GX 21LX 21TX 30C0 32EX 33SX 36PX 48XX 61SX 62EX 63AX 64PX 80C0 81C0 81T0 82A0 83R0 91C0 97E0
Q	Standardization and Evaluation	Prefix Q identifies positions on manning documents and officers serving in, or qualified to serve in standardization and evaluation positions as a Flight Examiner, Space and Missile, and Command and Control Evaluator, Air Battle Management Evaluator, Aerial Weather Reconnaissance Evaluator or Airborne Intelligence Evaluator for the weapon system with which the AFSC is associated. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only as long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification has been demonstrated. Retain as long as the officer remains qualified. Use only with the following awarded AFSCs: 11X2/3 12B2E 12X3 13B3B/C/D/K/L 13S2C/3C 13S3A/B/D/E 14N3 15W3
R	Contingency/War Planner	Identifies positions on manpower documents and officers serving in or qualified to serve in positions requiring functional area expertise, and experience and training in contingency or war planning functions. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) when officers demonstrate contingency or warplanner qualifications. Retain until changed or revoked by the AFSC career field manager with the concurrence of HQ USAF/XOXW. Officers must satisfy one of the following criteria for award of this prefix: 1.1. Successful completion of one or more of the following courses and have 6 months' experience in a prefix R position: 1.1.1. MCADRE002 - Contingency/Wartime Planning Course, PDS Code 82U; 1.1.2. MCADRE003 - Joint Doctrine Air Campaign Course, PDS Code W1B; 1.1.3. E6AZU49131 009 - Worldwide Military Command and Control System Intercomputer Network (H6000-CDT), PDS Code 11J; 1.1.4. 4925 - Joint Operation Planning and Execution System User Course (Basic) - PDS Code W5J; 1.1.5. J5OZO9000 003 - Joint Medical Planners Course (JMPC) - PDS Code XH6. Or 1.2. 12 months' experience in a prefix R position. ***NOTE:*** Changes to this prefix must be approved by HQ USAF/XOXW.

Prefix	Title	Explanation
S	Safety	Prefix S identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring functional area expertise with the ability to plan, organize, coordinate, and direct Ground, Flight, Systems, and Weapons (Missile, Explosives, or Nuclear) Safety Programs. Officers awarded this prefix must be able to perform technical safety engineering functions, direct accident investigations, conduct safety surveys, analyze accident statistics by established standards, manage safety personnel, and supervise safety education and training programs. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification is demonstrated. Retain only as long as the officer remains qualified. Officers performing duty or selected to perform duty in weapons safety functions (missile, explosives, or nuclear) must possess the following prerequisites for award of this prefix: 1.1. Successful completion of an appropriate formal safety training course. 1.2. An entry or qualified AFSC. 1.3. Twelve months' experience in a weapons safety assignment. In the areas of weapons safety (missile, explosives, or nuclear), use only with the following awarded AFSCs: 11A3 11X4 12A3 12X4 13S3C 13S4 21A3/4 22S3/4 62E3/4 Officers performing duty or selected to perform duty in flight safety functions must possess the following prerequisites for award of this prefix: 2.1. Successful completion of Air Force pilot or navigator training. 2.2. Successful completion of a flight safety officer course or 1 year's experience as a flight safety officer. 2.3. Current aeronautical rating and flying status orders as pilot or navigator. 2.4. An entry or qualified AFSC. 2.5. Performance as a pilot or navigator for a minimum of 4 years. In the area of flight safety, use S only with the following awarded AFSCs: 11X3/4 12X3/4
S	Continued	Officers performing duty or selected to perform duty in systems safety engineering functions must possess the following prerequisites for award of this prefix: 3.1. Successful completion of a systems safety officer course. 3.2. Twelve months' experience in systems safety engineering functions. 3.3. An entry or qualified AFSC. In the area of systems safety engineering, use only with the following awarded AFSCs: 11E3 60C0 61S3/4 62E3/4 63A3/4

Prefix	Title	Explanation
		Officers performing duty or selected to perform duty in ground safety functions must possess the following prerequisites for award of this prefix: 4.1. Twelve months' experience in ground safety functions. 4.2. An entry level or qualified AFSC. 4.3. Successful completion of a safety officer course. Space operations officers performing duty or selected to perform duty in safety functions supporting space operations must possess one of the following prerequisites for award of this prefix: 5.1. Successful completion of an appropriate formal safety training course. 5.2. An entry level or qualified AFSC. 5.3. Twelve months' experience in a space safety assignment. In the area of space operations, use only with the following AFSCs: 13A3 13S3A/B/D/E 13S4
T	Formal Training Instructor	Prefix T identifies positions on manning documents and officers serving in, or qualified to serve in, positions as instructors in formal training courses. It applies to instruction in nonrated specialties, and in formal flying training courses. Affix to the Duty AFSC upon assignment of officers to these positions and retain only so long as they are incumbents. Affix to the awarded AFSC (primary, second, or third) in which the officer demonstrates qualification. Retain only so long as the officer remains qualified. Training requirements for award of this prefix are determined by the supervisor for the position to which the officer is assigned. The following instructions apply to the use of this prefix for optometrist in AFSC 42EX and for physicians in AFSCs 44XX, 45XX, and 48XX. Do not award this prefix to officers if they possess prefix H. Otherwise, when approved by the major command, those who meet the following qualifications may be awarded this prefix to the specialty code in the medical field in which they are currently teaching: 1. Board certification in the specialty in which instruction is performed. 2. One year of teaching experience in the cited specialty.
T	Continued	For AFSCs 11XX and 12XX, use prefix T to differentiate schoolhouse flying training instructors and requirements from operational unit instructors and requirements identified with prefix K. Officers in AFSCs 11XX and 12XX must successfully complete a formal instructor training course in the assigned specialty for award of this prefix.

Prefix	Title	Explanation
V	Automated Functional Applications Analyst	Prefix V identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring functional area expertise with the ability to analyze, design, and manage the computer application of an automated Air Force function. Do not use this prefix to identify positions and personnel with full qualification in the Communications-Computer Systems Career Area. The use of AFSCs 33SX is more appropriate. The Automated Functional Applications Analyst functionally analyzes requirements, defines objectives, and determines how they can be met more effectively by automated methods. The analyst develops complete plans and constructs general and detailed flowcharts and block diagrams to depict graphically the systems logic and processing flow from initial inputs to final outputs. Affix to the Duty AFSC (entry, intermediate, or qualified) on assignment of officers to these positions, and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification as an automated functional applications analyst is demonstrated. Retain the prefix only so long as the officer remains qualified. This prefix is awarded and deleted by headquarters no lower than major command level. Officers must possess the following prerequisites for the award of this prefix: 1. Extensive experience in the operational aspects of an Air Force functional area. 2. An entry or qualified AFSC. 3. A minimum of 2 years' experience in design and analysis of automated systems within that functional area (operational or technical) while serving in an authorized AFSC applicable to the particular function. Experience must include performing systems feasibility or application studies for that automated system. Full qualification in prefix G, Automated Systems Program Designer, may be substituted for 1 year's experience. 4. Knowledge of computer programming functions and techniques. 5. Certification by the unit commander or supervisor of capability to perform as a systems analyst associated with the automated functions. 6. Completion of a formal systems analyst course is desirable. ***NOTE:*** Successful completion of the appropriate AETC course is mandatory for personnel in AFSCs 21S3/4. Only the major command may grant a waiver of the mandatory training requirement.
V	Continued	Use only with the following awarded AFSCs: 11X3/4 12X3/4 13B4 13B3B/C/D/K/L 13M3/4 13S4 13S3A/C/D/E 14N3/4 15W3/4 16RX 21A3/4 21G3/4 21L3/4 21M3/4 21S3/4 21T3/4 32E3/4 34M3/4 35P3/4 36P3/4 38M3/4 41A3/4 43BX 43D3/4 43E3/4 43P3/4 43T3/4 44A3 46A3/4 46N3/4 47G3/4 61S3/4 62E3/4 63A3/4 64P3/4 65F4 71S3/4

Prefix	Title	Explanation
W	Weapons and Tactics Instructor	Prefix W identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring knowledge of the characteristics, operation, use, tactics, and effects of strategic bomber, tactical fighter, airlift, rescue, reconnaissance, or conventional and nuclear weapons, and the ability to instruct in these disciplines. The weapons and tactics instructor plans, organizes, and instructs academic and flying training pertaining to the use of weapons; provides advice on the proper weapons and tactics for given target and adversaries with known weapons effects and kill probabilities; monitors squadron and higher level programs to satisfy unit training requirements; and maintains liaison with agencies to provide latest material available on weapons, tactics, and delivery systems and their use in fighter, bomber, airlift, or rescue units. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification is demonstrated. Retain so long as the officer remains qualified. Officers must possess the following prerequisites for award of this prefix: 1. Completion of one of the USAF Weapons School Weapons Instructor courses, the USAF/GAF Fighter Weapons Instructor course F4000FDIAA/WA, the USAF Combat Aerial Delivery School Weapons Instructor Course C130CADWIC, the Air Force Space Tactics School, or the Navy Electronic Combat Weapons School (ECWS). 2. A qualified, authorized AFSC appropriate to one of the courses above. Use only with the following awarded AFSCs: 11A3K/4K 11B3 11B4A/C/Y 11F3/4 11H3E/4E 11R3D/4D 12A3C/4C 12B3 12B4A/B/C/D/E/Y 12F3/4 12R3C/E/H 2R4C/E/H 12S3A/H/K 13B3B/C/D 13B4B/C/D 13S3/4 14N3/4
X	Nonrated Officer Aircrew Duty	Prefix X identifies nonrated positions on manning documents and officers serving in, or qualified to serve in, nonrated positions that require participation in frequent and regular aerial flight as an integral part of assigned duties. Affix prefix X to the Duty AFSC on assignment of officers to these nonrated positions and retain only so long as they are incumbents. Do not affix the prefix to the Awarded AFSC (primary, second, or third). Prefix X is authorized for use with any nonrated officer AFSC published in AFI 65-503, *US Air Force Cost and Planning Factors* tables for Aircrew Composition. Officers assigned to prefix X positions must meet appropriate physical standards for aircrew duty according to AFI 48-123, *Medical Examination and Medical Standards.*

Prefix	Title	Explanation
Y	Analytical Studies Officer	Prefix Y identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring the ability to conduct advanced analytical studies. Analytical studies officers conduct studies and provide optimum solutions to programs for managing manpower, performance evaluation of management, operational, and conceptual systems; devise techniques for determining and portraying relative cost effectiveness information; use mathematical, statistical, and econometric models and techniques to collect, analyze, and develop solutions relating to economic utilization of Air Force resources; conduct studies to support management decisions by relating the specific and quantitative to the broad and qualitative in order to effectively communicate requirements. Affix to the Duty AFSC (entry, intermediate, or qualified) upon assignment of officers to these positions and retained only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which qualification is demonstrated. Retain only so long as the officer remains qualified. This prefix is awarded and deleted by headquarters no lower than major command level. Officers must possess the following prerequisites for the award of this prefix: 1. At least 12 months' experience in prefix Y positions. 2. Ability to use mathematical and statistical techniques and models to compile, analyze, and evaluate data. 3. Ability to relate performance, cost, and effectiveness in studies of management, operational, and conceptual systems at all commands.
Y	Continued	Use only with the following awarded AFSCs: 11X3/4 12X3/4 13B3/4 13D3/4 13M3/4 13S3/4 14NX 21AX 21G3/4 21LX 21MX 21S3/4 21T3/4 32EX 33SX 34M3/4 36P3/4 38M3/4 61SX 62EX 63A3/4 64P3/4 65W3

Prefix	Title	Explanation
Z	Radio Frequency Spectrum Management	Prefix Z identifies positions on manning documents and officers serving in, or qualified to serve in, positions requiring radio-frequency management qualifications. Affix to the Duty AFSC (entry or qualified) upon assignment of officers to these positions, and retain only so long as they are incumbents. Award and affix to the awarded AFSC (primary, second, or third) in which radio frequency management training has been received. Retain the prefix so long as the officer remains qualified. Officers must possess the following prerequisites for the award of this prefix: 1. An entry or qualified AFSC. 2. Successful completion of formal training in radio frequency spectrum management or a minimum of 24 months' experience in a frequency management position. 3. Certification by immediate supervisor that the officer possesses frequency spectrum management qualifications. Use only with the following awarded AFSCs: 33S3/4 33S3A/B

Attachment 3

REPORTING IDENTIFIERS (RI)

Reporting identifiers identify authorizations and individual officers not otherwise identifiable in the classification structure. They do not have specialty descriptions. The following is a complete listing of reporting identifiers.

REPORTING IDENTIFIERS	
Identifier	**Title**
90G0	General Officer
91C0	Commander
91W0	Wing Commander
92J0	Nondesignated Lawyer
92J1	AFROTC Educational Delay Law Student
92J2	Funded Legal Education Program Law Student
92J3	Excess Leave Law Student
92M0	HPSP Medical Student
92M1	Uniformed Services Univ. of Health Sciences (USUHS) Student
92M2	HPSP Biomedical Science Student
92R0	Chaplain Candidate
92S0	Student Officer Authorization
92T0	Pilot Trainee
92T1	Navigator Trainee
93P0	Patient
94N0	Nuclear Weapons Custodian
95A0	Non-EAD USAFR Academy or Civil Air Patrol Liaison Office
96D0	Off Not Avail For Use in Awarded AFSC For Cause
96U0	Unclassified Officer
96V0	Unallotted
97E0	Executive Officer Above Wing Level

1. 90G0 General Officer. Use this identifier to report the Duty and Primary AFSC of all officers in the grade of brigadier general or higher, regardless of duty assignment. It is also used to report the Duty AFSC of colonels serving in authorized general officer positions. Make retroactive changes in qualifications' records. Related DoD Occupational Group: 1A.

2. 91C0 Commander. Use this identifier to report the Duty and Primary AFSC of officers serving in Commander positions where use of prefix "C" with a specific functional AFSC (CXXXX), a group commander AFSC (X0C0) or the wing commander (91W0) identifiers is not appropriate. (Examples include school commandants and NAF/CVs who are not General Officers). Related DoD Occupational Group: 1B.

3. 91W0 Wing Commander. Use this identifier to report the Duty and Primary AFSC of officers serving in Wing Commander positions not authorized a General officer grade. Related DoD Occupational Group: 1B.

4. 92J0 Nondesignated Lawyer. Use this identifier to report the Primary and Duty AFSC of legal officers serving in staff positions but not designated as Judge Advocates. Related DoD Occupational Group: 5F.

5. 92J1 AFROTC Educational Delay Law Student. Use this identifier to report the Primary and Duty AFSC of non-extended active duty Reserve officers who have been commissioned under the AFROTC program and have been granted an educational delay to attend law school before reporting for active duty. Related DoD Occupational Group: 9B.

6. 92J2 Funded Legal Education Program Law Student. Use this identifier to report the Primary and Duty AFSC of officers participating in the Funded Legal Education Program. Retain RI 92J2 as 2AFSC or 3AFSC on completion of law school. Related DoD Occupational Group: 9B.

7. 92J3 Excess Leave Law Student. Use this identifier to report the Primary and Duty AFSC of law students in excess

leave status. Retain RI 92J3 as 2AFSC or 3AFSC on completion of law school. Related DoD Occupational Group: 9B.

8. 92M0 Health Professions Scholarship Program (HPSP) Medical Student. Use this identifier to report the Primary and Duty AFSC of a newly commissioned officer in training as a medical student under the Air Force HPSP (AFI 41-110, *Applying for Medical School and Medical Programs*). Related DoD Occupational Group: 9B.

9. 92M1 Uniformed Services University of Health Sciences (USUHS) Student. Use this identifier to report the Duty and Primary AFSC of commissioned officers in training under the School of Medicine Uniformed Services of Health Sciences Program (AFI 41-110). Related DoD Occupational Group: 9B.

10. 92M2 HPSP Biomedical Science Student. Use this identifier to report the Primary and Duty AFSC of a newly commissioned officer in training as a biomedical science student under the Air Force Health Professions Scholarship Program (HPSP) (AFI 41-110). Related DoD Occupational Group: 9B.

11. 92R0 Chaplain Candidate. Use this identifier to report the Primary and Duty AFSC of all Reserve Chaplain candidates who possess an accredited bachelor's degree and are enrolled as full-time seminarians, or who have completed seminary training and are awaiting ecclesiastical endorsement. Related DoD Occupational Group: 9B.

12. 92S0 Student Officer Authorization. Use this identifier to identify student authorizations and to report the Duty AFSC of an officer attending an Air Force-wide training course conducted by Air University or Air Education and Training Command. Related DoD Occupational Group: 9E.

13. 92T0 Pilot Trainee. Use this identifier to report the Primary and Duty AFSC of newly commissioned officers selected for pilot training, and to report the Duty AFSC of officers entering Primary-Basic Pilot Training. Related DoD Occupational Group: 9B.

14. 92T1 Navigator Trainee. Use this identifier to report the Primary and Duty AFSC of newly commissioned officers selected for navigator training, and to report the Duty AFSC of officers entering Specialized Undergraduate Navigator Training. Related DoD Occupational Group: 9B.

15. 93P0 Patient. Use this identifier to report the Duty AFSC of officers in patient status. Related DoD Occupational Group: 9A.

16. 94N0 Nuclear Weapons Custodian. Use this identifier to report the Duty AFSC of a nuclear weapons custodian. Officer provides a capability to supervise custody of nuclear munitions, when required, to ensure compliance with security and safety standards, and to monitor specific functions of munitions loading operations. The officer may serve as a member of a Permissive Action Link Surveillance Team, if required, in which case officer administers a positive control over equipment, assists in weapons checking during Permissive Action Link modification, provides proper security, storage, and maintenance of Permissive Action Link technical equipment as well as performing pertinent inspections. The officer must meet Personnel Reliability Program requirements for a critical position, as outlined in AFI 36-2104, *Nuclear Weapons Personnel Reliability Program*. Related DoD Occupational Group: 4E.

17. 95A0 Non-EAD USAFR Academy or Civil Air Patrol Liaison. Use this identifier to report the Duty AFSC of non-extended active duty Reserve officers who are participating in the Academy and Civil Air Patrol Liaison Programs. Related DoD Occupational Group: 9E.

18. 96D0 Officer Not Available for Use in Awarded AFSC for Cause. Use this RI to report the Duty AFSC of officers not available to perform duty in an awarded AFSC because of duty status change. Restrict use of this RI to duty status codes 05 (civil confinement more than 30 days), 06 (deserter), 17 (military confinement more than 30 days), or 52 (leave-appellate review). Do not use this RI to identify position authorizations on manpower documents. Related DoD Occupational Group: 9E.

19. 96U0 Unclassified Officer. Use this identifier to report the Duty and Primary AFSCs of all officers who have lost qualification in their specialty and possess no other awarded AFSC. This RI does not apply to people eliminated from flying training, technical training, or other formal schools unless those eliminated are placed on medical or legal hold. Placing officers into RI 96U0 does not relieve the Military Personnel Flights from message reporting of unprogrammed available officers according to AFI 36-2110, *Assignments*. Do not use this RI to identify position authorizations on manpower documents. Related DoD Occupational Group: 9E.

20. 96V0 Unallotted. Use this identifier to report those authorizations within bulk allotments of officer personnel that are not specifically allocated by AFS. Do not use this RI to identify personnel. Related DoD Occupational Group: 9E.

21. 97E0 Executive Officer Above Wing Level. Use this identifier to report the Primary and Duty AFSCs of officers serving in Executive officer positions above wing level. Officer oversees information management activities for the commander and deputy commander; handles protocol duties as required; implements, directs, and coordinates executive functions, services, and activities; represents the commander in interaction with other agencies of all levels; and is responsible for unit programs and special projects as directed by the commander. Related DoD Occupational Group: 7A.

Attachment 4

INTRODUCTION

SPECIAL DUTY IDENTIFIERS

Special Duty Identifiers (SDI) identify authorizations for, and officers assigned to and performing an actual group of tasks on a semi-permanent or permanent duty basis. These duties are unrelated to any specific utilization field. No significance as to the interrelationship of these SDIs should be inferred from their grouping within this section. The following is a complete listing of special duty identifiers.

SPECIAL DUTY IDENTIFIERS	
Identifier	**Title**
80C0	Commander, Cadet Squadron, USAF Academy
81C0	Training Commander, Officer Training School
81T0	Instructor
82A0	Academic Program Manager
83R0	Recruiting Service
84H0	Historian
85G0	USAF Honor Guard
86M0	Operations Management
86P0	Command and Control
87G0	Inspector General
88A0	Aide-de-Camp
88P0	Protocol

Attachment 5

INTRODUCTION

OPERATIONS CAREER AREA (1XXX)

The Operations Career Area encompasses utilization fields that directly employ weapon and supporting systems to accomplish the primary operational mission of the Air Force. Included are Operations Commander, Pilot, Navigator, Astronaut, Command and Control, Space and Missile, Intelligence, Weather, and Operations Support. Use AFSC 10C0 to identify Operations Group Commanders. Use prefix C with pilot and navigator AFSCs 11X3 and 12X3 to identify commanders of squadrons with flying missions. Use prefix C with AFSCs 13X3, 14N3, 15N3, and 16X3 to identify commanders of appropriate units.

Use the pilot or navigator AFSC appropriate to the type of mission and weapon system flown to identify commanders and operations officers of all squadrons with flying as their primary mission, and to identify primary duty instructor pilots and navigators in operational units. Commensurate with grade and experience, duties as squadron commander, squadron operations officer, and instructor pilot or navigator are an inherent responsibility of rated officer specialties.

The Operations Commander coordinates and directs the efforts and resources of Operations units to meet mission goals and objectives. The following is a complete listing of the Operations Career Area.

Operations	
10C0	Operations Commander
Pilot	
11AX	Airlift Pilot
11BX	Bomber Pilot
11EX	Test Pilot
11FX	Fighter Pilot
11GX	Generalist Pilot
11HX	Helicopter Pilot
11KX	Trainer Pilot
11RX	Reconnaissance/Surveillance/Electronic Warfare Pilot
11SX	Special Operations Pilot
11TX	Tanker Pilot, C-12 CTP
Navigator	
12AX	Airlift Navigator
12BX	Bomber Navigator
12EX	Test Navigator
12FX	Fighter Navigator
12GX	Generalist Navigator
12KX	Trainer Navigator
12RX	Reconnaissance/Surveillance/Electronic Warfare Navigator
12SX	Special Operations Navigator
12TX	Tanker Navigator
Space, Missile, and C2	
13AX	Astronaut
13BX	Air Battle Management
13DX	Combat Control
13MX	Air Traffic Control
13SX	Space & Missile

Intelligence	
14NX	Intelligence
Weather	
15WX	Weather
Operations Support	
16AX	Air Attaché
16GX	Air Force Operations Staff Officer
16PX	International Politico-Military Affairs
16RX	Planning & Programming

Attachment 5

INTRODUCTION

PILOT UTILIZATION FIELD (11XX)

The Pilot Utilization Field encompasses all functions performed by rated pilot officers to conduct or directly support flying operations, including combat, combat support, and training missions. Inherently included are supervisory and staff functions such as inspection, contingency planning, and policy formulation.

Specific instruction on use of certain AFSCs:

Identify pilots with 11XX specialties appropriate to the type of missions and weapon system involved. Use the following prefixes to identify additional rated qualifications and experience, and unit manpower document positions that require these capabilities:

B - Squadron Operations/Maintenance Officer.
C - Commander.
F - Aircraft Systems Flight Evaluation.
G - Automated Systems Program Designer.
H - Military Consultant to the Surgeon General.
K - Instructor for weapon system designated by AFSC.
L - Life Support.
M - Medical Service Specialist (Physiological Training Instructor).
P - Pilot Required.
Q - Standardization or Flight Examiner for weapon system designated by AFSC.
S - Safety.
T - Formal Training Instructor.
V - Automated Functional Applications Analyst.
W - Weapons and Tactics Instructor.
Y - Analytical Studies Officer.

Identify pilots serving as instructor pilots in undergraduate pilot training and formal training units (FTU) with a T prefix. Do not award a T prefix to instructor pilots in operational units. Prefix K identifies these instructors and authorizations.

In each fixed-wing major weapon system (MWS) specialty, use suffix R to identify pilots serving as Flight Screening Program instructors in the T-3 or T-41. Use suffix S to identify pilots serving as Undergraduate Pilot Training Phase II instructors (T-34/T-37). Use suffix T to identify pilots serving as Undergraduate Pilot Training Phase III instructors (T-1, T-38, or T-44). For classification purposes, Europe-NATO Joint Jet Pilot Training (ENJJPT) and Pilot Instructor Training (PIT) duty is included in the S and T suffixes.

Pilots assigned to duty as Aerospace Physiology Instructors, after completion of formal training, may be identified by prefix M. The Chief, Flight Medicine, Air Force Medical Operations Agency, validates positions and awards the AFSC.

Identify requirements for staff officers above wing level with a staff AFSC (11X4). Award individuals possessing a qualified AFSC (11X3) or a staff AFSC (11X4) upon assignment to a position so identified.

Qualification level 3 designates a pilot qualified as an aircraft commander in the assigned specialty or credit. Level 2 identifies qualification as a copilot, if appropriate, for a specific system. Level 1 identifies rated pilots at the entry level for their specialty.

Current aeronautical rating and qualification for aviation service according to AFI 11-402, *Aviation and Parachutist Service, Aeronautical Ratings and Badges* are mandatory for award and retention of pilot AFSCs. See AFI 36-2101, *Classifying Military Personnel (Officers and Airmen)* for policy on retention or withdrawal of rated AFSCs for personnel disqualified from aviation service or placed in an inactive status. The following is a complete listing of .AFSCs for the Pilot Utilization Field.

UTILIZATION FIELD	*AFSC	AIR FORCE SPECIALTY TITLE
PILOT	11A4* 11A3* 11A2* 11A1	Airlift Pilot A - C-5 B - C-9 C - C-12 D - C-17 E - C-20 F - C-21 G - VC-25 H - C-26 J - C-27 K - C-130 L - C-135/C-137 M - C-141 N - T-43 P - SUNT (T-1/T-2/T-34/T-38) R - FSP Instr (T-3/T-41) S - SUPT Phase II Instr (T-34/T-37) T - SUPT Ph III Instr (T-1/T-38/T-44) U - ALO V - Inter-Theater Airlift, General W - Intra-Theater Airlift, General Y - General Z - Other
	11B4* 11B3* 11B2* 11B1*	Bomber Pilot A - B-1 B - B-2 C - B-52 M - T-37 ACE/CTP N - T-38 ACE/CTP P - SUNT(T-1/T-2/T-34/T-38) R - FSP Instr (T-3/T-41) S - SUPT Phase II (T-34/T-37) T - SUPT Ph III (T-1/T-38/T-44) U - ALO Y- General Z - Other
	11E4* 11E3* 11E1*	Experimental Test Pilot A - Airlift/Tanker/ Bomber B - Fighter C - Helicopter/VSTOL Q - Msn Spt (T-38, etx) P - SUNT (T-1/T-2/T-34/T-38) R - FSP Instr (T-3/T-41) S - SUPT Phase II Instr (T-34/T-37) T - SUPT Ph III Instr (T-1/T-38/T-44) U - ALO Y - General Z - Other
	11F4* 11F3* 11F1*	Fighter Pilot A - A-7 B - A-10 C - F-4 D - F-4G E - RF-4 F - F-15 G - F-15E H - F-16 J - F-22 K - F-111 L - EF-111 M - F-117 N - OA-10 P - SUNT (T-1/T-2/T-34/T-38) Q - AT-38 R - FSP Instr (T-3/T-41) S - SUPT Ph II (T-34/T-37) T - SUPT Ph III (T-1/T-38/T-44) U - ALO V - EA-6B Y - General Z - Other
	11G4 11G3	Generalist Pilot
	11H4* 11H3* 11H2* 11H1*	Helicopter Pilot A - HH-1H B - UH-1H C - UH-1N D - HH-3 E - HH-60 T - SUPT-H Instr (UH-1/TH-67) U - ALO W - CSR, General Y - General Z - Other
	11K4* 11K3* 11K1*	Trainer Pilot A -T-1 SUPT(FAIP/Other) B - T-3/T-41 C - T-34/T-37 SUPT (FAIP/Other) D - T-38/T-44 SUPT (FAIP/Other) G - SUNT(T-1/T-2/T-34/T-38)(FAIP/Other) L - C-12 CTP M - T-37 ACE/CTP N- T-38 ACE/CTP U - ALO Y - General Z - Other

UTILIZATION FIELD	*AFSC	AIR FORCE SPECIALTY TITLE
PILOT (continued)	11R4* 11R3* 11R2* 11R1*	Reconnaissance/Surveillance/Electronic Warfare Pilot A - E-3 J - TR-1/U-2 B - E-4 L - E-8 C - EC-130 P - SUNT (T-1/T-2/T-34/T-38) D - HC-130 R - FSP Instr (T-3/T-41) E - WC-130 S - SUPT Ph II Instr (T-34/T-37) F - EC-135 T - SUPT Ph III Instr (T-1/T-38/T-44) G - RC-135 U - ALO H - WC/OC-135 Y - General Z - Other
	11S4* 11S3* 11S2* 11S1*	Special Operations Pilot A - MH-53 R - FSP Instr (T-3/T-41) B - MH-60 S - SUPT Phase II Instr (T-34/T-37) C - AC-103H T - SUPT Ph III Instr (T-1/T-38/T-44) D - AC-130U U - ALO E - HC-130 V - SOF Helicopter, General F - MC-130E W - SOF Fixed Wing, General G - MC-130H Y - General P - SUNT(T-1/T-2/T-34/T-38) Z - Other
	11T4* 11T3* 11T2* 11T1*	Tanker Pilot A - KC-10 R - FSP Instr (T-3/T-41) B - KC-135 S - SUPT Phase II Instr (T-34/T-37) L - C-12 CTP T - SUPT Ph III Instr (T-1/T-38/T-44) M - T-37 ACE/CTP U - ALO N - T-38 ACE/CTP Y - General P - SUNT(T-1/T-2/T-34/T-38) Z - Other

Staff AFSC 11F4*
Aircraft Commander AFSC 11F3*
Entry/Student AFSC 11F1*

FIGHTER PILOT
(Changed 30 Apr 98)

1. Specialty Summary. Pilots fighter aircraft and commands crews to accomplish combat, training, and other missions. Related DoD Occupational Group: 2A.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Supervises mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is preflighted, inspected, loaded, equipped, and manned for mission.
2.2. Pilots aircraft and commands crew. Operates aircraft controls and equipment. Performs, supervises, or directs navigation, in-flight refueling, and weapons delivery.
2.3. Conducts or supervises training of crewmembers. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Pilot Training (SUPT).
3.3.2. For award of AFSC 11F3X, completion of transition and operational training in the suffix specific aircraft.
3.4. Experience. For upgrade to AFSCs 11F3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of this AFSC, current aeronautical rating and qualification for aviation service as pilot.
3.5.2. For award of AFSC 11F3X, certification of aircraft commander qualification by appropriate operations authority.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	A-7
B	A-10
C	F-4
D	F-4G
E	RF-4
F	F-15
G	F-15E
H	F-16
J	F-22
K	F-111
L	EF-111
M	F-117
N	OA-10
P	SUNT (T-1/T-2/T-34/T38)
Q	AT-38
R	Flight Screening Program (FSP) Instructor (T-3/T-41)

Suffix	*Portion of AFS to Which Related*
S	SUPT Phase II Instructor (T-34/T-37)
T	SUPT Phase III Instructor (T-1/T-38/T-44)
U	Air Liaison Officer (ALO)
V	EA-6B
Y	General
Z	Other

Attachment 5

INTRODUCTION

NAVIGATOR UTILIZATION FIELD (12XX)

The Navigator Utilization Field encompasses all functions performed by rated navigator officers to conduct or directly support flying operations, including combat, combat support, and training missions. Inherently included are supervisory and staff functions such as inspection, contingency planning, and policy formulation.

Specific instruction on use of certain AFSCs:

Identify navigators by the 12XX specialties appropriate to the type of missions and weapon system involved. Use the following prefixes to identify additional rated qualifications and experience, and unit manpower document positions that require these capabilities:

B - Squadron Operations/Maintenance Officer.
C - Commander.
F - Aircraft Systems Flight Evaluation.
G - Automated Systems Program Designer.
H - Military Consultant to the Surgeon General.
K - Instructor for weapon system designated by AFSC.
L - Life Support.
M - Medical Service Specialist (Physiological Training Instructor).
N - Navigator Required.
Q - Standardization or Flight Examiner for weapon system designated by AFSC.
S - Safety.
T - Formal Training Instructor.
V - Automated Functional Applications Analyst.
W - Weapons and Tactics Instructor.
Y - Analytical Studies Officer.

Identify navigators serving as instructors in undergraduate navigator training and formal training units (FTU) with a T prefix. Do not award the T prefix to instructor navigators in operational units. Prefix K identifies these instructors and authorizations.

In each major weapon system (MWS) specialty, use suffix T to identify navigators serving as Specialized Undergraduate Navigator Training (SUNT) instructors. Only use suffix S to identify electronic warfare officers (EWO) serving as SUNT instructors.

Navigators assigned to duty as Aerospace Physiology Instructors, after completion of formal training, may be identified by prefix M. The office of the Chief, Flight Medicine, Air Force Medical Operations Agency validates positions and awards AFSCs.

Identify requirements for staff officers above wing level with a staff AFSC (12X4). Award individuals possessing a qualified AFSC (12X3) a staff AFSC (12X4) upon assignment to a position so identified.

Qualification level 3 designates a navigator qualified in the assigned specialty or shredout. Level 2 may be used to designate qualification at an intermediate level, if appropriate, for a specific shredout in AFSC 12BX. Level 1 identifies rated navigators at the entry level for their specialty.

Current aeronautical rating and qualification for aviation service according to AFI 11-402, *Aviation and Parachutists Servic*e are mandatory for award and retention of navigator AFSCs. See AFI 36-2101, *Classifying Military Personnel (Officers and Airmen)* for policy on retention or withdrawal of rated AFSCs for personnel disqualified from aviation service or placed in an inactive status. The following is a complete listing of .AFSCs for the Navigator Utilization Field.

UTILIZATION FIELD	AFSC	AIR FORCE SPECIALTY TITLE
NAVIGATOR	12A4* 12A3* 12A1*	Airlift Navigator A - C-5 B - VC-25 C - C-130 D - C-135/C-137 E - C-141 T - SUNT Instr U - ALO V - Inter-Theater Airlift, General W - Intra-Theater Airlift, General Y - General Z - Other
	12B4* 12B3* 12B2* 12B1*	Bomber Navigator A - B-1 Def Sys Officer B - B-1 Off Sys Officer C - B-1 WSO D - B-52 EWO E - B-52 Nav/Radar Nav S - SUNT Instr EWO T - SUNT Instr U - ALO W - EWO, General Y - General Z - Other
	12F4* 12F3* 12F1*	Fighter Navigator A - F-4 WSO B - F-4 EWO C - F-4G EWO D - RF-4 WSO E - RF-4 EWO F - F-15E WSO G - F-15E EWO H - F-111 WSO J - F-111 EWO K - EF-111 EWO S - SUNT Instr EWO T - SUNT Instr U - ALO V - EA-6B W - EWO, General Y - General Z - Other
	12G4 12G3	Generalist Navigator
	12K4* 12K3* 12K1*	Trainer Navigator A - SUNT, General B - EWO, General/Other Y - General Z - Other
	12R4* 12R3* 12R1*	Reconnaissance/Surveillance/Electronic Warfare Navigator A - E-3 B - E-4 C - EC-130 EWO D - EC-130 E - HC-130 F - WC-130 G - EC-135 H - RC-135 EWO J - RC-135 K - WC/OC-135 L - E-8 S - SUNT Instr EWO T - SUNT Instr U - ALO W - EWO, General Y - General Z - Other
	12S4* 12S3* 12S1*	Special Operations Navigator A - AC-130H EWO B - AC-130H FCO C - AC-130H D - AC-130U EWO E - AC-130U FCO F - AC-130U G - HC-130 H - MC-130E EWO J - MC-130E K - MC-130H EWO L - MC-130H S - SUNT Instr EWO T - SUNT Instr U - ALO W - EWO, General Y - General Z - Other
	12T4* 12T3* 12T1*	Tanker Navigator A - KC-135 T - SUNT Instr U - ALO Y - General Z - Other

Staff AFSC 12F4*
Qualified AFSC 12F3*
Entry/Student AFSC 12F1*

FIGHTER NAVIGATOR
(Changed 30 Apr 98)

1. Specialty Summary. Performs duties of weapon systems officer (WSO), electronic warfare officer (EWO), to accomplish combat, training, and other assigned missions. Related DoD Occupational Group: 2D.

2. Duties and Responsibilities:
2.1. Plans and prepares for mission. Reviews mission tasking, intelligence, and weather information. Participates in mission planning, preparation and filing of flight plan, and crew briefing. Ensures aircraft is preflighted, inspected, loaded, equipped, and manned for mission.
2.2. Navigates aircraft to accomplish assigned mission. Operates available navigation systems.
2.3. Conducts or supervises training of crewmembers. Ensures operational readiness of crew by conducting or supervising mission specific training.
2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of theory of flight, air navigation, meteorology, flying directives, aircraft operating procedures, and mission tactics.
3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, administration, or management is desirable.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Navigator Training (SUNT).
3.3.2. For award of AFSC 12F3X, completion of transition and operational training in the suffix specific aircraft.
3.3.3. For award of AFSCs 12F3B/C/E/G/J/K/S/W, completion of an EWO course.
3.4. Experience. For upgrade to AFSCs 12F3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
3.5. Other. For award and retention of these AFSCs, current aeronautical rating and qualification for aviation service as navigator are mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	F-4 WSO
B	F-4 EWO
C	F-4G EWO
D	RF-4 WSO
E	RF-4 EWO
F	F-15E WSO
G	F-15E EWO
H	F-111 WSO
J	F-111 EWO
K	EF-111 EWO
S	SUNT Instructor EWO
T	SUNT Instructor
U	Air Liaison Officer (ALO)
V	EA-6B
W	EWO, General
Y	General
Z	Other

Attachment 5

INTRODUCTION

SPACE, MISSILE, AND COMMAND AND CONTROL (C2)
UTILIZATION FIELD (13XX)

The Space, Missile, and C2 Utilization Field encompasses the major areas of astronauts, space and missile operations, air weapons control, airborne warning and control, air traffic control, combat control, command posts, and airfield and operations management.

The Astronaut specialty (AFSC 13AX) includes commanding space shuttle missions, piloting a space shuttle, mission specialists, accomplishing on-orbit duties, operating Department of Defense payloads, and providing manned space flight consultation.

The Command and Control Operations specialty (AFSC 13BX) includes:

Air traffic control functions encompassing policy planning, program formulation, direction, control, evaluation, and coordination of air traffic control, including command, operation, administration, and inspection of these activities.

Air weapons control encompasses command, management, and direction of air weapons control operations, including weapons employment, electronic counter-countermeasures, airspace management, program formulation, policy planning, and inspection.

Operations management encompasses direction, training, control, evaluation, and coordination of operations management activities, policy development and operational planning, and program formulation. Specific responsibilities include squadron adjutant duties; command post operations; management of airfields and aerodromes; air base operability; unit operations and training management; plans and programs management; and inspection, direction, and control of operations activities.

Combat control responsibilities include mission planning and managing combat control teams (CCT) deploying to provide air traffic control support to airlift and transitory flight operations on assault zones within airhead areas. CCTs initiate and issue clearances and instructions for air traffic separation, and ensure safe, orderly, and expeditious air traffic flow in and around assault zones.

The space and missile operations specialty encompasses operating and managing systems involved in space surveillance, intercontinental ballistic missiles (ICBM) launch, spacelift, ballistic space warning, and satellite command and control.

AFSCs 13X3/3X, and prefix C, will be used to identify individual unit commander authorizations and personnel below Group level. The following is a complete listing of AFSCs for the Space, Missile, and Command and Control Utilization Field.

UTILIZATION FIELD	AFSC	AIR FORCE SPECIALTY TITLE
SPACE, MISSILE, **AND** **COMMAND AND CONTROL**	13A3* 13A1	Astronaut A - Pilot B - Mission Specialist
	13B4* 13B3* 13B1*	Air Battle Management B - AWACS J - Air Field Management C - Air Defense K - JSTARS D - Mobile Air Control L - ABCCC F - Adjutant
	13D4 13D3 13D1	Combat Control
	13M4 13M3 13M1	Air Traffic Control
	13S4 13S3* 13S2* +13S1*	Space and Missile Operations A - Satellite Command & Control C - Missile Combat Crew D - Space Surveillance B - Spacelift E - Space Warning Note: 13S2 is only authorized with suffix C.

INTRODUCTION

INTELLIGENCE UTILIZATION FIELD (14NX)

The Intelligence Utilization Field encompasses formulating programs, policy planning, and command or direction of activities involved in comparing United States and foreign overall air potential; intelligence operations and application activities to prevent strategic, tactical, or technological surprise, and to participate in planning or conducting aerospace operations; and responsibility for mapping, charting, and geodetic policy, objectives, requirements, guidance, and oversight as they apply to planning and programming support for military operations. To accomplish these functions, intelligence personnel direct, plan, manage, and conduct activities to collect, analyze, exploit, produce, and disseminate intelligence information, including human, signal, imagery, and measurement and signature intelligence; assess industrial, technological, geographical, and sociological factors; use processed intelligence information to support military operations; prepare intelligence assessments; provide input to national, DoD, and Air Force plans and programs; provide support to air operations, special missions, and weapon system acquisition; provide support to force structure planning and international security assistance plans and programs; perform special security officer functions; provide security guidance and functions for Sensitive Compartmented Information (SCI) programs and activities; use and manage intelligence data handling systems; and exchange information and intelligence with other services, agencies, and governments.

Excluded from this career area are primary responsibilities for the functions of information, personnel, and industrial security which are included in the Security Police utilization field; functions dedicated to research of computer hardware and software, and communications and computer security which are included in the Communications-Computer Systems utilization field; operations security that is included in the Operations utilization field; and counterintelligence functions which are included in the Special Investigations utilization field.

Full development as an intelligence officer requires eligibility for access to SCI and Top Secret material. Such access is determined by favorable adjudication of a special background investigation (SBI) and periodic updates of the SBI, according to applicable security and intelligence regulations. This requirement is managed by the Air Force Intelligence Support Agency, Directorate of Security and Communication Management (HQ AFISA/INS) through a security certification program using standards established by Director of Central Intelligence Directive 1/14 and USAFINTEL 201-1, and as specified in AFI 36-2101, *Military Personnel Classification*. The following is a complete listing of AFSCs for the Intelligence Utilization Field.

UTILIZATION FIELD	AFSC	AIR FORCE SPECIALTY TITLE
INTELLIGENCE	14N4 14N3* 14N1*	Intelligence

Staff AFSC 14N4
Qualified AFSC 14N3
Entry AFSC 14N1

INTELLIGENCE
(Changed 30 Apr 98)

1. Specialty Summary. Performs and manages intelligence functions and activities to support United States and allied forces. Conducts information operations to include analysis of information vulnerability. Included are intelligence operations and applications activities; collecting, exploiting, producing, and disseminating foreign military threat information; mapping, charting, and geodetic (MC & G) data application; developing intelligence policies and plans; and human, signals, imagery, and measurement and signature types of intelligence. Provides staff supervision and technical advice. Plans and coordinates use of intelligence resources, programming, and budgeting. Supports force employment planning, execution, and combat assessment. Advises commanders, government officials, and other users of intelligence information essential to military planning and aerospace operations. Related DoD Occupational Group: 3A.

2. Duties and Responsibilities:
2.1. Performs and manages intelligence operations and applications activities. Programs, plans, and evaluates operations and applications resources and activities. Establishes priorities. Conducts and manages collection functions. Oversees collection and exploitation activities of all sources of intelligence information. Manages production, processing, and dissemination of products. Develops, validates, and prioritizes targeting and MC & G activities and procedures. Plans and implements aircrew training. Determines unit requirements and tailors intelligence support to missions, equipment, and employment tactics. Establishes, recommends, and disseminates information and intelligence collection requirements.
2.2. Supports combat operations. Performs and oversees analysis and fusion of collected intelligence, and produces assessments to meet operational requirements. Analyzes data to advise planners of options to accomplish objectives. Helps develop weaponeering methodologies. Evaluates mission accomplishment to determine remaining adversary capability and requirements for retargeting. Coordinates intelligence estimates and analytical activities. Assists in operational employment planning. Recommends weapons allocation and application. Coordinates inputs to intelligence operations plans and orders. Advises commanders on threat systems deployment, employment, tactics and capabilities, and vulnerabilities. Provides intelligence support and assists in planning and execution of information warfare. Exchanges and collects intelligence with other services, agencies, and governments.
2.3. Conducts operations and related activities. Manages and integrates collected intelligence information. Integrates intelligence into information operations. Performs and directs intelligence briefings and debriefings of repatriates, defectors, émigrés, foreign nationals, and United States personnel. Manages collection requirements by validating, prioritizing, and coordinating user requests. Ensures operational needs are met through collection system tasking. Supports weapon system acquisition and force structure planning.
2.4. Develops intelligence policies and plans. Evaluates impact of legislative action, executive orders, regulations, directives, and management decisions. Integrates intelligence activities into plans and programs. Develops and implements intelligence operations and applications policies, plans, concepts, systems, and orders, including MC & G and human, signal, imagery, and measurement and signature types of intelligence.
2.5. Manages and coordinates intelligence activities. Reports aspects of operations and applications functions and responsibilities. Confers with government, business, professional, scientific, and other nations' organizations to provide support, exchange ideas, participate in studies, and coordinate on proposals and findings. Manages intelligence responsibilities of the Department of Defense Planning, Programming, and Budgeting System. Coordinates with personnel, materiel, planning, programming, and operational functions on allocation of resources, availability of funds, and preparation and implementation of operational plans.
2.6. Directs intelligence activities. Directs operations and applications activities and organizations, and establishes goals and objectives. Reviews requirements for objectives and relative priorities. Serves as senior intelligence advisor to commanders. Directs preparation of intelligence budget estimates and financial plans. Implements standardization, evaluation, and training programs, and monitors compliance.

3. Specialty Qualifications:

3.1. Knowledge. Knowledge is mandatory of: means, methods, sources, and techniques used in intelligence operations, applications functions, and doctrine to include: collection, exploitation, production, and dissemination of foreign military threat information derived from human, signals, imagery, and measurement and signature intelligence; theories, principles, and application of the electromagnetic spectrum and United States and foreign space systems and operating parameters; applications of intelligence information to support military operations; target materials, analysis, and weaponeering; mission planning, force application and combat assessment; information warfare operations, associated countermeasures, threats, and vulnerabilities; and survival, evasion, resistance, escape, combat search and rescue, and Code of Conduct techniques and procedures. Additionally, knowledge is mandatory of: means, methods, sources, and techniques used in United States and allied military capabilities, organization, operations, and doctrine; intelligence systems and acquisition management; intelligence force management; national intelligence community structure and relationships; intelligence oversight; foreign military capability, limitations, and employment techniques; fusion, analysis, processing, and proper handling of intelligence information; analytical methods, forecasting, and estimating techniques; intelligence information handling systems; national and DoD regulatory guidance for conducting intelligence activities; and management sustaining functions such as intelligence communications and information systems, security, manpower, personnel, and training.

3.2. Education. For entry into this specialty, an undergraduate academic specialization or degree is desirable in physical, earth, computer, social, or information sciences; engineering; mathematics; or foreign area studies.

3.3. Training. For award of AFSC 14N3, completion of the Intelligence Officer Course is mandatory.

3.4. Experience. For award of AFSC 14N3, a minimum of 18 months' experience in intelligence operations functions.

3.5. Other. Not used.

INTRODUCTION

WEATHER UTILIZATION FIELD (15WX)

The Weather Utilization Field encompasses policy planning, direction, control, evaluation, and coordination of weather services. Included in this field are command, operation, administration, and technical inspection of units providing weather observing and forecasting service, weather studies, and scientific services relating to the influence of atmospheric and space environmental factors on military operations. These functions include surface, aerial, visual, and instrumental meteorological, solar, and geophysical observations; analysis, description, and forecasting of atmospheric and associated phenomena of earth and space; design of base charts and maps; and participation in the development, testing, and implementation of observing and forecasting systems.

Excluded from this field are the functions of site engineering, installation, and maintenance of electronic weather equipment. Refer to the Communications-Computer Systems Utilization Field for maintenance functions. The following is a complete listing of AFSCs for the Weather Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
Weather	15W4 +15W3* +15W1*	Weather A - Advanced Weather Actions

INTRODUCTION

OPERATIONS SUPPORT UTILIZATION FIELD (16XX)

The Operations Support Utilization Field encompasses planning, formulating, coordinating, implementing, and reporting Air Force aspects of military intelligence requirements; international politico-military policies, problems, negotiations, and conferences; and developing and writing Air Force, Joint services, and combined plans, programs, and policies. The following is a complete listing of AFSCs for the Operations Support Utilization Field.

UTILIZATION FIELD	AFSC	AIR FORCE SPECIALTY TITLE
OPERATIONS SUPPORT	16A4 16A1	Air Attache
	16G4 16G3 16G1	Air Force Operations Staff Officer
	16P4 16P3 16P1	International Politico-Military Affairs
	16R4 16R3 16R1	Planning and Programming

Attachment 6

INTRODUCTION

LOGISTICS CAREER AREA (2XXX)

The Logistics Career Area encompasses program formulation, policy planning, coordination, inspection, command and direction, and supervision and technical responsibilities pertaining to space and missile maintenance, aircraft maintenance and munitions, transportation, supply, and logistics plans and programs utilization fields.

The Logistics Commander directs and monitors logistics programs including supply, transportation, procurement, and maintenance activities; and serves as senior staff adviser to commanders. The following is a complete listing of AFSCs for the Logistics Career Area.

LOGISTICS	
20C0	Logistics Commander
21LX	Logistician
21AX	Aircraft Maintenance/Munitions
21GX	Logistics Plans
21MX	Space & Missile Maintenance
21SX	Supply
21TX	Transportation

INTRODUCTION

LOGISTICS UTILIZATION FIELD (21XX)

The Logistics utilization field encompasses all functions performed by logistics officers, including aircraft, missile, and spacelift maintenance; supply; transportation; and logistics plans. Inherently included are program formulation, policy planning, coordination, inspection, command and direction, and supervision.

The Logistician specialty (AFSC 21LX) encompasses integration of logistics disciplines at the senior level for aircraft, spacelift, and missile maintenance; transportation; supply; and logistics plans. Responsibilities include directing integrated logistics processes; accomplishing joint logistics planning for warfighting support and sustainment with the Joint Staff, Unified Commands, other military services and agencies of the Office of the Secretary of Defense; and directing acquisition and wholesale logistics activities.

The Aircraft Maintenance and Munitions specialty (21AX) encompasses functions of production management, quality control, and direction of aircraft maintenance, avionics, and munitions activities. Responsibilities include immediate supervisory and technical responsibilities for removing, installing, modifying, calibrating, repairing, and storing of aircraft, avionics, and munitions equipment and components. Included are aircraft engines, airframes, accessories, instruments, and aerospace ground equipment; aircraft systems and equipment; maintenance and management of nuclear, explosive, toxic, chemical-biological, and incendiary aerospace munitions; training in aerial bombing, gunnery, rocketry and missilery; and advising on installation defense and tactical employment of aerospace munitions.

The Logistics Plans specialty (AFSC 21GX) encompasses development of logistics plans to support Air Force, joint services, DoD, and international logistics operations in areas of supply, maintenance, transportation, and contracting. Responsibilities include planning and developing logistics support requirements, facilities support, and integrated logistics support of systems, subsystems, and equipment throughout their life cycles.

The Space and Missile Maintenance specialty (AFSC 21MX) encompasses missile maintenance, production management, quality control, and direction of maintenance activities. Responsibilities include procedures for missile technicians; facility requirements; system hardware designs; technical responsibilities for assembly, installation, checkout, component replacement, modification, repair, testing, inspection, calibration, and systems analysis of equipment; and command, preset, and automatic guidance systems, missile test equipment, and systems components.

The Supply specialty (AFSC 21SX) encompasses administration, management, and operation of all supply activities. Responsibilities include design, development, and analysis of automated or manual accounting systems for assigned supplies, equipment, and petroleum products; requirements determination and computation; allowances and authorizations; inventory and distribution control; accountability; reporting; stock fund operating programs preparation; and operating budget preparation.

The Transportation specialty (AFSC 21TX) encompasses developing, installing, coordinating, maintaining, and operating Air Force transportation facilities; motor vehicle management activities; regulation of packing, crating, and marking of freight; movement of materiel, personnel, and personal property; obligation of transportation funds; use of transportation equipment; transportation systems evaluation, analysis, and development; application of documentation and data automation techniques; movements by air and surface military and commercial carriers; and technical transportation determinations and recommendations on in-transit losses, shortages, and damage to materiel and personal property, transportation accidents, logistic phasing, equipment, facilities, funds, training, and contractual transportation. Also included are technical responsibilities for removing, installing, modifying, overhauling, repairing, and storing motor vehicles, as well as locomotives and rolling stock, vessels, and marine engines. The following is a complete listing of AFSCs for the Logistics Utilization Field.

UTILIZATION FIELD	AFSC	AIR FORCE SPECIALTY TITLE
LOGISTICIAN	21L4 21L3 21L1	Logistician
AIRCRAFT MAINTENANCE **AND MUNITIONS**	21A4 +21A3* +21A1*	Aircraft Maintenance and Munitions A - Nuclear Munitions B - Conventional Munitions
LOGISTICS PLANS	21G4 21G3 21G1	Logistics Plans
SPACE AND MISSILE **MAINTENANCE**	21M4 +21M3* +21M1*	Space and Missile Maintenance A - Missile B - Spacelift
SUPPLY	21S4 21S3 21S1	Supply
TRANSPORTATION	21T4 21T3 21T1	Transportation

Staff AFSC 21A4
Qualified AFSC 21A3*
Entry AFSC 21A1*

AIRCRAFT MAINTENANCE AND MUNITIONS
(Changed 30 Apr 98)

1. Specialty Summary. Manages maintenance and modification of aircraft, conventional and nuclear munitions, and associated equipment. Administers aircraft maintenance and munitions programs and resources. Directs aircraft and munitions maintenance production, staff activity, and related material programs. Related DoD Occupational Groups: 4D.

2. Duties and Responsibilities:
2.1. Manages aircraft and munitions maintenance production to meet operational requirements and technical standards. Recommends procedural and technical improvements and modifications. Schedules aircraft and resources to ensure required readiness. Enforces technical performance standards. Ensures assigned work force is properly trained and equipped. Assesses unit capability and advises commanders, supervisors, and staff.
2.2. Formulates maintenance plans and policies to meet taskings. Plans and programs support requirements, modifications, and modernizations. Defines technical problems and economic factors related to research and development, and system application. Sets and enforces maintenance policy affecting personnel and equipment readiness. Reviews maintenance and operational data to evaluate programs, assess trends, and identify improvements and deficiencies.
2.3. Directs aircraft and munitions maintenance production. Budgets and allocates resources to control costs and meet operational taskings. Coordinates with operational and support units to ensure equipment readiness and efficiency of assigned forces.

3. Specialty Qualifications:
3.1. Knowledge. The following knowledge is mandatory for award of AFSC indicated:
3.1.1. 21A3. Maintenance management procedures, and organizational and mission requirements; capabilities, limitations, and basic operating principles of aircraft systems and components; theory of flight and airframe construction; basic munitions, munitions procedures and quality assurance; supply, transportation, civil engineering, and other unit operations related to aircraft maintenance or munitions units.
3.1.2. 21A3A. Nuclear weapons and warheads; missile and re-entry systems; nuclear armament systems; suspension and release equipment; weapon use-control; nuclear surety; joint nuclear procedures; or related test, handling, and support equipment.
3.1.3. 21A3B. Conventional air-to-air missiles; air-to-ground weapons including guided, rocket-boosted, and unguided munitions; dispensers and submunitions; suspension and release equipment; fuses; wiring harnesses; loading procedures; safety tests; and munitions (ground) handling equipment.
3.2. Education. For entry into this AFSC, an undergraduate academic degree in management, engineering, or physical sciences is desirable.
3.3. Training: The following training is mandatory for award of AFSC indicated:
3.3.1. 21A3. Completion of an aircraft maintenance or munitions officers course.
3.3.2. 21A3A. Completion of a nuclear munitions officer course.
3.3.3. 21A3B. Completion of the aircraft maintenance officer course.
3.4. Experience. The following experience is mandatory for award of the AFSC indicated:
3.4.1. 21A3. A minimum of 24 months' experience managing aircraft or munitions and nuclear maintenance activity.
3.4.2. 21A3A. Qualification in and possession of AFSC 21A3. Also, a minimum of 6 months' experience performing and managing nuclear munitions functions and activities.
3.4.3. 21A3B. Qualification in and possession of AFSC 21A3. Also, completion of the basic course at the AF Combat Ammunition Center and a minimum of 6 months' experience performing and managing conventional munitions functions and activities; or a minimum of 12 months' experience performing and managing conventional munitions functions and activities.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Nuclear Munitions
B	Conventional Munitions

Attachment 7

INTRODUCTION

SUPPORT CAREER AREA (3XXX)
(Changed 31 Oct 97)

The Support Career Area encompasses program formulation, policy planning, coordination, inspection, command and direction, and supervision and technical responsibilities pertaining to force protection; civil engineering and disaster preparedness; communications - computer systems and visual information; morale, welfare, recreation, and services; public affairs and band; mission support, personnel, and information management; and manpower.

The Support Commander coordinates and directs the efforts and resources of Support units to meet mission and installation needs and objectives. The following is a complete listing of AFSCs for the Support Career Area.

SUPPORT	
Command	
30C0	Support Commander
Security Forces	
31PX	Security Forces
Civil Engineering	
32EX	Civil Engineer
Communications	
33SX	Communications and Information
Services	
34MX	Services
Public Affairs	
35BX	Band
35PX	Public Affairs
Mission Support	
36MX	Mission Support
36PX	Personnel
Manpower and Quality Management	
38MX	Manpower and Quality Management

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INTRODUCTION

SECURITY FORCES UTILIZATION FIELD (31PX)
(Changed 31 Oct 97)

The Security Forces Career Area encompasses development and management of force protection programs and plans that support Air Force, joint service, and combined operation mission requirements. Security Force members perform the military police function within the Air Force. Included in this career area are immediate leadership, supervisory and technical responsibilities for security of installations, facilities, and resources under the jurisdiction of the Air Force; local ground defense of installations against attack by hostile ground forces, including airborne and terrorist, under conditions which could include air and nuclear, biological, chemical attack; security of nuclear weapons in custody of the Air Force; enforcement of law and order; protection of national security information within USAF activities and industrial contractor facilities, and the determination of trust worthiness of Air Force military and civilian personnel.

Excluded from this career is the primary responsibility for Operations Security and Communications Security. The following is a complete listing of AFSCs for the Security Forces Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
SECURITY FORCES	31P4 31P3 31P1	Security Forces

INTRODUCTION

CIVIL ENGINEER UTILIZATION FIELD (32)
(Changed 31 Oct 97)

The Civil Engineer (CE) Career Area provides combat engineering support for deployed Air Force units and weapons systems, emergency repair of war damage to air bases, base denial activities, and other related combat support functions; develops, monitors, and briefs survivability actions and methods to recover capabilities after attack; and organizes, trains, and equips contingency forces for nuclear, biological, chemical, and conventional attack operations and other emergency situations. The career field also encompasses activities relating to acquisition, maintenance, operation, and disposal of real property facilities, and includes planning, program formulation and execution, policy development, inspection, command, and direction of CE activities. Included are supervisory, operational, and engineering responsibilities for construction, maintenance, and repair of Air Force real property; operation of utility systems; fire prevention, protection, and aircraft crash rescue; disaster preparedness; explosive ordnance disposal. Functions involving planning and programming for maintenance, repair, and construction requirements; design and preparing plans and specifications for contracts, contract inspection, budgetary development and planning; establishing standards, requirements, and funds management for personnel, supplies, and equipment; environmental protection and base procedures for construction and maintenance of environmental improvements; planning, budgeting, construction, maintenance, and management of military family housing; acquisition, utilization, and disposal of real estate under Air Force jurisdiction; and training and use of CE professional and technical personnel.

Officers performing civil engineering functions not requiring a specific engineering discipline are identified by AFSC 32E3G/1G. Readiness non-engineer positions and personnel are identified by AFSC 32E3D/1D; Readiness engineer positions and personnel are identified by AFSC 32E3B/1B. Non-engineer EOD positions and personnel are identified by AFSC 32E3K/1K. Engineer EOD positions and personnel are identified by AFSC 32E3H/1H. For award of a shredout other than B, D, H, K or G, the mandatory degree must be in the academic area specified by the shredout..

Civil engineer officers will be upgraded based on 2 years of duty in CE regardless of shredout, except suffixes D and K. Upgrading will be in the shredout relating to their academic discipline or suffix G - General Engineer, dependent upon duty position. Officers whose academic area is not compatible with suffixes A, C, E, F, or J will be upgraded in suffix G only.

Officers of all shredouts may be assigned to positions requiring suffix G. The following is a complete listing of AFSCs for the Civil Engineer Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
CIVIL ENGINEER	32E4 32E3* 32E1*	Civil Engineer A - Architect/Architectural Engineer B - Readiness Engineer C - Civil Engineer D - Readiness (Non-Engineer) E - Electrical Engineer F - Mechanical Engineer G - General Engineer H - Explosive Ordnance Disposal Engineer J - Environmental Engineer K - Explosive Ordnance Disposal (Non-Engineer)

Attachment 7

INTRODUCTION

COMMUNICATIONS AND INFORMATION UTILIZATION FIELD (33SX)
(Changed 31 Oct 96)

The Communications and Information (CI) Career Area encompasses communications-electronics, automatic data processing, information management, and visual information. It includes functions of program formulation, systems engineering, acquisition, installation, policy planning, inspection, evaluation, operation, maintenance, monitoring, coordination, television and motion picture production, optical instrumentation activities, and direction of communications-computer systems, information management, and visual information functions to support Air Force operations. Basic roles and functions include command opportunities and immediate supervisory, advisory, and technical responsibilities for engineering, acquisition, construction, programming, installation, operation, information management facilities, and maintenance of communications systems.

CI includes computerized communications; common user and special purpose computers and associated software, firmware, and data bases; radio and wire communications and other means used for electrical and visual transmission and reception of information or messages (clear text or encrypted); radar and radiation aids to navigation, air traffic control, and aircraft warning and interception; ground electronic devices and systems; tracking systems for aircraft, satellites, space communications, and guided missiles; electronic weather equipment; and electronic countermeasures devices. Most of the systems described can be in a fixed or mobile configuration.

Other activities and functions include production of television and motion picture programs, film strips, training films, and photographic documentaries. These include producing color or black and white prints, script writing, combat camera documentation, electronic imaging, video teleconferencing, graphic arts, presentation services, and set design and stage illumination.

Excluded from this area are communications-computer systems research and development; crypt analysis; maintenance of electronic armament and missile guidance systems; operations activities of air traffic control and aircraft warning and intercept; flight service center functions; and operation of airborne radar equipment employed as aids to fighter intercept; bombing; navigation; guided missile control; airborne electronic counter measures operations; interpreting photographs and radarscope photography; installation and operation of aerial reconnaissance photographic equipment; processing of reconnaissance photographic material, and construction of controlled and noncontrolled mosaics. These functions are included in specialties within the Operations (1XXX) or Logistics (2XXX) Career Areas. The following is a complete listing of AFSCs for the Communications and Information Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
COMMUNICATIONS-COMPUTER SYSTEMS	33S4 +33S3* +33S1*	Communications and Information A - Electrical Engineer B - Software Engineer C - Software Programmer/Analyst

Staff AFSC 33S4
Qualified AFSC 33S3*
Entry AFSC 33S1*

COMMUNICATIONS and INFORMATION
(Changed 30 Apr 98)

1. Specialty Summary. Manages communications-computer systems (CCS), information management (IM), and visual information (VI) functions and activities. Develops and implements plans for communications and information operations. Plans and coordinates use of resources, performs programming, and budgeting. Formulates plans and policies, and defines communications and information resource requirements. Plans, develops, and engineers architectures and standards. Prepares and manages in-service performance tests, evaluations, and maintenance standards. Implements and maintains software, firmware, and data bases. Develops long-range plans and broad policy relative to software and firmware technologies and their role in the Air Force (AF). Directs security programs. Develops and defines programs, policies, and processes using information, as a resource, throughout its life cycle. Supports force employment planning, execution, and combat assessment. Serves as advisor to commanders and officials in combined, Joint, and service agencies. Related DoD Occupational Group: 4C.

2. Duties and Responsibilities:
2.1. Plans for communications and information resources, and performs system requirements definition, funding, and acquisition. Identifies and analyzes resources needed for operations. Develops programming documents such as mission need statements, CCS requirements document, and inputs into the five year defense plan. Programs resources to meet VI requirements to support scientific laboratory testing, weapons effects studies, tactics evaluations, combat documentation, and operation of television facilities and systems. Conducts strategic planning. Develops and implements policies and plans for mission requirements. Uses process based methodologies to assess capability, establish priorities, and formulate plans and training processes. Chairs or participates in boards which perform technical review and evaluation of contractor proposals. Evaluates impact of legislative actions, executive orders, regulations, directives, and management decisions.
2.2. Manages and coordinates communications and information activities. Coordinates with system users to meet operational needs. Develops customer education programs. Develops and coordinates procedures for operation during system outages and degraded operations, or downtimes for maintenance. Reviews operations and maintenance data, evaluates systems, and projects future requirements. Plans for and implements support for war and contingency operations. Coordinates with other agencies to ensure effective communications and information planning, implementation, operation, logistics, support, and use of CCS. Advises commanders and staff on the status and capabilities of CCS. Develops VI products for readiness and training applications. Trains, equips, and leads camera teams, and acquires imagery for operational reporting, decision making, and historical record. Produces visual products, and manages processing and exploitation of armament delivery recording. Prepares post deployment visual reports and production services.
2.3. Manages CCS software development and maintenance. Manages software development effort through the life cycle. Translates system operational concepts, requirements, architectures, and designs into detailed engineering specifications and criteria. Prepares engineering plans for installing, modifying, and removing CCS facilities.
2.4. Directs CCS activities. Directs investigations and solution of electromagnetic interference problems, including electronic countermeasure problems and radiation hazards. Identifies and resolves problems involving sitting, installation, operation, maintenance, or modification of CCS. Evaluates system capabilities, and oversees operations, maintenance, and logistics support. Directs commercial contractor or vendor activities. Establishes and implements frequency management programs. Approves and directs upgrade and replacement of CCS resources.
2.5. Performs CCS engineering functions. Develops and engineers architectures. Participates in system equipment design. Provides engineering support to develop detailed hardware, software, and firmware design. Serves as technical representative to the contracting officer on specified contracts, and as technical consultant on CCS engineering matters.
2.6. Coordinates CCS engineering activities. Coordinates system matters with research and development, logistics, civil engineering, and other support agencies. Coordinates interpretations of requirements between system operations and maintenance agencies, and development and acquisition agencies. Maintains liaison between system operations and maintenance agencies, and research and development engineers to solve problems. Confers with agencies to ensure interface and inter-operability of systems.
2.7. Develops CCS software and firmware. Programs in machine, assembly, high order, special purpose, and retrieval languages. Modifies and maintains existing software and firmware. Documents and evaluates software and firmware. Responsible for cost, schedule, and performance of development effort. Sets objectives policy and plans to meet operational requirements. Develops CCS data communication techniques. Designs software interfaces with system circuits.
2.8. Implements software engineering discipline into AF software systems. Provides automated tools assessment to assist in managing software system development. Selects metrics to measure productivity in software development process and to

assess quality of software development process, design, and functionality is considered during requirements definition. Assesses post-operation deployment software support requirements.

2.9. Provides CCS security support. Designs and maintains software and firmware used to control and process classified or sensitive information. Provides analysis and documentation to support risk analysis, and secure software and firmware certification.

2.10. Maintains knowledge of current communications and information commercial practices. Maintains currency in commercial system developments. Advises users on alternative software and firmware support capabilities. Analyzes commercial system products. Maintains liaison with industry, lateral units, research and development activities, and other services and agencies. Evaluates contractor versus in-service support for operation, maintenance, and production of VI services.

2.11. Directs information life cycle management. Develops and implements policy and instructions to manage information, throughout its life cycle. Directs management of publications and forms programs, and preparation, coordination, and submission of correspondence, reports, and other administrative material. Manages information dissemination policies and services; mail and message processing; maintenance of master reference libraries; printing and duplicating; records retrieval, synthesis, imaging, storage, or disposition; distribution systems; liaison with local postal officials; and operation of consolidated mail rooms.

2.12. Manages staff support activities. Provides management services, including advisory assistance, to management and command. Coordinates collection, production, and presentation of information and specialized requirements of management. Implements, directs, and coordinates executive functions, services and activities. Represents the commander in interaction with other agencies.

2.13. Accomplishes VI tasks. Determines type and amount of visual information functions and media required. Writes and edits treatment outlines, scenarios, and scripts. Directs performance of staged actions. Directs operation of studio and mobile photographic and video recording systems. Selects visuals, music, narration, and special effects, and edits and integrates to produce completed visual information product. Operates or supervises operation of motion picture and television editing for continuity of theme presentation. Acquires imagery to support ongoing operations. Designs instrumented systems for photographic or electronic recording of engineering test activities. Conducts studies and evaluation tests of new equipment. Determines type of animation, graphics, special effects, and illustrative material for use in visual information productions.

2.14. Coordinates VI activities. Advises commanders and staffs on structure and capabilities of VI units and activities. Coordinates with, and establishes working agreements among government and commercial agencies concerning support, stock materials, equipment, procedures, and techniques. Coordinates with customers, and education and training personnel to formulate subject matter treatment for VI product. Coordinates contract activities for new systems, equipment, accessories, and materials.

3. Specialty Qualifications:

3.1. Knowledge. The following knowledge is mandatory for award of the AFSC indicated:

3.1.1. 33S3. AF communications and information organizations, policies, directives, capabilities, limitations, and technological trends; computer science, programming languages, and communications theory; role of communications and information in combat operations; contract monitoring and contractor performance; information security; AF requirements definition and acquisition process for communications and information; operations and maintenance management principles and procedures; local area networks; contingency planning; performance evaluation; communications and information architecture; planning, programming, and budgeting system policy and procedures, including budgeting principles; principles of business or public administration; analysis; project management; and still photographic, motion picture, and television process and operation, including documentation production and administrative procedures.

3.1.2. 33S3A/B. Electromagnetic waves; electronic devices; electronic computation; communications standards applicable to signaling and supervision of switching networks, signal levels, modulation techniques, and parameters, standards, and techniques for radar modulation, transmission reception, and signal processing; distributed network engineering practices; and software engineering principles including requirements analysis design methodologies, implementation, configuration management, quality assurance, verification and validation, technical review process, metrics, development and licensing contracts, testing analysis, technical software life cycle management with associated products.

3.1.3. 33S3C. AF communications and information project management techniques; analysis and design techniques; programming languages and techniques; firmware programming techniques; test and evaluation techniques; software security mechanism and risk analysis; data base construction, file management, access methods, and information theory; mathematical theory and application, numerical analysis, operations research techniques, and modeling and simulation; system sizing techniques, files and processing workload analysis techniques, and performance analysis methods; and data communication techniques, network theory, switching methods, line protocols, and error detection and correction.

3.2. Education. The following education is required for entry into the AFSC indicated:

3.2.1. 33S1. Undergraduate academic specialization is desirable in computer science; information resources management;

software engineering, mathematics, scientific, engineering, or business disciplines with computer science specialization; or in industrial or engineering management, physical science, or physics. Also, completion of 12 semester hours of information technology courses are desirable. Courses may include any college level math or engineering courses, courses related to computer technology or telecommunications, or information resource or technology management courses.

3.2.2. 33S1A. Undergraduate academic specialization in electrical engineering is mandatory.

3.2.3. 33S1B. Undergraduate academic specialization in software engineering, or computer science with 15 semester hours in software engineering courses is mandatory.

3.2.4. 33S1C. Undergraduate academic specialization is mandatory in computer science, computer technology, software engineering, mathematics, physics, or business administration with specialization in computer programming and technology. Academic specialization must include a minimum of 12 semester hours in computer science (6 hours of which must be in computer programming languages).

3.3. Training. The following training is mandatory for award of the AFSC indicated:

3.3.1. 33S3 (A/B/C). Completion of a basic communications-computer systems officer course.

3.3.2. 33S3B. Completion of AF Institute of Technology (AFIT) sponsored Software Professional Development Program (SPDP) is mandatory for upgrade to AFSC 33S3B.

3.4. Experience. For award of AFSC 33S3/S3X, a minimum of 18 months' experience in 33S3/S3X assignments is mandatory.

3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Electrical Engineer
B	Software Engineer
C	Software Programmer/Analyst

INTRODUCTION

SERVICES UTILIZATION FIELD (34MX)

The Services Utilization Field provides management and oversight of appropriated fund (APF) and nonappropriated fund (NAF) activities. Included are food service (dining halls and snack bars); transient housing (billeting and temporary lodging facilities); mortuary affairs (search and recovery, inspection of human remains, briefing next of kin, military honors, honor guard management, and personal property program); recreation activities (fitness centers, recreation centers, and arts and crafts centers); libraries; outdoor recreation activities; private organizations; business activities (golf courses, clubs, bowling centers, and logistic support centers); youth programs (child development and youth centers); membership clubs (rod and gun, and aero); NAF Human Resource Office; logistics; marketing; and other specialized programs and support staff functions. This field is also responsible for APF and NAF vehicle control; monitoring allocations received from the resource recycling and recovery program; pay telephone; leisure travel services; force management functions involving education, training, manpower, and human resource management; and command of services units.

Services personnel perform duties as the installation consumer affairs advocate for services provided by the Defense Commissary Agency (DeCA) and the Army and Air Force Exchange Service (AAFES). They provide liaison support to DeCA and AAFES unless directly assigned to a DeCA or AAFES activity; manage Prime Food and Readiness teams for DeCA to support subsistence and resale functions during contingencies; establish, maintain, and use automated information management systems such as Services Information Management System, Site Automation System, and NAF Management Information System; perform quality assurance functions when areas of responsibility are contracted; provide direction for overall human services by planning and carrying out surveys that indicate serviced population's interests and attitudes; and evaluate program needs by stimulating and maintaining interest and participation in hospitality and recreational activities.

The Services Utilization Field is a contingency-related field. Personnel serving in this field may participate in recovery operations as a result of natural or man-made disasters. They may also be subject to deployment and employment in hostile environments created by terrorism, sabotage, or chemical, biological, or conventional warfare. Personnel in this field establish, train, equip, and maintain in a ready status, specialized mobility teams that deploy to perform essential human services during wartime or other contingencies.

Excluded from this field are functions of APF contracting for services such as mortuary and disposition of excess or surplus APF property. These functions are included in the Acquisition Contracting/Manufacturing Utilization Field. Food service functions do not include hospital food service activities. The following is a complete listing of AFSCs for the Services Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
SERVICES	34M4 34M3 34M1	Services

INTRODUCTION

PUBLIC AFFAIRS UTILIZATION FIELD (35XX)

The Public Affairs Utilization Field encompasses functions of both the Public Affairs and Band specialties.

The Band specialty includes functions of program formulation, policy planning, inspection, command, and direction of band activities; supervisory and technical responsibilities for the procurement and training of personnel; band participation in military and quasi-military activities including parades, reviews, honor guards, and funerals; and training of and presentations by dance bands, radio and show bands, choral groups, and small instrumental ensembles made up of band personnel.

The Public Affairs specialty includes functions of policy planning, program formulating, operating, maintaining, monitoring, coordinating, and directing internal information, and media and community relations; supervisory and technical responsibility for collecting, organizing, and disseminating information to internal and public audiences; developing and preserving effective relations between the Air Force and the public; examining and appraising policies and programs of the Air Force; and advising commanders and staff officers on courses of action in terms of public interest. The following is a complete listing of AFSCs for the Public Affairs Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
PUBLIC AFFAIRS	35B4 35B3 35B1	Band
	35P4 35P3 35P1	Public Affairs

INTRODUCTION

MISSION SUPPORT UTILIZATION FIELD (36XX)

The Mission Support Utilization Field encompasses the functions of policy planning; program formulating; and operating, maintaining, monitoring, coordinating, and directing personnel and information management activities. Included in the field are immediate supervisory and technical responsibilities for base, off-duty and dependents' education programs; adequacy of personnel and information management facilities; military and civilian personnel recruitment, career guidance, classification, assignment, testing, promotion, demotion, transfer, effectiveness rating, awards and decorations, pay, recreation, discharge, retirement, and personal affairs guidance; and administration of the social actions program, and base information management activities. This field includes command opportunities. The following is a complete listing of AFSCs for the Mission Support Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
MISSION SUPPORT	36M3 36M1	Mission Support
	36P4 36P3 36P1	Personnel

INTRODUCTION

MANPOWER AND QUALITY UTILIZATION FIELD (38MX)
(Changed 30 Apr 97)

The Manpower and Quality Utilization Field encompasses the functions of policy planning; program formulating; and operating, monitoring, coordinating, and directing management engineering, quality and manpower activities. Included in this field are immediate supervisory and technical responsibilities for developing and maintaining manpower standards; programming resources to accommodate new and changing missions and workloads; activation and inactivation of units; developing, testing, and implementing organizational structures; participating in management of contractual services; applying computer technology; and providing management advisory services to effect the most efficient utilization of manpower resources. The following is a complete listing of AFSCs for the Manpower and Quality Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
MANPOWER AND QUALITY MANAGEMENT	38M4 38M3 38M1	Manpower and Quality Management

Attachment 8

MEDICAL CAREER AREA (4XXX)

Introduction

The Medical Career Area encompasses program formulation, policy planning, coordination, inspection, command and direction, and immediate supervisory and technical responsibilities pertinent to the Health Services Management, Biomedical Clinicians, Biomedical Specialists, Medicine, Surgery, Nurse, Dental, and Aerospace Medicine Utilization Fields.

MEDICAL	
40C0*	Medical Commander A - Medical Services B - Biomedical Sciences C - Medical D - Dental E - Nurse
Health Services	
41AX	Health Services Administrator
Biomedical Clinician	
42BX	Physical Therapist
42EX	Optometrist
42FX	Podiatrist
42GX	Physician Assistant
42NX	Audiology/Speech Pathologist
42PX	Clinical Psychologist
42SX	Clinical Social Worker
42TX	Occupational Therapist
Biomedical Specialist	
43AX	Aerospace Physiologist
43BX	Biomedical Scientist
43DX	Dietitian
43EX	Bioenvironmental Engineer
43HX	Public Health
43MX	Medical Entomologist
43PX	Pharmacist
43TX	Biomedical Laboratory
43VX	Veterinary Clinician
43YX	Health Physicist
Medicine	
44AX	Chief, Hospital/Clinic Services
44DX	Pathologist
44EX	Emergency Services Physician
44FX	Family Physician
44GX	General Practice Physician
44JX	Clinical Geneticist
44HX	Nuclear Medicine Physician
44KX	Pediatrician
44MX	Internist
44NX	Neurologist
44PX	Psychiatrist
44RX	Diagnostic Radiologist
44SX	Dermatologist
44TX	Radiotherapist
44YX	Critical Care Medicine
44ZX	Allergist
Surgery	

45AX	Anesthesiologist
45BX	Orthopedic Surgeon
45EX	Ophthalmologist
45GX	OB/GYN
45NX	Otorhinolaryngologist
45PX	Physical Medicine Physician
45SX	Surgeon
45UX	Urologist
Nurse	
46AX	Nurse Administrator
46FX	Flight Nurse
46GX	Nurse-Midwife
46MX	Nurse Anesthetist
46NX	Clinical Nurse
46PX	Mental Health Nurse
46SX	Operating Room Nurse
Dental	
47BX	Orthodontist
47DX	Oral and Maxillofacial Pathologist
47EX	Endodontist
47GX	Dentist
47HX	Periodontist
47KX	Pediatric Dentist
47PX	Prosthodontist
47SX	Oral Surgeon
Aerospace Medicine	
48AX	Aerospace Medicine Specialist
48EX	Occupational Medicine Specialist
48FX	Family Practice Specialist
48GX	Aerospace Medicine Physician

INTRODUCTION

HEALTH SERVICES UTILIZATION FIELD (41AX)

The Health Services Utilization Field encompasses command, administrative, logistics, and education functions supporting the provision of health care to authorized beneficiaries. This includes planning, programming, and operations related to the following activities: Medical facility command; medical facility administration; medical materiel and services management; medical resource management; patient affairs management; war and emergency planning; aeromedical evacuation; medical recruiting; medical facility repair, modification, and construction; biometrics; health systems design; data systems design; medical research administration; and health services training and education. The following is a complete listing of AFSCs for the Health Services Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
HEALTH SERVICES ADMINISTRATOR	41A4 41A3 41A1	Health Services Administrator

INTRODUCTION

BIOMEDICAL CLINICIAN UTILIZATION FIELD (42XX)

The Biomedical Clinician Utilization Field encompasses the functions of physical and occupational therapy, clinical psychology and social work, optometry, podiatry, physician assistance, audiology, and speech pathology in support of and as an integral part of the medical career area and medical services. The following is a complete listing of AFSCs for the Biomedical Clinician Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
BIOMEDICAL CLINICIAN	42B4 42B3 42B1	Physical Therapist
	42E4 42E3 42E1	Optometrist
	42F4 42F3 42F1	Podiatrist
	+42G4* +42G3* +42G1*	Physician Assistant A - Orthopedics C - General Surgery B - Otolaryngology D - Perfusionist
	42N4* 42N3* 42N1*	Audiology/Speech Pathologist A - Audiologist B - Speech
	+42P4* +42P3* +42P1*	Clinical Psychologist A - Clinical Neuropsychologist B - Health Psychologist C - Child and Adolescent Psychologist D - Aviation Psychologist
	42S4 42S3 42S1	Clinical Social Worker
	42T4 42T3 42T1	Occupational Therapist

Staff AFSC 42P4*
Qualified AFSC 42P3*
Entry AFSC 42P1*

CLINICAL PSYCHOLOGIST
(Changed 30 Apr 98)

1. Specialty Summary. Applies psychological principles and techniques to problems of human effectiveness, maladjustment, and psychological disturbances. Evaluates, diagnoses, and treats psychological and neuropsychological disorders. Teaches, supervises, and directs clinical psychology and related mental health programs. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Administers clinical psychology programs. Plans, organizes, and directs clinical psychology service or department. Supervises mental health personnel, and recommends policies pertaining to their training and management. Implements mental health programs through consulting with other agencies on such problems as individual and group effectiveness, interpersonal relations, psycho pathology, and maladaptive behavior.
2.2. Performs mental health evaluations and therapy. Applies and supervises application of psychological procedures and techniques in evaluating, diagnosing, and treating psychological and neuropsychological disorders. Provides individual and group therapy, behavior modification paradigms, and biofeedback procedures in treating psychological disorders, and in assisting individuals to achieve more effective personal and interpersonal adjustment.
2.3. Performs research and training. Plans and conducts clinical psychological research. Determines methods to be used in investigation, assessment, diagnosis, and treatment of mental health problems. Provides education and training in psychological theory, diagnostic techniques, treatment modalities, and related mental health programs to psychologists, allied disciplines, and personnel in medical, educational, managerial, social, and community programs.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of psychological theories, principles, and techniques.
3.2. Education. The following experience is mandatory as indicated:
3.2.1. For entry into this specialty, completion of all requirements (except dissertation or clinical internship or both) for award of a doctorate in clinical psychology or equivalent doctorate in psychology for entry into this AFSC.
3.2.2. For award of AFSC 42P3, a doctorate in clinical psychology, or equivalent, plus a clinical internship acceptable to the Surgeon General, HQ USAF.
3.2.3. For award of AFSC 42P3A, a doctorate plus 2 year post-doctoral training in a neuropsychology fellowship training program acceptable to the Air Force Surgeon General, or 3 years' experience in a setting where primary duty was in neuropsychology.
3.2.4. For award of AFSC 42P3B, a doctorate plus 1 year post-doctoral training in a health psychology fellowship training program acceptable to the Air Force Surgeon General, or 3 years' experience acceptable to the Air Force Surgeon General in a setting where the primary duty was in health psychology.
3.2.5. For award of AFSC 42P3C, a doctorate plus 1 year post-doctoral training in a child and adolescent psychology or a pediatric psychology fellowship training program acceptable to the Air Force Surgeon General, or 3 years' experience acceptable to the Air Force Surgeon General in a setting where the primary duty was in child and adolescent and/or pediatric psychology.
3.2.6. For award of AFSC 42P3D, a doctorate plus 1 year post-doctoral training in an aviation psychology fellowship training program acceptable to the Air Force Surgeon General, or 3 years' experience acceptable to the Air Force Surgeon General in a setting where the primary duty was in aviation psychology.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 42P3, a minimum of 24 months' experience is mandatory in clinical psychology assignments. Completion of the Air Force Internship Program in clinical psychology may be substituted for 12 months of the experience requirement.
3.5. Other. The following are mandatory as indicated:
3.5.1. For award and retention of AFSC 42P3/P3X, a valid and current license to practice clinical or counseling psychology.
3.5.2. For award of AFSC 42P3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Clinical Neuropsychologist. Performs and supervises neuropsychological evaluations, conducts research, and provides education and training in the field of neuropsychology.
B	Health Psychologist. Performs and supervises health psychology evaluations, conducts research, and provides education and training in the field of health psychology.
C	Child and Adolescent Psychologist. Performs and supervises child, adolescent, and pediatric psychology evaluations, conducts research, and provides education and training in the field of child, adolescent, and pediatric psychology.
D	Aviation Psychologist. Performs and supervises aviation psychology evaluations, conducts research, and provides education and training in the field of aviation psychology.

Attachment 8

INTRODUCTION

BIOMEDICAL SPECIALISTS UTILIZATION FIELD (43XX)

The Biomedical Specialists Utilization Field includes the functions of scientists, engineers, veterinarians, dietary, public health, entomology, pharmacists, laboratories, and health physicists professions to support, and as an integral part of the Medical Service.

Duty titles used with biomedical shredouts may include the shredout title, where appropriate; for example, Audiologist.
The following is a complete listing of AFSCs for the Biomedical Specialists Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
BIOMEDICAL SPECIALISTS	43A4 43A3 43A1	Aerospace Physiologists
	+43B4* +43B3* +43B1*	Biomedical Scientist A - Chiropractor
	43D4 43D3 43D1	Dietitian
	+43E4* +43E3* +43E1*	Bioenvironmental Engineer A - General B - Industrial Hygiene C - Medical Construction D - Environmental E - Architecture F - Biomedical G - Bioenvironmental/ Health Physics
	43H4 43H3 43H1	Public Health
	43M4 43M3 43M1	Medical Entomologist
	43P4 43P3 43P1	Pharmacist
	43T4* 43T3* 43T1*	Biomedical Laboratory A - Biomedical Laboratory Science B - Microbiology C - Clinical Chemistry D - Environmental & Industrial Hygiene Chemistry E - Blood Bank F - Toxicologist G - Other H - Hematology
	43V4* 43V3* 43V1*	Veterinary Clinician E - Laboratory Animal
	+43Y4* +43Y3* +43Y1*	Health Physicist A - Medical

Staff AFSC 43T4*
Qualified AFSC 43T3*
Entry AFSC 43T1*

BIOMEDICAL LABORATORY
(Changed 30 Apr 98)

1. Specialty Summary. Manages, directs, supervises, and performs analyses of biologic and related materials in hospital, environmental, occupational, epidemiological, toxicological, or research and development laboratories; and teaches medical laboratory sciences. Related DoD Occupational Group: 6H.

2. Duties and Responsibilities:
2.1. Directs and supervises laboratory services. Serves as Chief of Laboratory Services or as Chief of one or more areas of Laboratory Services. Supervises the management of reference data for members of the medical provider staff. Maintains records and reports on laboratory operations necessary to provide workload accountability. Serves on professional, technical, consultant, and advisory committees to improve working relationships with other staff members and to communicate with biomedical laboratory officers and members of other specialties within the USAF Medical Service. Participates in meetings of professional societies and symposia and disseminates information obtained to other biomedical science personnel.
2.2. Conducts scientific analyses. Performs and supervises analyses in one or more areas of biomedical laboratory disciplines including clinical chemistry, environmental and industrial hygiene, chemistry, toxicology, microbiology, hematology, coagulation, serology, immunology, blood banking, immunohematology and virology.
2.3. Performs specialized duties. Manages and performs the development, evaluation, and application of new, modified, and improved procedures, techniques, and equipment for updating the laboratory services, including data automation and reporting. Responsible for correcting any analytic technical problems within the laboratory. Maintains surveillance of scientific literature, and recognizes need for applying new or improved techniques and procedures. Consults with other medical staff members to determine their requirements for effective patient care. Stays abreast of current Air Force requirements and developments through consultations and meetings with Air Force biomedical laboratory officers and other members of the Air Force Medical Service.
2.4. Performs teaching duties. Teaches and instructs medical and related personnel in both technical and interpretive aspects for a variety of laboratory sciences.
2.5. Establishes and maintains a program of quality control commensurate with specified Air Force regulations and requirements set forth by select national accrediting agencies. Establishes and maintains the proper use of calibration standards, reference samples, and quality control charts. Applies standard statistical methods to daily laboratory results, and ensures that results are reported only when they conform to predetermined statistical limits and criteria. Participates in recognized proficiency surveys.
2.6. Ensures equipment, apparatus, and other instruments are in correct operating condition. Ensures instruments requiring calibration or other standardization are calibrated and standardized. Ensures faulty equipment, instruments, and apparatus are repaired or replaced. Updates present equipment.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of one or more areas of specialization within the field of biomedical laboratory science.
3.2. Education. The following education is required as indicated:
3.2.1. For entry in AFSC 43T1A, it is mandatory to possess a baccalaureate degree in medical technology or equivalent from an institution acceptable to the Surgeon General, HQ USAF.
3.2.2. For entry into AFSCs 43T1B/C/D/E/F/G/H, a master's degree is mandatory in the area of specialization identified by the suffix.
3.3. Training. For award of AFSC 43T3A, completion of the USAF Medical Technology Internship or equivalent program acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. For award of AFSC 43T3X, a minimum of 24 months' experience is mandatory in biomedical laboratory assignments.
3.5. Other. For award of AFSC 43T1A, current certification by either the American Society of Clinical Pathologists as a Medical Technologist or the National Certifying Agency for Medical Laboratory Personnel as a Clinical Laboratory Scientist is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFSC to Which Related*
A	**Biomedical Laboratory Science.** Performs and supervises work in any recognized area of clinical laboratory.
B	**Microbiology.** Performs and supervises microbiology examinations in the medical laboratories. Master's degree in microbiology/ bacteriology or clinical pathology specializing in microbiology is mandatory.
C	**Clinical Chemistry.** Performs and supervises chemical analyses in medical laboratories. Master's degree in chemistry (including 1 year of biochemistry or clinical chemistry) or clinical pathology specializing in chemistry is mandatory.
D	**Environmental and Industrial Hygiene Chemistry.** Performs and supervises chemical and other evaluations for the environmental and occupational settings. A master's degree in one of the following scientific disciplines or equivalent experience acceptable to the Surgeon General, HQ USAF, is mandatory: Industrial Hygiene Chemistry, Inorganic Chemistry, Organic Chemistry, or Chemical Toxicology.
E	**Blood Bank.** Performs and supervises blood bank activities, including collecting, processing, and issuing blood and blood components. Master's degree in immunohematology, clinical pathology specializing in immunohematology, medical technology, or equivalent experience acceptable to the Surgeon General, HQ USAF, is mandatory.
F	**Toxicologist.** Performs and supervises chemical and other evaluations in determining and estimating harmful effect of exposure to environmental, occupational, chemical and materials. Master's degree in Toxicology is desirable.
G	**Other.** Performs and supervises areas in clinical, research and development, epidemiological, or environmental health laboratories not covered by other suffixes. Master's degree in a biomedical science is mandatory.
H	**Hematology.** Performs and supervises hematology and hemostasis analysis in medical laboratories. A Master's degree in hematology, clinical pathology specializing in hematology, medical technology, or equivalent experience acceptable to the Surgeon General, HQ USAF, is mandatory.

Staff AFSC 43V4*
Qualified AFSC 43V3*
Entry AFSC 43V1*

VETERINARY CLINICIAN
(Changed 30 Apr 98)

1. Specialty Summary. Directs and participates in veterinary clinical support of government-owned animals, or in research and research support activities in veterinary or comparative medicine. Related DoD Occupational Group: 6G.

2. Duties and Responsibilities:
2.1. Manages and directs programs applying the clinical specialties. Manages independent and collaborative research or other applications of the relevant clinical specialty with programs using animals. Conducts research in zoonosis to learn their incidence and prevent their spread to humans and other animals. Directs personnel engaged in husbandry, care, and treatment of animals addressed by the specialty and those engaged in animal research projects. Prevents and controls zoonotic diseases through disease diagnosis, treatment, and immunization of animals.
2.2. Provides consultation and professional service. Provides professional service in the veterinary clinical specialties. Furnishes consultation and advice pertaining to procurement, preparation, and use of military dogs, laboratory animals, and other government-owned animals. Prepares written specifications for purchase of animals and supporting items. Conducts inspections of newly acquired animals and supporting items.
2.3. Instructs personnel. Provides consultation and instruction to scientific investigators, other users of government-owned animals, and animal technicians in areas peculiar to the specialty that enhance the care and use of the animals.

3. Specialty Qualifications:
3.1. Knowledge. Knowledge is mandatory of: clinical and laboratory diagnostic procedures; current therapeutic techniques; and prominent research activities appropriate to the specialty.
3.2. Education. The following education is mandatory as indicated:
3.2.1. For entry into this specialty, a Doctor of veterinary medicine degree from a college recognized by the Surgeon General, HQ USAF.
3.2.2. For award of AFSC 43V3X, an advanced degree in clinical specialty; or certification by the American college of Laboratory Animal Medicine, Veterinary Internal Medicine, Veterinary Ophthalmologist, Veterinary Pathologist, Veterinary Radiology, Veterinary Surgeons, or American Board of Veterinary Practitioners.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 43V3X, a minimum of 24 months' experience in veterinary clinician assignments is mandatory. Completion of residency training satisfies experience requirement.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
E	Laboratory Animal

INTRODUCTION

PHYSICIAN UTILIZATION FIELD (44XX)

The Physician Utilization Field covers the functions of program formulation, policy planning, direction, and professional participation pertinent to maintenance and improvement of health standards. Included in this field are immediate supervisory and technical responsibilities for the prevention, diagnosis, and treatment of physical and mental diseases, disorders, and injuries, involving clinical application of, and research in, such specialized fields of medicine as dermatology, aerospace medicine, psychiatry, radiology, pediatrics, gastroenterology, other phases of surgery, and preventive medicine. This field also includes responsibilities for the development of plans and procedures covering the medical aspects of defense against nuclear, biological, and chemical warfare. Officers in this field command medical installations, units, or activities as stated in AFI 51-604, *Appointment to, and Assumption of Command.*

Excluded from this utilization field are those functions necessary to support or supplement professional medical care and treatment of patients and which do not require the degree of Doctor of Medicine. These are included in the Dental, Veterinary, Biomedical Sciences, Nurse and Health Services Management Utilization Fields.

Medical officers, immediately upon entering Air Force sponsored residencies, will be awarded the appropriate AFSC for the specialized field of medicine in which they are training.

All other medical officers who have had professional practice or have received intensive formal training in one of the specialized fields of medicine will be assigned the appropriate AFSC on attaining the standards established for that AFSC.

Special Experience Identifiers for the Physician Utilization Field will be designated only after approval of Headquarters Air Force Military Personnel Center, Surgeon. The following is a complete listing of AFSCs for the Physician Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
PHYSICIAN	44A3 44A1	Chief, Hospital/Clinic Services
	+44D4* +44D3* +44D1*	Pathologist A - Hematology F - Pediatric B - Cytology G - Transfusion Medicine C - Gynecology H - Microbiology D - Forensic K - Dermatology E - Neuropathology
	+44E4* +44E3* +44E1*	Emergency Services Physician A - Emergency Medicine Specialist
	44F4 44F3 44F1	Family Physician
	44G4 44G3 44G1	General Practice Physician
	44H4 44H3 44H1	Nuclear Medicine Physician
	44J4 44J3 44J1	Clinical Geneticist
	+44K4* +44K3* +44K1*	Pediatrician A - Adolescent Medicine G - Hematology B - Cardiology H - Neurology C - Developmental Pediatrics J - Pulmonology D - Endocrinology K - Infectious Diseases E - Neonatology M - Nephrology F - Gastroenterology

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
PHYSICIAN (Continued)	+44M4* +44M3* +44M1*	Internist A - Oncology B - Cardiology C - Endocrinology D - Gastroenterology E - Hematology F - Rheumatology G - Pulmonary Diseases H - Infectious Diseases J - Nephrology
	44N4 44N3 44N1	Neurologist
	+44P4* +44P3* +44P1*	Psychiatrist A - Child Psychiatry B - Forensic Psychiatry
	+44R4* +44R3* +44R1*	Diagnostic Radiologist A - Neuroradiology B - Special Procedures C - Pediatric D - Nuclear Medicine E - Musculoskeletal
	+44S4* +44S3* +44S1*	Dermatologist A - Dermatologic Surgery B - Dermatopathology
	44T4 44T3 44T1	Radiotherapist
	+44Y4* +44Y3* +44Y1*	Critical Care Medicine A - Pediatrics
	44Z4 44Z3 44Z1	Allergist

Staff AFSC 44D4*
Qualified AFSC 44D3*
Entry AFSC 44D1*

PATHOLOGIST
(Changed 30 Apr 98)

1. Specialty Summary. Diagnoses diseases by performing pathological examinations of body tissue; manages clinical laboratory services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Diagnoses diseases by performing necropsies and pathological examination of body tissues. Analyzes case histories. Prepares tissues for microscopic examination. Diagnoses nature and source of pathological conditions causing illness and death. Interprets and correlates findings. Prepares diagnostic reports.
2.2. Manages clinical laboratory services. Formulates plans and procedures for clinical laboratory services. Schedules and assigns medical technicians in clinical pathological procedures related to such subjects as hematology, bacteriology, serology, biochemistry, and parasitology. Directs medical officers and technicians in performing such anatomical pathological examinations as biopsies and necropsies involving preparation of tissue for microscopic analysis. Evaluates such laboratory functions as chemical analysis of body fluids and production of antigens and sera. Advises on kind and quantity of medical laboratory supplies and equipment. Coordinates clinical laboratory services with other medical activities. Instructs interns and residents in pathological and clinical pathological laboratory reports. Directs preparation of pathological diagnostic records. Serves as consultant on tissue and clinical pathology.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44D3, completion of a residency or fellowship in pathology acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 44D3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Hematology
B	Cytology
C	Gynecology
D	Forensic
E	Neuropathology
F	Pediatric
G	Transfusion Medicine
H	Microbiology
K	Dermatology

Staff AFSC 44P4*
Qualified AFSC 44P3*
Entry AFSC 44P1*

PSYCHIATRIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines, evaluates, diagnoses, and treats psychiatric disorders; manages and directs psychiatric services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, evaluates, diagnoses, and treats psychiatric disorders. Prepares and reviews case histories and obtains and evaluates data through interview techniques. Diagnoses psychiatric disorders. Prescribes and evaluates effectiveness of a wide range of therapeutic measures. Recommends disposition of psychiatric cases.
2.2. Manages and directs psychiatric services. Formulates plans for psychiatric services. Directs mental health clinics. Advises on problems related to mental health and prevention of mental disorders. Serves as medical and psychiatric consultant to clinical psychologists and clinical social workers. Assigns psychiatric nurses and technicians to functions contributing to the diagnosis and treatment of patients. Advises on kind and quantity of psychiatric supplies and equipment. Coordinates psychiatric services with other medical activities. Instructs interns and residents in psychiatric principles and procedures. Serves as consultant on psychiatry.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 44P3, completion of residency or fellowship in psychiatry acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 44P3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Child Psychiatry
B	Forensic Psychiatry

INTRODUCTION

SURGERY UTILIZATION FIELD (45XX)

The Surgery Utilization Field covers the functions of program formulation, policy planning, direction, and professional participation pertinent to maintenance and improvement of health standards and aerospace medicine. Included in this field are the areas of anesthesiology, orthopedic, ophthalmology, obstetrics and gynecology, otorhinolaryngology, physical medicine, surgery, and urology. Officers in this field command medical installations, units, or activities as stated in AFR 51-604, *Appointments to, and Assumption of, Command*. The following is a complete listing of AFSCs for the Surgery Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
SURGERY	45A4 45A3 45A1	Anesthesiologist
	+45B4* +45B3* +45B1*	Orthopedic Surgeon A - Hand Surgery B - Pediatrics C - Biomechanical D - Sports Medicine E - Spine Surgery F - Oncology G - Replacement Arthroplasty H - Traumatology
	+45E4* +45E3* +45E1*	Ophthalmologist A - Oculoplastics B - Cornea/External Disease C - Glaucoma D - Neuro-ophthalmology E - Pathology F - Strabismus/Pediatrics G - Vitreous/Retina
	+45G4* +45G3* +45G1*	Obstetrician and Gynecologist A - Endocrinology B - Oncology C - Pathology D - Maternal-Fetal Medicine E - Urogynecology/Pelvic Reconstructive Surgery
	45N4 45N3 45N1	Otorhinolaryngologist
	45P4 45P3 45P1	Physical Medicine Physician
	+45S4* +45S3* +45S1*	Surgeon A - Thoracic B - Colon and Rectal C - Cardiac D - Pediatric E - Peripheral Vascular F - Neurological G - Plastic H - Oncology J - Multiorgan Transplant
	+45U4* +45U3* +45U1*	Urologist A - Pediatrics B - Oncology

Staff AFSC 45B4*
Qualified AFSC 45B3*
Entry AFSC 45B1*

ORTHOPEDIC SURGEON
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats diseases and injuries of musculoskeletal system by surgical and conservative means. Manages orthopedic surgery services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases and injuries of musculoskeletal system by surgical and conservative means and application of corrective mechanical devices. Prepares and reviews case histories and obtains data through interviews. Examines patients and determines x-ray examinations and clinical laboratory tests required. Interprets test results and evaluates examination findings. Determines procedures for preoperative and postoperative care such as administering sedatives, prescribing diets, and preparing operative area of patients. Applies surgical procedures and coordinates operation with anesthesiologist. Reduces and immobilizes fractures by open or closed methods, using such corrective devices as braces, casts, and splints. Administers and prescribes such conservative measures of treatment as antibiotics, drugs, and compresses. Treats patients suffering from surgical shock, postoperative hemorrhage, and other complications.
2.2. Manages orthopedic surgery services. Formulates plans and procedures for orthopedic surgery services. Schedules operations and assigns surgeons, nurses, and medical technicians. Directs nurses in procedures for preoperative and postoperative care and operating room techniques. Advises on kind and quantity of orthopedic supplies and equipment. Coordinates orthopedic surgery services with other medical activities. Instructs interns and residents in orthopedic surgery procedures. Serves as consultant on orthopedics.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not Used.
3.4. Experience. For award of AFSC 45B3, completion of a residency or fellowship in orthopedic surgery acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 45B3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Hand Surgery
B	Pediatrics
C	Biomechanical
D	Sports Medicine
E	Spine Surgery
F	Oncology
G	Replacement Arthroplasty
H	Traumatology

Staff AFSC 45U4*

Qualified AFSC 45U3*
Entry AFSC 45U1*

UROLOGIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats, by surgical and conservative means, injuries and disorders of the genitourinary tract. Manages urological surgery services. Related DoD Occupational Group: 6A.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats, by surgical means, injuries and disorders of the genitourinary tract. Prepares and reviews case histories and obtains data through interviews. Examines patients and determines x-ray examinations and laboratory tests required. Interprets test results and evaluates examination findings. Directs nurses in procedures for preoperative and postoperative care such as administering sedatives, prescribing diets, and preparing operative area of patient. Applies surgical procedures and coordinates operation with the anesthesiologist. Administers and prescribes such conservative measures of treatment as antibiotics, drugs, and compresses. Treats patients suffering from surgical shock, postoperative hemorrhages, and other complications.
2.2. Manages urological surgery services. Formulates plans and procedures for urological service. Schedules operations and assigns surgeons, nurses, and medical technicians. Advises on kind and quality of urological surgery services with other medical activities. Instructs interns and residents in urological surgery procedures. Serves as consultant on urology.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education requirement satisfies this requirement.
3.2. Education. For entry into this specialty, a doctor of medicine degree or a doctor of osteopathy degree from an approved school of medicine or osteopathy is mandatory.
3.3. Training. Not used.
3.4. Experience. For award of AFSC 45U3, completion of a residency or fellowship in urology acceptable to the Surgeon General, HQ USAF, is mandatory.
3.5. Other. For award of AFSC 45U3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Pediatrics
B	Oncology

INTRODUCTION

NURSE UTILIZATION FIELD (46XX)

The Nurse Utilization Field encompasses the functions of planning, organizing, controlling, coordinating, executing, and evaluating nursing activities. This includes providing direct care for patients; supervising auxiliary nursing service personnel; participating in education and training activities; and research for the improvement of patient care. The field also includes participation in administering anesthetics; assisting with surgical procedures; flight nursing activities; environmental health nursing activities; nurse-midwifery; and other expanded roles in providing care of obstetrics-gynecology, pediatric or other patients in an ambulatory setting.

AFSC 46F1 or AFSC 46F3 may be awarded as duty AFSC, but on completion of flying duties will be retained as a second or third AFSC. The following is a complete listing of AFSCs for the Nurse Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
NURSE	46A4 46A3 46A1	Nursing Administrator
	46F4 46F3 46F1	Flight Nurse
	46G4 46G3 46G1	Nurse-Midwife
	46M4 46M3 46M1	Nurse Anesthetist
	+46N4* +46N3* +46N1*	Clinical Nurse A - Women's Health Care Nurse Practitioner B - Pediatric Nurse Practitioner C - Adult/Primary Care Nurse Practitioner D - Staff Development E - Critical Care F - Neonatal Intensive Care G - Obstetrical H - Family Nurse Practitioner
	+46P4* +46P3* +46P1*	Mental Health Nurse A - Mental Health Nurse Specialist
	46S4 46S3 46S1	Operating Room Nurse

INTRODUCTION

DENTAL UTILIZATION FIELD (47XX)

The Dental Utilization Field encompasses functions of program formulation, policy planning, and direction of professional dental services to ensure comprehensive programs to continuously improve prevention and treatment of dental disease to ensure maximum personnel wartime readiness and combat capability. This field includes general dentistry, oral surgery, clinics and laboratories, conducting dental investigations, providing professional aspects of postgraduate courses and graduate training, and supervisory responsibilities. The following is a complete listing of AFSCs for the Dental Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
DENTAL	47B4 47B3 47B1	Orthodontist
	47D4 47D3 47D1	Oral and Maxillofacial Pathologist
	47E4 47E3 47E1	Endodontist
	+47G4* +47G3* +47G1*	Dentist A - Comprehensive E - Dental Materials Sciences B - Advanced Clinical F - Oral & Maxi Radiology C - General Clinical G - Temporomandibular Disorders D - Public Health H - Hospital Dentistry
	47H4 47H3 47H1	Periodontist
	47K4 47K3 47K1	Pediatric Dentist
	47P4 47P3 47P1	Prosthodontist A - Maxillofacial Prosthetics B - Area Dental Laboratory C - Dental Materials
	47S4 47S3 47S1	Oral and Maxillofacial Surgeon A - Temporomandibular Joint B - Facial Esthetics C - Maxillofacial Reconstruction

Staff AFSC 47B4
Qualified AFSC 47B3
Entry AFSC 47B1

ORTHODONTIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats irregularities and malocclusions of teeth and malrelations of jaws. Directs orthodontic service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats irregularities, and malocclusion of teeth and malrelation of jaws. Examines patients and interprets and evaluates radiographs, models, and clinical photographs to determine nature and extent of deficiencies caused by irregularly positioned teeth and malrelations of the jaws. Evaluates findings and determines types of appliances to move and guide teeth and jaws into proper positions and relationships. Provides consultation services.
2.2. Directs orthodontic service. Formulates and implements procedures for operation of orthodontic service. Determines equipment, material, and personnel required for performance of treatment and construction of corrective appliances. Coordinates orthodontic service with other dental and medical services. Prepares diagnostic and treatment records. Instructs dental officers and technical assistants in orthodontic procedures and techniques.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and training requirement satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47B3, completion of a residency in orthodontics, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. Not used.

Attachment 8

Staff AFSC 47D4
Qualified AFSC 47D3
Entry AFSC 47D1

ORAL AND MAXILLOFACIAL PATHOLOGIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines and diagnoses pathologic conditions of the oral and paraoral tissues and structures. Directs oral and maxillofacial pathology service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Determines nature and extent of oral diseases and abnormal growths. Conducts gross and microscopic examinations of oral, maxillofacial and paraoral tissues and structures. Determines types of tests or examinations and evaluates results to diagnose the nature and progress of diseases. Provides consultation services. Serves as member of local hospital boards and committees appropriate to specialty.
2.2. Directs oral and maxillofacial pathology service. Formulates and implements procedures for operation of oral and maxillofacial pathology service. Determines equipment, material, and personnel required to accomplish diagnostic tests and examination. Plans work schedules for laboratory personnel. Coordinates oral and maxillofacial pathology service with other dental and medical services. Instructs dental officers and laboratory personnel in oral and maxillofacial pathology procedures and techniques.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and training requirement satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47D3, completion of a residency in oral and maxillofacial pathology, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. Not used.

Staff AFSC 47E4
Qualified AFSC 47E3
Entry AFSC 47E1

ENDODONTIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats diseases and destructive processes, including injuries and abnormalities of dental pulps and periapical tissues of teeth. Directs endodontic services. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases of dental pulps and periapical tissues of teeth. Examines patients and interprets radiographs and pulp tests to determine pulp vitality and periapical tissue condition. Evaluates findings and prescribes method of treatment to prevent loss of teeth and to restore teeth to function. Performs pulpal therapy, surgical treatment of radicular areas, and removal of pathologic periapical tissue. Provides consultation services.
2.2. Directs endodontic service. Formulates and implements procedures governing administration of endodontic service. Plans and schedules endodontists and technical assistants to perform endodontic treatment. Coordinates endodontic services with other dental and medical services. Instructs dental officers and technical assistants in endodontic procedures and techniques.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and training requirement satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47E3, completion of a residency in endodontics, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. Not used.

Staff AFSC 47G4*
Qualified AFSC 47G3*
Entry AFSC 47G1*

DENTIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats diseases, abnormalities, injuries, and dysfunctional disorders of the oral cavity and its associated structures. Administers dental service policy, including establishing and maintaining dental health standards. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses and treats disease, abnormalities, injuries and dysfunctional disorders of the oral cavity and its associated structures. Examines patients and interprets radiographs and diagnostic tests to determine type and extent of dental diseases and disabilities or dysfunctions. Evaluates findings and prescribes type, extent, and order of treatment. Refers nondental problems to appropriate medical specialty. Restores health and function of carious, fractured, otherwise defective teeth. Performs routine preventive, periodontal, oral surgery, endodontic, and prosthodontic treatment. Provides consultation services.
2.2. Directs dental activities. Formulates and implements procedures for operation of base dental service. Determines requirements for material, equipment, facilities, and personnel to accomplish mission of unit. Coordinates dental activities with medical service. Instructs dental officers and technical assistant in professional and administrative functions of dental service.
2.3. Performs comprehensive dental functions. Performs complex dental treatment procedures in the absence of specialist. May serve as training director or instructor for general dentistry residency programs.
2.4. Manages and administers dental service policies and programs. Drafts policies covering dental health standards. Provides guidance for the implementation of comprehensive programs to continuously improve prevention and treatment of dental disease to ensure maximum personnel wartime readiness and combat capability. Determines resource requirements for dental clinics and laboratories.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of education and training requirement satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. The following training is mandatory as indicated:
3.3.1. For award of AFSC 47G3, fulfillment of the education requirement satisfies this requirement.
3.3.2. For award of AFSC 47G3A, completion of a minimum of a 2 year residency in general dentistry, acceptable to the Surgeon General, HQ USAF.
3.3.3. For award of AFSC 47G3B, completion of the USAF Advanced Clinical Dentistry Program.
3.3.4. For award of AFSC 47G3C, completion of the USAF Advanced Education in General Dentistry (AEGD) residency program or equivalent acceptable to the Surgeon General, HQ USAF.
3.3.5. For award of AFSC 47G3D, completion of a 2 year residency in dental public health.
3.3.6. For award of AFSC 47G3E, completion of a dental materials residency/fellowship, acceptable to the Surgeon General, HQ USAF.
3.3.7. For award of AFSC 47G3F, completion of an oral and maxillofacial radiology residency/fellowship, acceptable to the Surgeon General, HQ USAF.
3.3.8. For award of AFSC 47G3G, completion of a temporomandibular disorders residency/fellowship, acceptable to the Surgeon General, HQ USAF.
3.3.9. For award of AFSC 47G3H, completion of a hospital dentistry residency/fellowship, acceptable to the Surgeon General, HQ USAF.
3.4. Experience. Not used.
3.5. Other. Not used.

4. *Specialty Shredouts:

Suffix	*Portion of AFS to Which Related*
A	Comprehensive
B	Advanced Clinical
C	General Clinical
D	Public Health
E	Dental Materials
F	Oral and Maxillofacial Radiology
G	Temporomandibular Disorders
H	Hospital Dentistry

Staff AFSC 47H4
Qualified AFSC 47H3
Entry AFSC 47H1

PERIODONTIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats diseases and destructive processes of investing hard and soft tissues of teeth. Supports the dental health program. Directs periodontic service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases of investing hard and soft tissues of teeth. Examines patients and interprets radiographs to assist in determining extent of tissue breakdown. Evaluates findings and conducts treatment. Corrects defects of occlusion. Prescribes and administers medications in treatment of diseases and infection of the oral cavity. Instructs patients in oral hygiene and dental preventive measures. Provides consultation services.
2.2. Directs the periodontic service, supports oral health programs. Formulates and implements procedures governing operation of the periodontic service. Plans and schedules work assignments for periodontists and technical assistants involved in treating diseases of investing tissues and providing oral hygiene instruction. Instructs dental officers and technical assistants in preventive dental protocols and techniques. Works with Dental Health Officer in coordinating the total dental health program at base level.

3. Special Qualifications:
3.1. Knowledge. Fulfillment of the education and training requirements satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47H3, completion of a residency in periodontics, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. Not used.

Staff AFSC 47K4
Qualified AFSC 47K3
Entry AFSC 47K1

PEDIATRIC DENTIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats diseases, abnormalities, injuries and dysfunctional disorders of the oral cavity and its associated structures in children. Directs pediatric dentistry service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats diseases, abnormalities, injuries, and dysfunctional disorders of the oral cavity and its associated structures in children. Examines child patients and interprets radiographs and diagnostic tests to determine type and extent of dental diseases and disabilities or dysfunctions. Evaluates findings and prescribes type, extent, and order of treatment required. Restores health and function of carious, fractured, or otherwise defective teeth. Provides behavior management techniques. Performs oral surgery, endodontic, prosthodontic, and interceptive orthodontic treatment on children. Provides consultation services.
2.2. Directs the pediatric dentistry service. Formulates and implements procedures governing operation of the pediatric dentistry service. Determines equipment, material, and personnel required to accomplish treatment of children. Coordinates with other dental and medical services. Instructs dental officers and technical assistants in pediatric dentistry procedures and techniques.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education and training requirements satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47K3, completion of a residency in pediatric dentistry, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. Not used.

Staff AFSC 47P4*
Qualified AFSC 47P3*
Entry AFSC 47P1*

PROSTHODONTIST
(Changed 30 Apr 98)

1. Specialty Summary. Examines and diagnoses disabilities incident to loss of teeth and supporting structures; formulates and executes treatment plans for the construction of corrective prostheses to restore proper mastication, phonetics and facial contour. Directs prosthodontic service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines and diagnoses disabilities caused by loss of teeth and supporting structures; formulates and executes treatment plan for construction of corrective prostheses. Examines patients to determine requirement and type of dental prosthesis. Analyzes jaw relationships and movement and formulates required treatment plan. Constructs removable, fixed, and maxillofacial prosthodontic restorations. Provides consultation services.
2.2. Directs the prosthodontic service. Formulates and implements procedures governing the operation of the prosthodontic service including dental laboratory. Determines personnel, equipment, material, and facility requirements for the operation of the prosthodontic service. Plans work assignments for prosthodontists, technical assistants, and laboratory technicians for treating patients and constructing prosthodontic restorations. Coordinates prosthodontic service with other dental and medical services. Instructs dental officers, technical assistants, and laboratory technicians in prosthodontic procedures and techniques.

3. Specialty Qualification:
3.1. Knowledge. Fulfillment of the education and training requirements satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47P3, completion of a residency in prosthodontics, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. For award of AFSC 47P3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. ***Specialty Shredouts**

Suffix	*Portion of AFS to Which Related*
A.	Maxillofacial Prosthetics
B	Area Dental Laboratory
C	Dental Materials

Staff AFSC 47S4*
Qualified AFSC 47S3*
Entry AFSC 47S1*

ORAL AND MAXILLOFACIAL SURGEON
(Changed 30 Apr 98)

1. Specialty Summary. Examines, diagnoses, and treats by surgical means abnormalities of oral and maxillofacial structures. Directs oral and maxillofacial surgery service. Related DoD Occupational Group: 6C.

2. Duties and Responsibilities:
2.1. Examines, diagnoses, and treats by surgical means abnormalities and injuries of oral and maxillofacial structures. Examines patients and interprets and evaluates radiographs of facial structures to determine nature and extent of abnormalities and injuries of jaws and adjacent bones and tissues. Prescribes and performs type of surgery and fixation required in treatment. Administers or supervises the administration of general anesthetics. Performs oral surgical operations to remove infected, impacted, or malposed teeth, to prepare jaws for prosthodontic appliances, and to remove abnormal growths, cysts, and foreign bodies from jaws and oral structures. Applies fixation apparatus for fractures of jaws and adjacent bones. Prescribes preoperative and postoperative care. Prepares diagnostic and treatment records. Provides consultation services.
2.2. Directs oral surgical service. Formulates and implements procedures governing administration of oral surgical service. Plans and schedules cases and assigns oral surgeons and technical assistants required to perform surgical treatment. Determines material and equipment requirements for operation of oral surgery service. Coordinates with other dental and medical services. Instructs dental officers and technical assistants in oral surgical procedures and techniques.

3. Specialty Qualifications:
3.1. Knowledge. Fulfillment of the education and training requirements satisfy this requirement.
3.2. Education. For entry into this specialty, a doctor of dental surgery or a doctor of dental medicine degree from an American Dental Association accredited college or university is mandatory.
3.3. Training. For award of AFSC 47S3, completion of a residency in oral and maxillofacial surgery, acceptable to the Surgeon General, HQ USAF, is mandatory.
3.4. Experience. Not used.
3.5. Other. For award of AFSC 47S3X, completion of an additional residency or fellowship program related to the suffix and acceptable to the Surgeon General, HQ USAF, is mandatory.

4. ***Specialty Shredouts:**

Suffix Position of AFS to Which Related

A ..... Temporomandibular Joint
B..... Facial Esthetics
C..... MaxillofacialReconstruction

INTRODUCTION

AEROSPACE MEDICINE UTILIZATION FIELD (48XX)

The Aerospace Medicine Utilization Field covers the functions of program formulation, policy planning, direction, and professional participation pertinent to maintenance and improvement of health standards and aerospace medicine. Included in this field are aerospace medicine specialists, occupational medicine specialists, family practice specialists (flight surgeon), aerospace medicine physician, and preventive medicine specialist. Included in this field are the responsibilities for determination of physical and mental fitness of personnel for flying and for prevention, diagnosis, and treatment of diseases, disorders, and injuries peculiar to flight. This field also includes responsibilities for the development of plans and procedures covering the medical aspects of defense against nuclear, biological, and chemical warfare. Officers in this field command medical installations, units, or activities as stated in AFI 51-604, *Appointments to, and Assumption of, Command.*
The following is a complete listing of AFSCs for the Aerospace Medicine Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
AEROSPACE MEDICINE	48A4 48A3 48A1	Aerospace Medicine Specialist
	48E4 48E3 48E1	Occupational Medicine Specialist
	48F4 48F3 48F1	Family Practice Specialist
	48G4 48G3 48G1	Aerospace Medicine Physician
	48P4 48P3 48P1	Preventive Medicine Specialist

Attachment 9

INTRODUCTION

PROFESSIONAL CAREER AREA (5XXX)

The Professional Career Area encompasses program formulation, policy planning, coordination, inspection, command and direction, and immediate supervisory and technical responsibilities pertinent to the Law and Chaplain Utilization Fields.
The following is a complete listing of AFSCs for the Professional Career Area.

PROFESSIONAL	
Law	
51JX	Judge Advocate
Chaplain	
52RX	Chaplain

INTRODUCTION

LAW UTILIZATION FIELD (51JX)

The Law Utilization Field encompasses the functions of planning, developing, supervising, coordinating, inspecting, and executing the duties prescribed by the Uniform Code of Military Justice pursuant to the Manual for Courts-Martial, United States, 1995 (Rev.), and the preparation, rendition, and review of opinions and decisions relating to civil law matters affecting Air Force personnel. The area also includes the administration of military justice including pretrial advice, preparation of trial, actual trial, and appellate review, and rendering legal advice to commanders on all phases of law including patents, contracts, claims, military affairs, taxes, legal assistance, legislative drafting, and allied legal matters.
The following is a complete listing of AFSCs for the Law Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
LAW	51J4 51J3 51J1	Judge Advocate

INTRODUCTION

CHAPLAIN UTILIZATION FIELD (52XX)

The Chaplain Utilization Field encompasses Chaplain Service programs, staff management, readiness, plans, advisement, administration, budgetary and fiscal management, and education functions supporting the free exercise of religion provision of the first amendment of the US Constitution. This includes planning, programming, and operations related to the following activities: staff supervision; war and contingency planning; deployment execution, chaplain materiel and facility management; chaplain resource management; chaplain recruiting; and chaplain services training and education.

Only officers originally commissioned to serve as chaplains and possessing ecclesiastical endorsements from a faith group recognized by the DoD Armed Forces Chaplains Board and acceptable to the Chief of Air Force Chaplains are classified in AFSCs 52R1, 52R3, and 52R4. Chaplains have rank without command authority, serve only in noncombatant status, and are not assigned duties outside the chaplain specialty.

Individual shredouts of the Chaplain AFSC are not authorized for use on manpower documents to identify peacetime requirements. They are only to be used as a management tool to provide readiness capability for asset management, unit taskings, operational plans development and execution, requirements determination, and force availability. They are used to ensure unit type code configurations and mission capabilities support wartime taskings. They provide a tailored flexible crisis response capability to support a variety of contingencies. The following is a complete listing of AFSCs for the Chaplain Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
CHAPLAIN	52R4 +52R3* +52R1*	Chaplain A - Protestant B - Buddhist C - Roman Catholic D - Jewish E - Orthodox F - Muslim Note: These suffixes are not authorized for use on manpower documents to identify peacetime requirements.

Attachment 10

INTRODUCTION

ACQUISITION AND FINANCIAL MANAGEMENT CAREER AREA (6XXX)

The Acquisition and Financial Management Career Area encompasses weather operations and research, basic and applied research in support of Air Force requirements, research and development command and staff functions, and engineering responsibility for the design, development, installation, modification, testing, and analysis of materiel, systems, methods, processes, and techniques. Also included is teaching college-level courses in subjects encompassed by the academic disciplines related to the specialty.

Excluded from this area are functions pertaining to the operation and maintenance of standard items of materiel, including their logistical and administrative support, and medical and dental research included in the Medical Career Area. The following is a complete listing of AFSCs for the Acquisition and Financial Management Career Area.

ACQUISITION	
Command	
60C0	Program Director
Scientific Research & Development	
61SX	Scientist
Developmental Engineer	
62EX	Developmental Engineer
Acquisition	
63AX	Acquisition Manager
Contracting	
64PX	Contracting
Finance	
65AX	Auditor
65FX	Financial Management
65WX	Cost Analysis

INTRODUCTION

SCIENTIFIC/RESEARCH UTILIZATION FIELD (61SX)

The Scientific/Research Utilization Field encompasses the scientific research function associated with research and exploratory development in support of Air Force requirements. In general, it requires very specific and extensive educational preparation. Each specialty includes responsibilities for conducting or managing programs, projects and activities established to perform research pertinent to that specialty. Research includes the functions of defining a problem, selecting methods of approach, performing experiments, accumulating and interpreting data, and publishing the results. Research management includes such functions as formulating, planning, fiscal programming, monitoring, evaluating, coordinating and administering programs, projects, and activities. These specialties, excluding AFSC 61S4, are used when research management requires technical specialization and an appropriate academic degree in a particular specialty and academic field. Scientific positions are primarily laboratory oriented; however, these specialties are found throughout the research and development community and related areas.

AFSC 61S4, Scientist, is normally limited to the identification of senior management positions where duties and responsibilities are broad in nature, commensurate with grade, and include management of multiple programs, projects, or activities involving diverse scientific fields or endeavor.

Excluded from this field are functions dedicated to research on computer hardware and software. These specialties are found in the Communications-Computer Systems Career Area.

Functions requiring only a general knowledge of science or research and development operations are described under AFSCs 63A3 and 62E3G. The following is a complete listing of AFSCs for the Scientific/Research Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
SCIENTIFIC/RESEARCH	61S4 61S3* 61S1*	Scientist A - Analytical B - Behavioral C - Chemist D - Physicist E - Mathematician

INTRODUCTION

DEVELOPMENTAL ENGINEERING UTILIZATION FIELD (62EX)

The Developmental Engineering Utilization Field encompasses the design, development, installation, modification, service engineering, testing, and analyses of materials, techniques, methods systems, or processes. Each specialty includes responsibilities for management of programs, projects, and activities established to perform development engineering in that specialty.

AFSC 62E4, Staff Developmental Engineer, is normally limited to identification of staff or management positions where duties and responsibilities are specifically oriented for technical management of programs, projects, or activities, and where by reason of diversification of development, they cannot be specifically related to any one field of development engineering specialization. AFSC 62E4 is used only for those positions that specifically require general or multilateral development engineering specialization and in which technical management functions are primary importance.

AFSC 62E3E, Electrical/Electronic, AFSC 62E3H, Mechanical, AFSC 62E3B, Astronautical, and AFSC 62E3A, Aeronautical, are specialties in which developmental engineering management requires technical specialization and an academic degree in a particular specialty. AFSC 62E3G, Project, identifies project engineering or technical management functions that require an engineering degree but not in a particular specialty. The following is a complete listing of AFSCs for the Developmental Engineering Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
DEVELOPMENTAL ENGINEERING	62E4 62E3* 62E1*	Developmental Engineer A - Aeronautical B - Astronautical C - Computer Systems E - Electrical/Electronic F - Flight Test G - Project H - Mechanical

Attachment 10

INTRODUCTION

ACQUISITION UTILIZATION FIELD (63AX)

The Acquisition Utilization Field encompasses staff and management functions peculiar to the Air Force acquisition life cycle. Air Force Supplement 1 to DoDI 5000.2, *Defense Acquisition Management Policies and Procedures*, provide basic and detailed guidance for acquisition programs.

Specific instructions on the utilization of the AFSCs follow:

It is desirable that entry into the career field be preceded by assignment in another utilization field whenever possible. Officers who enter the career field on their initial tour should seek a subsequent assignment in another utilization field followed by a return to the acquisition program management career field. This desired career broadening is to provide a better perspective and understanding of the interfaces between functions of acquisition management and related functions in the developing, operating, training, and support commands. Lateral inputs will include only those officers who have clearly demonstrated a potential for effective administration and program management beyond their basic specialty.

AFSC 63A4, Acquisition Manager, identifies positions with responsibilities for systems, major subsystems or equipment, or in the overall aspects of the program management effort.

AFSC 63A3, Acquisition Manager, identifies positions with the responsibilities for assisting in the planning and management of the system, subsystem, or equipment acquisition programs.

The terms "program" and "program management" are concerned with the acquisition effort managed by the Air Force. In addition, the term "logistics" relates to the Integrated Logistics Support function performed by the program manager with the assistance of the Air Force Materiel Command. The following is a complete listing of AFSCs for the Acquisition Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
ACQUISITION	63A4 63A3 63A1	Acquisition Manager

Attachment 10

INTRODUCTION

CONTRACTING UTILIZATION FIELD (64PX)

The Contracting Utilization Field encompasses the functions of contracting for systems supplies and services, assessing a contractor's ability to economically manufacture a product; and preparing, competing, negotiating, awarding, and administering contracts through both operational and central systems contracting programs.

To progress in this utilization field, officers should ensure a diversity of assignments in all aspects of the utilization field before becoming qualified for staff level assignments. The following is a complete listing of the Contracting Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
CONTRACTING	64P4 64P3 64P1	Contracting

INTRODUCTION

FINANCE UTILIZATION FIELD (65XX)

The Finance Utilization Field encompasses the functions of policy planning and assistance in programming formulation, direction, and inspection of fiscal management activities. Functions include analysis, evaluation, and presentation to commanders and staff information on all operations programs, and projected plans to support command objectives in the most efficient and economical manner within available resources. Involved are preparation and defense of the budget; disbursement, collection, and accounting for public funds; accounting for obligations and expenditures of appropriated and nonappropriated funds; maintenance of reports control system; collection, analysis, interpretation, and presentation of quantitative data pertaining to all Air Force operations; and audit of industrial contractors' accounts and internal accounts of the Air Force. The following is a complete listing of the Finance Utilization Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
FINANCE	65A4 65A3 65A1	Audit
	65F4 65F3 65F1	Financial Management
	65W4 65W3 65W1	Cost Analysis

Attachment 11

INTRODUCTION

SPECIAL INVESTIGATIONS CAREER AREA (71SX)

The Special Investigations Career Area encompasses the functions of program formulation and policy planning; control and direction of investigations involving possible acts of espionage, sabotage, treason, and other subversive acts; investigation of major violations of the Uniform Code of Military Justice and applicable federal statutes, and violations of public trust, such as fraud, bribery, and other criminal irregularities, with particular reference to the procurement or disposition of government property; conduct of background investigations of Department of Defense personnel in overseas areas at the request of the Defense Investigative Service; and conduct of special inquiries directed by competent authority.

Excluded from this career area are the investigative functions of administrative boards or persons appointed by the commander to investigate such matters as line-of-duty and aircraft accidents. The following is a complete listing of the AFSCs for Special Investigations Career Field.

UTILIZATION FIELD TITLE	AFSC	AIR FORCE SPECIALTY TITLE
SPECIAL INVESTIGATIONS	71S4 71S3 71S1	Special Investigations

Attachment 12

LIST OF OFFICER AFSCs AUTHORIZED FOR USE WITHOUT SHREDOUTS

The following officer AFSCs may be used without shredouts when required to reflect manpower authorizations and to identify and report officers qualified in basic AFSCs. All other AFSCs for which shredouts have been established will not be used without shredout unless specifically authorized by HQ AFPC/DPPAC.

13S1	21M3/1	43BX	44DX	44PX	45BX	45UX
33S3/1	43EX	44EX	44RX	45EX	46NX	15W3/1
42GX	44KX	44SX	45GX	46PX	21A3/1	42PX
43YX	44MX	44YX	45SX	47GX	47PX	47SX

Attachment 13
EXPERIENCE SETS AND EXPLANATIONS

EXP SET	TITLE	EXPLANATION
		AIRCRAFT AND RELATED EXPERIENCE
AA	T-38	Requires 12 consecutive months' experience with the aircraft (10 consecutive months' experience for individuals serving 12-month short tour areas).
AE	F-105	
AF	F-4	
AG	F-111	
AH	F-5	
AI	F-16	
AJ	F-117	
AK	A-7	
AM	F-15	
AN	A-10	
A5	F-106	
BA	B-2	
BH	B-1	
BI	B-52	
BK	U-2	
BL	SR-71	
BS	E-3A/B (AWACS)	
BT	E-4A/B (AABNCP)	
BX	C-135/137	
B1	C-141	
B3	C-5	
B4	KC-10	
B6	Flight Commander and Flight Commander Primary Crew Members	Requires 2 months' experience as a flight commander or flight commander primary crew member assigned to a key management or supervisory position in an operational flying or strategic missile squadron. May be designated on assignment to duties by recommendation of the squadron commander.
B7	Training Flight Instructor	Requires 2 months' in a training flight instructor position. May be designated on assignment to duties by recommendation of the commander.
B8	Receiver-Aerial Refueling Qualified	Requires transition/operational training and certification of receiver aerial refueling qualification by appropriate Operations authority.
B9	SAR RESCORT Qualified	Requires completion of the formal SAR RESCORT training course or completion of the SAR RESCORT training syllabus or a minimum of 6 consecutive months' experience on a SAR RESCORT designated SEA mission.
B0	Developmental Testing and Evaluation Navigator	Requires graduation from Test Navigator training at USAF Test Pilot School and a minimum of 6 months' experience as a Developmental Testing and Evaluation Navigator.
CA	Glide Bomb Unit (GBU)	Requires completion of formal training course or local in-unit upgrade in accordance with appropriate training syllabus and a training certificate signed by the unit commander or his designated representative.
CB	ACEVAL/AIMVAL	Requires previous participation in an ACEVAL/AIMVAL exercise as an aircrew member or staff officer.
CC	Production Activities in TAF Aircraft Maintenance COMO Units	Requires 12 consecutive months' experience in production activities of tactical aircraft maintenance organizations under the Combat Oriented Maintenance Organization (COMO) concept. Includes managing and supervising functions of the Deputy Commander for Maintenance staff, Equipment Maintenance Squadrons, Component Repair Squadrons, or Aircraft Generation Squadrons. This experience set is authorized for use with AFSCs 21AX.

EXP SET	TITLE	EXPLANATION
CD	C-130B/E	Requires 12 consecutive months' experience with the aircraft (10 months' consecutive experience for individuals serving in 12 month short tour areas.)
CE	Air Surveillance Officer	Requires graduation from formal training course E30ZR1741-002, Air Weapons Director (Air Surveillance), PDS code VCG. Also, requires officer to be functioning in mission-ready or operational-ready status in air surveillance officer or sensor system manager duty in AWACS, in any mobile tactical air control radar system, or in a fixed air defense command and control facility; or be functioning in electronic countermeasure-related duties; or have duty history as an air surveillance officer or electronic countermeasures staff officer.
CF	Night Vision Goggle (NVG) Operations	Requires completion of transition/operational training and certification of qualification by appropriate operations authority.
CG	Air Base Operability (ABO) Operations	Requires completion of formal course G30ZR0516-007, Air Base Operability (PDS code M4Q), 12 months' experience while assigned as a wing or base disaster preparedness or ABO officer, and supervisor's recommendation.
CH	Airfield Management	Requires 12 months' experience in airfield management duties and supervisor's recommendation.
CJ	Tactical Deception	Requires completion of course MAWC500 Combined Air Warfare Course (PDS code UWB), 12 months' experience while assigned as unit tactical deception officer, and supervisor's recommendations.
CK	Combat Airspace Manager	Requires completion of courses TAC228550 (PDS code ZEN) and TAC228555 (PDS code 9TH), or ACC JAOSC (PDS Code 77L), participation in one Joint Chiefs of Staff exercise with combat airspace management employment, and commander's recommendation.
CU	UH-1, Other	Requires 12 consecutive months' experience with the aircraft (10 months' consecutive experience for individuals serving in 12 month short tour areas).
CY	CH-53	
CZ	HH-53	
C1	Maintenance Officer Manning Enhancement Program	Requires selection for the Maintenance Officer Manning Enhancement Program (a joint MAJCOM/AFPC formal program) completion of the Accelerated Aircraft Maintenance Officer Course in residence, and 12 months' experience in aircraft maintenance duties. This experience set will only be used with activity code M.
C2	Career Trainer	Designation approval based on selection by board convened at HQ AETC.
C3	Joint/Component Staff Augmentee	Requires satisfactory performance in key commander/staff positions during joint exercises or actual field operations, certified by a senior exercise official.
C4	PAVE SPIKE	Requires completion of a formal training course or local in-unit upgrade in
C5	PAVE TACK	accordance with appropriate training syllabus and a training certificate
C6	PAVEWAY I/PAVE KNIFE	signed by the unit commander or his designated representative.
C7	F-15	Requires 6 consecutive months' experience in the F-15 aircraft and previous experience and training in air-to-air techniques.
C8	Special Operations Staff Augmentee	Requires special operations practical experience as a commander/staff officer at component or unified command level during a joint exercise or actual field operation. (Individuals designated C8 will not be designated C9.)
C9	Special Operations Staff Officer	Requires knowledge of the capabilities and limitations of special operations aircraft and equipment and special operations techniques of employment and doctrine. A through grasp of training techniques is mandatory. Requires a minimum of 12 months' experience in a special operations staff assignment or 6 months' experience in a special operations staff assignment and completion of one of the following courses: Psychological Operations, Foreign Internal Defense, or Unconventional Warfare. (Individuals designated C9 will not be designated C8.)
C0	Red Flag	Requires completion of participation in a Red Flag combat readiness exercise in an aircrew capacity.
DE	C-12	Requires 12 consecutive months' experience with aircraft (10 consecutive

EXP SET	TITLE	EXPLANATION
D2	OV-10	months' experience for individuals serving in 12-month short tour areas).
D3	Aggressor Qualified	Requires 6 consecutive months' experience in Aggressor duties.
EA	Mid Air Recovery System (MARS)	Requires completion of transition or operational training, certification of MARS qualification by appropriate Operations authority, and 3 months' operational experience.
EB	Surface Recovery Operations	Requires completion of transition or operational training, certification of surface recovery qualification by appropriate Operations authority, and 3 months' operational experience.
EC	Night Recovery System (NRS)	Requires completion of transition or operational training, certification of NRS qualification by appropriate Operations authority, and 3 months' operational experience.
ED	Central NOTAM Facility	Requires 12 consecutive months' experience in a CNF and certification by supervisor.
EE	Single Integrated Operations Plans (SIOP) Experience	Experience must be a Numbered Air Force level or higher.
EF	Revolutionary Warfare	Requires completion of Revolutionary Warfare course, MAC 156000 (PDS code LZP), and a minimum of 6 months' experience in a special operations unit or other unit tasked with an unconventional warfare mission or in a staff position involving duties in direct support of unconventional warfare. Individuals possessing a minimum of 12 months' experience in special operations may qualify without completion of formal training. Individuals designated experience set EF normally should not be designated EH based on the same experience or duties.
EG	Psychological Operations	Requires completion of the USAF Psychological Operations Course and 6 months' experience in a staff position involving duties in direct support of psychological operations; or completion of the US Army Psychological Operations Officer Course.
EH	Foreign Internal Defense or Civic Action	Requires knowledge of Foreign Internal Defense (FID) mission and doctrine, special operations techniques of employment and capabilities and limitations of special operation aviation-FID resources; a minimum of 12 months' experience in a FID operational unit or a special operations staff position involving direct support of FID operations; completion of course AFSOC 158002 (PDS code WA7) and one of the following courses: AFSOC 142002 (PDS code 4ST), AFSOC 145002 (PDS code TN3), AFSOC 146002 (PDS code X9C), AFSOC 151002 (PDS code 86Y), AFSOC 152002 (PDS code 98V), AFSOC 156002 (PDS code LZP), SAM-CO (PDS code 9AZ) or SAM-O (PDS code 1GG); and recommendation by HQ AFSOC. ***NOTE:*** HQ AFSOC recommendation will be based on evaluation of member's experience by HQ AFSOC/DOOD.
EI	All Weather Recovery System (PAVE LOW)	Two years of direct OT&E experience with at least 1 year's experience in one of the following OT&E areas: test design, test analysis or evaluation, data reduction, data analysis, test conduct, or test report writing.
EJ	Joint Operation Planning and Execution System (JOPES) OPLAN Writer or Developer	Requires knowledge of policy and procedures described in JOPES Volumes I and II, and Global Command and Control Systems concepts, completion of the Contingency Wartime Planning Course, and 12 months' experience in deliberate and crisis action planning at major command or higher headquarters level.
EK	Joint Operation Planning and Execution System (JOPES) Automated Data Processing (ADP) Management	Requires knowledge of USAF War and Mobilization Plans Volumes I, III, and IV procedures described in AFMAN 10-401, JOPES Volumes I and II; knowledge of JOPES ADP modules used to manipulate and analyze OPLAN data; completion of the Contingency Wartime Planning Course and JOPES course, and 12 months' experience in deliberate and crisis action planning.

EXP SET	TITLE	EXPLANATION
EL	Joint Operation Planning and Execution System (JOPES) Programmer/Analyst	Requires 12 months' experience as an analyst or programmer on the Worldwide Military Command and Control System (WWMCCS) (Honeywell 6000) computer and minimum of 6 months' experience with JOPES software. Experience with WWMCCS and JOPES may be concurrent.
EM	Contingency Operation/Mobility Planning and Execution System (COMES) Management	Requires knowledge of USAF War and Mobilization Plans Volumes I, III, and IV procedures described in AFMAN 10-401; knowledge of COMPES modules used in inputting, extracting, manipulating, and analyzing OPLAN data; completion of the Contingency Wartime Planning Course, and 12 months' experience at major command or wing level in deliberate and crisis action planning.
EN	BLUE FLAG (Korean)	Requires completion of participation in a BLUE FLAG combat readiness exercise in the applicable scenario.
EO	BLUE FLAG (Contingency)	
EP	COPE THUNDER	Requires completion of participation in a COPE THUNDER combat readiness exercise.
EQ	BLUE FLAG (Northern Region)	Requires completion of participation in a BLUE FLAG combat readiness exercise in the applicable region NATO scenario.
ER	BLUE FLAG (Central Region)	
ES	BLUE FLAG (Southern Region)	
ET	Weapons Safety (Explosives and Nuclear)	Requires completion of Weapons Safety Officer Course (G30ZR4054X) or 6 months' consecutive experience in explosives and/or nuclear weapons safety functions.
EU	German Air Defense Ground Environment (GEADGE)	Requires 120 days' experience in GEADGE positions and certification as combat ready by the supervisor.
EV	SAC Instrument Flight Course (SIFC)	Requires completion of the SAC Instrument Flight Course.
EW	Worldwide Military Command and Control System (WWMCCS) Intercomputer Network (WIN) Operator	Requires knowledge of WIN operations; completion of the WIN course; and 6 months' experience at major command, numbered Air Force, field operating agency, or wing WIN operations.
EX	Electronic Combat Coordinator	Requires completion of course S-V8E-S, Electronic Combat Coordinator (ECC), 6 years' flying experience, 6 months' experience as an ECC, and commander or supervisor recommendation.
EY	Stage Crew Manager	Requires completion of Air Mobility Command & Stage Crew Management Training course.
E2	Pacific SAC ADVON	Requires recommendation and certification by HQ SAC/DOOC.
E3	European SAC ADVON	Requires recommendation and certification by HQ SAC/DOOC.
E4	Southwest Asia SAC ADVON	
E5	Atlantic SAC ADVON	
E6	Theater Battle Management (TBM)	Requires knowledge of TBM command and control system (i.e., CTAPS); completion of the Contingency Wartime Planning Course or Joint Doctrine Air Campaign Course, and 6 months' experience in TBM duties.
MEDICAL EXPERIENCE SETS		
FA	Aeromedical Staging	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.

EXP SET	TITLE	EXPLANATION
FB	Special Care Unit	Requires 12 consecutive months' experience in a Special Care Unit (SCU) (either multipurpose, medical, surgical, or combinations thereof) designated for the intensive nursing care of critically ill adult and/or pediatric patients. Experience in a unit classified as close observation room is not creditable. Requires recommendation by immediate supervisor and approval of Chief Nurse. Nurse officers with equivalent preservice experience are eligible after 6 consecutive months' of active duty experience.
FC	Chief of Hospital Services/ MAJCOM Chief of Professional Services	Requires 12 months' experience, either primary or additional duty, as Chief of Hospital Services or MAJCOM Chief of Professional Services; and recommendation of supervisor.
FD	Health Facilities Officer	Requires 12 months' experience while assigned to a medical organization with duties exclusively devoted to health facilities planning activities in support of a major construction effort (MCP), or 24 months' experience while assigned to a medical organization with at least 33% of the duties of the entire period devoted to coordinating activities in support of an extensive construction program.
FE	Research	Requires 12 consecutive months' experience in the respective medical specialty and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FF	Biomedical Equipment Maintenance	Requires completion of an Air Force biomedical equipment maintenance course or equivalent (as determined by the Surgeon General, USAF).
FG	Health Systems Analyst	Requires 12 months' experience in functional area supported by an ADP System (experience must be in system design, analysis, or management of ADP system) or 12 months' experience in a staff (MAJCOM or higher) position where primary duty is management of systems analysis or design of automated systems; or completion of one of the following educational programs: bachelor's or master's degree in computer science or informational systems science; 5-week AETC Computer System Analysis and Design Course; Education with Industry (EWI) tour in systems analysis; completion of the Medical Information Internship Program.
FH	Pediatric Nursing	Requires 12 consecutive months' experience, recommendation by immediate supervisor, and approval of Chief Nurse. Nurse officers with equivalent preservice experience are eligible after 6 consecutive months of active duty experience.
FI	Public Health	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FJ	Primary Care Clinic	Requires 12 consecutive months' experience, recommendation by immediate supervisor, and approval of Chief Nurse.
FK	Director, Ambulatory Services	Requires 12 months' experience as a Director of Ambulatory Services.
FL	Aeromedical Evacuation	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FM	Hyperbaric Nursing	Requires successful completion of Hyperbaric course at USAFSAM and four therapeutic dives.
FN	Base Dental Surgeon	Requires a minimum of 24 months as Base Dental Surgeon at a base or facility having four or more dental officers.
FO	Medical Materiel	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FP	Nominee, ACHA	Notification by American College of Hospital Administrators (ACHA) of acceptance. (Letter/Certificate).
FQ	Member, ACHA	
FR	Fellow, ACHA	

EXP SET	TITLE	EXPLANATION
FS	Renal Dialysis	Requires 12 consecutive months' experience, recommendation by immediate supervisor, and approval of Chief Nurse. Nurse officers with equivalent preservice experience are eligible after 6 consecutive months' of active duty experience.
FU	Inhalation Therapy	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FW	Infection Control/Nurse Epidemiologist	Requires 12 months' experience and recommendation by Chief Nurse.
FX	Oncology	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
FZ	Medical Operations	Requires 24 months' experience in a Plans and Operations function involved in contingency planning at MAJCOM, USAF, Unified Command, or Joint Staff level. Completion of Armed Force Staff College may be substituted for 12 months' experience.
F1	Quality Assurance Coordinator	Requires 12 months' experience as a Quality Assurance Coordinator and recommendation of Director, Base Medical Services. (For use with Activity Code H).
F2	Social Health Insurance Systems Manager	Requires 24 months' experience in government health programs; such as CHAMPUS, VA, CHAMPVA, Medicare, Medicaid, and FEHBP. Completion of master's level graduate education or post-graduate doctoral level education where the major area of concentration related to study of third party reimbursement systems or one of the Federal health programs may be substituted for 12 months' experience.
F3	Medical Air Reserve Forces	Requires 12 consecutive months' experience and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
F4	Recruiting	Requires 12 months' experience in medical recruiting and recommendation by supervisor. Time spent in courses recognized by the Surgeon General, USAF, may be counted as experience.
F5	Health Promotion Coordinator	Requires 12 months' experience in health promotion coordinator duties.
F6	Emergency Department/ Services	Requires 12 months' consecutive experience in level I or II emergency services. Recommendation by immediate supervisor; and for nurses, by the chief nurse. Nurse officers with equivalent preservice experience are eligible after 6 consecutive months' active duty experience.
F7	Charge Nurse	Requires 12 months' consecutive experience as a charge nurse at a USAF medical facility and recommendation by immediate supervisor and chief nurse. AFSC 46AX positions are not to be identified by this SEI.
F8	General Dental Officer-Clinical Specialist	Requires 10 months' formal dental education in the form of clinical rotation under the supervision of board certified or qualified specialists. Designation approval based on AFMPC evaluation of experience. Officers should submit appropriate Air Force certification of training through the base and MAJCOM Dental Surgeon to HQ AFPC/DPAMD.
F9	Advanced Trauma Life Support (ATLS) Qualified Instructor	Requires completion of an advanced trauma life support instructor course.
F0	Air Transportable Hospital	Requires 24 months' consecutive experience through an assignment at an Air Transportable Hospital (ATH) that deploys at least twice annually and a recommendation from immediate supervisor and approval of the chief nurse.

EXP SET	TITLE	EXPLANATION
		LEGAL EXPERIENCE SETS
JA	Staff Judge Advocate	Advises the commander and staff on legal matters. Supervises activity of other judge advocates. Function is limited to the senior or designated judge advocate on the staff of the commander. Requires 6 consecutive months' experience and recommendation by supervisor.
JB	Area Defense Counsel	Acts as defense counsel for the accused in general, special, and summary courts-martial and in Article 32 (UCMJ) investigations, as appointed. Provides legal advice and representation in Article 15 (UCMJ) proceedings, separation actions, and administrative boards, as available. Serves as military legal advisor in foreign criminal cases. Requires 6 consecutive months' experience and recommendation by supervisor.
JC	Circuit Counsel	Accomplishes pre-trial, trial, and post-trial matters incident to general and special courts-martial and other military justice activities. Function is limited to Circuit Counsel. Requires 6 consecutive months' experience and recommendation by supervisor.
JD	Appellate Counsel	Activities involve preparation and filing of petitions and briefs before the US Court of Military Appeals, filing assignments of error and replies before the USAF Court of Military Review, and oral argument before both courts. Function is limited to Appellate Defense Counsel and Appellate Government Counsel. Requires 6 consecutive months' experience and recommendation by supervisor.
JE	Military Judge	Includes Appellate Military Judges on the USAF Court of Criminal Appeals who review courts-martial pursuant to Article 66 of the Uniform Code of Military Justice (UCMJ) and the Commissioner. Also includes the Trial Judiciary Officer and the Special Courts-Martial Judiciary Officer who are responsible for the fair and orderly conduct of courts-martial and other proceedings. Requires 6 consecutive months' experience and recommendation by supervisor.
JF	Military Justice Reviewing Officer	Supervises the administration of military justice. Reviews records of courts-martial and nonjudicial disciplinary proceedings and advises as to the appropriate action. Limited to positions at Numbered Air Force levels exercising general courts-martial jurisdiction and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JG	Logistics Contract Law Specialist	Responsible for providing legal advice regarding the solicitation, award, and administration of contracts relating to logistical support and maintenance of weapons systems on a worldwide basis. Limited to logistics contract law specialists at HQ AFMC and at Air Logistics Centers. Requires 6 consecutive months' experience and recommendation by supervisor.
JH	Systems Contract Law Specialist	Responsible for providing legal advice and support for all phases of the contracting process and associated activities involved in the research and development, test and evaluation, and acquisition of weapon systems and subsystems. Limited to positions at HQ AFMC activities, including positions in support of AFMC functions at other installations. Requires 6 consecutive months' experience and recommendation by supervisor.
JI	General Contract Law Specialist	Includes positions at HQ USAF and MAJCOMs whose incumbents are responsible for support of contracts initiated at their command level, for establishing contracting policy and guidance, and for reviewing contract actions initiated at subordinate levels. Also includes contracting center and ASBCA judges and attorneys. Requires 6 consecutive months' experience and recommendation by supervisor.

EXP SET	TITLE	EXPLANATION
JJ	Civil Law Specialist	Activities involve legal advice, support, and supervision of various civil law programs, including legislation, tax, public utility, environmental, preventive law and legal assistance, patent, and civil law programs. Limited to positions at the Numbered Air Force level and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JK	Administrative Law Specialist	Renders legal advice and opinions on questions arising from the interpretation of statutory law, regulations, and other directives. Responsible for providing legal review of and guidance for administrative proceedings wherein the rights, privileges, property, and status of personnel may be affected. Includes personnel law, fiscal law, forensic medicine law, transition, and conflict of interest. Limited to positions at Numbered Air Force level and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JL	Claims and Tort Law Specialist	Responsible for investigating, adjudicating, negotiating, paying, and collecting claims involving personal injury, death, or property damage filed both against and in favor of the Air Force under applicable claims statutes and implementing directives. Provides support, assistance, and legal consultation on cases litigated under the Federal Tort Claims Act. Limited to positions at Numbered Air Force and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JM	Forensic Medicine Specialist/Physical Evaluation Board Counsel	Limited to those assigned to USAF Medical Centers and HQ USAF. Advises commander on legal administration of the Center; legality of professional actions, investigating, processing, and evaluating malpractice claims; instructing medical personnel in forensic medicine; and providing legal assistance. Also includes JA who represents personnel before the formal Physical Evaluation Board (PEB) and JA/PEB members. Requires 6 consecutive months' experience and recommendation by supervisor.
JN	International Law Specialist	Advises on international law; and foreign domestic law, including the law of armed conflict, Geneva Convention, air and outer space law and the law of the sea. Responsible for foreign criminal trials involving Air Force personnel; civil litigation in foreign courts; negotiation, drafting, and collection of international agreements affecting the Air Force. Limited to positions at Numbered Air Force and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JO	Labor Law Specialist	Provides legal advice and support, including representation, in labor management relations proceedings, disciplinary and adverse actions, and equal opportunity matters. Participates in the negotiation drafting and review of collective bargaining agreements. Limited to positions at Numbered Air Force and above, training centers, and AFSC activities. Requires 6 consecutive months' experience and recommendation by supervisor.
JP	Lawyer Serving as Line Officer	Requires possession of the LLB or JD degree in Law issued by an accredited law school.
JQ	Environmental Law Specialist	Responsible for providing environmental legal advice and support to commanders, staff agencies, and technical specialists. Reviews and provides legal guidance for preparation of environmental assessments and statements and for permits and compliance requirements under Federal and state statutes and regulations. Assists in Air Force litigation involving environmental law questions. Limited to positions at Numbered Air Force and above. Requires 6 consecutive months' experience and recommendation by supervisor.
JR	Base Contract Specialist	Requires 6 months' experience in base level contract functions and successful completion of a basic contract course.

EXP SET	TITLE	EXPLANATION
JS	Base Claims Specialist	Responsible for investigating adjudicating, negotiating, paying, and collecting claims involving personal injury, death, or property damage filed both against and in favor of the Air Force under applicable claims statutes and implementing directives. Limited to positions at base level. Requires either attendance at USAF Judge Advocate General's Claim & Tort Litigation course and 6 months' base-level claims experience or 12 months' base-level claims experience and recommendation by supervisor.
		LOGISTICS EXPERIENCE SETS
KA	Manufacturing Planning	Assigned to a production/manufacturing functional office. Must have participated in review/evaluation of a contractor's manufacturing planning during either validation phase or full-scale development phase of the acquisition cycle or planning of a major modification program. Tasks monitored and reported on must include at least all of the following: facilities and equipment requirements, plant layout/work flow, make or buy studies, development of production schedules, productivity analysis, manufacturing methods, introduction of new manufacturing technology (materials and processes) and man-hour estimates. Time period for award: 24 months.
KB	Manufacturing (Systems)	Pre-award, and post-award actions related to the contractor's ability to meet the contract terms and delivery schedule as required for the administration of contracts.
KC	Pricing Analyst	Responsible for contract price and cost analysis technique developments, and program evaluations pertaining to all phases of contract placement, modification, and contract completion in acquisition, fielding, and support of systems, subsystems, and equipment. Time period for award: 24 months.
KD	Contracting Officer	Pre-award, award, and post-award activities requiring the possession and exercise of a Contracting Officer's warrant.
KE	Administrative Contracting Officer (ACO)	Contact administration activities requiring the possession and exercise of an Administrative Contracting Officer's warrant.
KF	Base Contracting	Management, control, and accomplishment of the CONUS base contracting mission. This includes staff and supervisory position and Base Contracting Officer positions involving buying, contacting, CIAPs, and contract administration in the contacting of supplies, services, and construction for support of local operations.
KG	Contracting Overseas	Management, control, and accomplishment of the overseas base or regional contracting mission.
KH	Production (Central or Departmental)	Pre-award, award, and post-award actions related to the contractor's ability to meet contract terms and delivery schedules for contracting for subsystems or equipment in support of weapons systems.
KI	Quality Assurance	Control of the quality of material procured for the Air Force inventory.
KJ	Program Management Responsibility Transfer (PMRT)	Directly responsible for planning and implementing Program Management Responsibility Transfer for systems, sub-systems, or equipment from an implementing command to a supporting command. Time period for award: 18 months.
KK	Deputy Program Manager for Logistics	Twelve months' experience as Deputy Program Manager (DPML) or Logistics Manager in an Air Force Systems Command, Army, or Navy program or project office.
KL	Space Acquisition Logistics	Requires 12 months' experience in the formulation of advanced operational plans, concepts, and policies in support of space systems.

EXP SET	TITLE	EXPLANATION
KQ	Airlift Contracting-Buying	Pre-award, award, and post-award contracting activities related to the solicitation, pricing, negotiation, award, and administration of contracts for the acquisition of commercial airlift capability which are in direct support of a warranted contracting officer. Requires 12 consecutive months' experience and recommendation by supervisor.
KR	Contract Termination	Actions related to contract terminations for convenience and default which require the possession and exercise of a contracting officer's warrant. Requires 12 consecutive months' experience and recommendation by supervisor.
KS	Contract Administration	Pre-award, award, and post-award activities not requiring possession and exercise of a contracting officer's warrant.
K1	Air Transportation	Requires 12 months' experience working in or managing air transportation systems, including aerial ports of embarkation and debarkation, mobile aerial ports, aerial delivery sections, or combat mobility branches.
K2	Traffic Management	Requires 12 months' experience working in or managing an Air Force traffic management office, consolidated personal property shipping office, joint personal property shipping office, water port liaison office, or serve as a traffic manager in Military Traffic Management Command.
K3	Vehicle Maintenance or Management	Requires 12 months' experience serving a vehicle maintenance, vehicle management, or vehicle operations officer, including civil engineering heavy equipment (RED HORSE) vehicle maintenance shops.
K4	Transportation Plans and Programs	Requires 12 months' experience serving as a transportation plans and program officer at base, numbered Air Force, major command, or Headquarters United States Air Force level; or in an equivalent position in a joint duty assignment. (i.e., USTRANSCOM, USEUCOM, etc.)
LA	AF Logistics Officer Career Broadening Program	Performs duty in the logistics officer career broadening program as established by AFI 36-2111, *The Logistics Career Broadening Program.* Time period for award: 24 months.
LB	AFMC International Logistics Training Program	Performs duty in the AFMC International Logistics Training Program. Time period of designation: 9 months'.
LC	Explosive Ordnance Disposal (EOD)	Responsible for establishing procedures for detection, identification, rendering safe, recovery, or destruction of US and foreign munitions. Organizes and trains teams of munitions disposal experts. Involves field, staff, and staff responsibilities from squadron level through HAF.
LE	Maintenance Control	Supervises the maintenance staff function; responsible for directing maintenance production activities, authorizing the expenditure of resources, and controlling the actions required to support the mission per AFI 21-101, *Air Force Maintenance Management.* The Maintenance Control Officer manages the full cycle of production by planning, scheduling, directing, and controlling all maintenance on primary mission, mission support, and transient aerospace vehicles.
LF	Munitions Technical Escort	Requires completion of a specialized chemical munitions technical escort officer course.
LI	Fuels Officer	Requires completion of a fuels management course and a minimum of 18 months as a Base Fuels Management Officer.
LM	ALC Directorate of Materiel Management	Requires 1 year in performing or supervising Directorate of Materiel Management Activities.
LO	Logistics Composite Model	Requires 12 months' working level experience.
LW	Operational or Mobility or WRM Planning	Requires completion of 1 year of operational planning and mobility WRM experience at wing or base level.

EXP SET	TITLE	EXPLANATION
		WEATHER EXPERIENCE SETS
N2	Special Operations Weather Team	Requires 6 consecutive months' experience and supervisor's recommendation.
		SPECIALIZED SYSTEMS/MISSILES EXPERIENCE SETS
PN	LGM-25C	Requires 6 consecutive months' experience with Titan II.
PO	WS-133A	Requires 6 consecutive months' experience with Minuteman I.
PP	WS-133B	Requires 6 consecutive months' experience with Minuteman II, III.
PQ	WS-133A/M	
PS	AGM-65/MAVERICK	Requires completion of a formal training course or local in-unit upgrade in accordance with appropriate training syllabus and a training certification signed by the unit commander or his designated representative.
		SPECIALIZED SYSTEMS/RADARS EXPERIENCE SETS
QC	Radar Sensor Operations/Maintenance Evaluation	Requires 6 consecutive months' experience plus formal or informal training and recommendation by supervisor.
RN	Air Support Radar Team (ASRT)	Requires 6 months' experience on AN/TPB-1, service on an Air Support Radar Team, and recommendation by supervisor.
S1	Space Shuttle Operations	Requires 12 months' experience at the Johnson Space Center working in a NASA shuttle mission integration and/or operations capacity.
S2	Mission Control Complex (MCC) Operations	Requires completion of Satellite Test Center (STC), STC Data Modernization (DSM) Training and 18 months' experience.
S3	Cheyenne Mountain Complex, Missile Warning Center	Requires 6 consecutive months' experience in the Cheyenne Mountain Complex, Missile Warning Center. (For use with AFSCs 13SX).
S4	Cheyenne Mountain Complex, Space Defense Operations Center	Requires 6 consecutive months' experience in Cheyenne Mountain Complex, Space Defense Operations Center. (For use with AFSCs 13SX).
S5	Cheyenne Mountain Complex, NORAD Space Surveillance Center	Requires 6 consecutive months' experience in Cheyenne Mountain Complex, NORAD Space Surveillance Center. (For use with AFSCs 13SX).
		INTELLIGENCE FUNCTIONS EXPERIENCE SETS
TA	Western Europe	Requires authorization of AFIT or one of the USAF Area Studies Program sponsoring agencies in accordance with AFR 36-16, *Foreign Area Studies Program*.
TB	Eastern Europe	
TC	Soviet Union	
TD	North Africa	
TE	Sub-Sahara Africa	
TF	Middle East	
TG	South Asia	Requires authorization of AFIT or one of the USAF Area Studies Program

EXP SET	TITLE	EXPLANATION
TH	Mediterranean	sponsoring agencies in accordance with AFR 36-16, *Foreign Area Studies Program*.
TI	Southeast Asia	
TJ	Caribbean	
TK	Latin America	
TL	Far East	
TR	Targeting (Created 31 Oct 97)	Requires completion of course X30XR14N3B 000 (PDS Code 227), 12 months' experience, and recommendation by commander or designated representative.
TS	Tactical Information Processing and Interpretation (TIPI) System	Requires 12 months' experience performing in TIPI II Segment and certification by the TIPI II Segment supervisor; or completion of appropriate TIPI II Segment Supervisor Course (G4OST8044 or G3OZR8044) or TIPI Segment Operator Course (G4AST20650 or G3AZR20650).
TT	NSA Cryptological Career Program	Requires program completion.
TU	Geospatial (Created 31 Oct 97)	Requires completion of course X50BD14N1 001 (PDS Code PJV), 24 months' experience, and recommendation by commander or designated representative.
TY	Intelligence Resource Management	Requires completion of formal courses or 18 months' direct experience in intelligence aspects of resource management systems or processes (e.g., planning, programming, and budgeting systems, the Consolidated Defense Intelligence Program), to include the management of manpower/personnel actions associated with major intelligence systems.
T3	Synthetic Aperture Radar (SAR) or Sidelooking Airborne Radar (SLAR)	Requires completion of the SAR course developed by the Defense Sensor Interpretation and Application Training Program, the Advance Sensor Imagery Analysis Training course, or 18 months' experience in the exploitation of strategic or tactical radar imagery.
T4	Intelligence Precision Photographic Processing	Requires completion of the officer Precision Photographic Processing course, 12 consecutive months' experience in Precision Photographic Processing functions, and recommendation by supervisor.
T5	Imagery Intelligence (IMINT) (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course and minimum 24 months' experience in an imagery production, collection, or analysis position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.
T6	Human Intelligence (HUMINT) (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course and 3A-S13Q/3C-AS19N/241-ASIN7, Strategic Debriefing Course, minimum 24 months' experience in a resources intelligence position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.
T7	Collection Management (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course and X50ZD14N4B-000, Intelligence Collection Management Course, minimum 24 months' experience in an intelligence collection management position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.
T8	Signals Intelligence (SIGINT) (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course, minimum 24 months' experience in a cryptologic position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.
T9	Measurement and Signature Intelligence (MASINT) (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course, minimum of 24 months' experience in a MASINT position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.

EXP SET	TITLE	EXPLANATION
T0	Systems Management (Created 30 Apr 98)	Requires completion of X30BR14N1A-007, Intelligence Operations Officer Course, minimum of 24 months' experience in a systems management position, and supervisor's recommendation. AFSCs authorized for use with this experience set are 14NX.
GENERAL EXPERIENCE SETS		
UA	Instructor	1. For all career areas other than medical: Formal course in technical or professional instructing and 1 year of military teaching experience. 2. For medical career area except physicians: Requires 6 months' experience in academic instruction relating to the management of Continuing Health Education (CHE), residency, internship, or in-service training program. 3. For Physicians: Requires 6 months' experience as an academic and/or clinical instructor in an internship, residency, or fellowship program.
UB	Inspector	Designation approval based on HAF or AFPC evaluation of experience.
UC	Certified Public Accountant	Requires 6 consecutive months' experience and certification by state or district board.
UD	Human Relations	Requires 6 consecutive months' experience in functions such as equal opportunity and treatment and race relations.
UE	Education in Race Relations	Requires 6 consecutive months' experience.
UF	Social Actions as Additional Duty	Managing social actions programs on an additional duty basis in a geographically separated unit for 8 months. Must have completed additional duty social actions training and have commander's and MAJCOM's approval.
UG	Command Experience/ Qualified AFSC Dual Mission	Requires 6 months' experience in Communications-Electronics/Air Traffic Control organizations.
UH	USAF Postal Experience	Requires 6 consecutive months' experience.
UI	USAF Advance Agent for Presidential Trips	
UJ	Previous Experience as Primary Duty Protocol Officer	Requires 6 consecutive months' experience and supervisor's recommendation.
UK	Contingency Planning Support Capability (CPSC) Experience	Requires 6 months' experience using the CPSC in support of MAJCOM planning and execution activities and completion of the introduction to 6000 Programming/WWMCCS and 6000 Data Management System/WWMCCS courses, or 12 months' experience using the CPSC. Experience must be attained at MAJCOM level or higher.
UL	Airspace Management	Requires (1) 6 months' consecutive experience in the airspace management portion plus (2) completion of the USAF Airspace Management course.
UM	Administrative Systems Management	Completion of the Automated Administration Systems Course and 6 months' experience in administrative office systems, or 12 months' experience in administrative office systems.
UN	Mishap Board President	Requires completed participation as a board president of a mishap investigation board (aircraft, missile, nuclear, explosives, or industrial.)
UO	Journalistic Experience	Requires 6 months' experience and/or training in censorship activities.
UP	Drug and Alcohol Abuse Control	Requires a minimum of 12 months' experience working in support of the Drug/Alcohol Treatment Program.
UQ	Tactical Air Control System Direct Air Support Center/Air Support Operations Center (TACS DASC/ASOC)	Requires 6 months' experience in either a Direct Air Support Center (DASC) or an Air Support Operations Center (ASOC).

EXP SET	TITLE	EXPLANATION
UR	Tactical Air Control System Airborne Battlefield Command and Control Center (TACS ABCCC)	Requires 12 months' experience in an Airborne Battlefield Command and Control Center (ABCCC) position.
US	Aerial Combat Maneuvering Instrumentation (ACMI) Operator	Requires 12 months' experience.
UT	Tactical Air Control System Tactical Air Control Center (TACS TACC)	Requires 6 months' experience in Tactical Air Control Center (TACC) positions.
UU	Morale, Welfare, and Recreation (MWR)	Requires 12 months' experience in an MWR activity.
UV	Nonappropriated Fund Financial Management (NAFFM)	Requires 12 months' experience in an NAFFM function.
UW	Air Base Ground Defense	Requires completion of one of the following courses: (1) L3OZR8124-004, Ground Defense Flight Leader, PDS code 34G (May 84 through Jun 87); (2) L50ZA8124-010, Infantry Officer Basic Course (IOBC), PDS code YRD (Apr 78 through Oct 84); (3) L30ZR8116-000 or L3OZR8116-001, Ground Defense Command Course, PDS code 2JT or 54L (Aug 81 through current date); (4) L5OZA8124-016, Air Force Level 4, Ground Combat Skills, PDS code 9PE (Oct 87 through current date).
UX	Manned Spaceflight Engineer (MSE)	Requires completion of the Manned Spaceflight Engineer (MSE) Qualification Program (managed under the AF Manned Spaceflight Engineer/Payload Specialist (MSE/PS) Program by AFSC/Space Division).
UY	Payload Specialist (PS)	Requires completion of the Manned Spaceflight Engineer (MSE) Qualification Program (managed under the AF MSE/PS Program by AFSC/Space Division), selection as a PS on a DOD Space Transportation System (STS) mission, and completion of 12 months' in a designated PS position.
UZ	Mission Qualified Payload Specialist (PS)	Requires completion of the Manned Spaceflight Engineer (MSE) Qualification Program (managed under the AF Manned Spaceflight/Payload Specialist Program by AFSC/Space Division), selection as a PS on a DOD Space Transportation System (STS) mission, and completion of one flight on an STS mission.
U1	MAJCOM Level Readiness	Requires 12 months' experience and working knowledge in one or more of these areas: Managing MAJCOM play in Joint Staff exercises and war plans; writing annexes for CONPLANS, OPLANS, OPORDS, Contingency Operations Mobility Planning and Execution System (COMPES-M); JOPS/JDS procedures, Worldwide Mobility Command and Control System (WWMCCS) and WWMCCS Intercomputer Network (WIN) procedures; and MAJCOM mobilization procedures. - Also requires familiarity with exercise activities. Experience set U1 also pertains to officers assigned to DOD and Air Force level functions, including DOD Joint Commands, AFMPC, ARPC, AFRES, and NGB, except that these functions require 24 months' experience. Readiness managers at MAJCOM, SOA, or higher headquarters will request award for officers who become qualified, ensuring appropriate documentation for award.
U2	ASTRA Officer	Requires participation in Air Staff Training (ASTRA) Program.

EXP SET	TITLE	EXPLANATION
U3	Mishap Investigator	Requires completed participation in a mishap investigation board as mishap investigator (aircraft, nuclear, explosives, or industrial).
U4	Career Broadening Program	Requires 12 months' experience.
U5	ANG Advisor	
U6	Service on a Joint or Combined Staff	Requires 6 consecutive months' experience.
U7	Instructional Systems Development (ISD) Manager	Requires 12 months' experience in ISD work and completion of AETC course 3AZR75133, Instructional System Designer or equivalent. (A master's degree in education may be considered as one acceptable substitute for the ISD course.) Requires recommendation of MAJCOM ISD office before designation.
U8	Aerial Spray Operation	Requires 6 months' experience and commander's recommendation.
U9	Maintenance Mishap Investigator	Requires completed participation in a mishap investigation as a maintenance member of an aircraft investigation mishap board.
U0	Medical Mishap Investigator	Requires completed participation in a mishap investigation as a medical member of an aircraft mishap investigation board.
CIVIL ENGINEERING EXPERIENCE SET		
VA	Professional Engineer or Architect	Has been certified as a professional engineer or architect by any state registration board.
VH	Special Technical Operations	Requires recommendation and certification by the Joint Staff. (For use with activity code Y.)
RESEARCH AND DEVELOPMENT ENGINEERING EXPERIENCE SETS		
XA	Economics	Applies economic techniques to data concerning such topics as military compensation, personnel use, and manpower allocation. Requires 12 consecutive months' experience.
XB	Nuclear Weapons	Develops, tests, evaluates, and applies the technology concerning nuclear fission and fusion bombs and warheads; fusing and firing; release and ejectors; installation; handling equipment; test and maintenance equipment. Requires 12 consecutive months' experience.
XC	Survivability/ Vulnerability	Determines system and component response to nuclear weapon effects or non-nuclear weapon effects such as air blast, thermal, x-ray, gamma, neutron, EMP, etc., by use of analytical techniques and numerical computations. Conducts analyses of the influence of response upon mission performance. Develops techniques to simulate nuclear weapon effects on systems, subsystems, and components. Conducts effects experiments in the laboratory, in above-ground and in-site simulators, and in underground nuclear events. Techniques employed include electrical and high explosives. Develops transducer, recorders, and other instrumentation associated with experimentation. Applies specialized engineering services to establish S/V requirements and programs for aerospace systems. Develops and applies techniques at the component, subsystem, and system level to assure that mission performance is not degraded by the effects of nuclear weapons. Requires 12 consecutive months' experience.
XD	Laser Development	Develops, test, and evaluates high energy laser systems. Designs, constructs, and tests gas laser systems and subsystems, including cryogenic and high pressure fluid supply systems, electrical supply systems, aerodynamic cavities and flow systems, and power extraction optics. Draws on knowledge in areas of aerodynamics, instrumentation, and applied optics. Also applies to low-energy laser. Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
XE	E/O Guided or Designated Weapons	Uses electro or optical means (lasers, TV, etc.) in improving weapon accuracy and effectiveness. Requires 12 consecutive months' experience.
XF	Electronic Components	Develops, test, evaluates, and applies the technology concerning condensers, resistors, tubes, solid state circuitry and components; transmission lines; impedance elements; electronic and gas tubes; solid state; ferromagnetic and ferromagnetic devices, waveguides and waveguide devices; molecular electronics such as file deposition, crystal growths, thin-film techniques. Requires 12 consecutive months' experience.
XG	Electromagnetic Waves	Analyzes electromagnetic wave transmissions to determine effect of propagation media on the wave form. Includes test and analysis of various scatter modes, ionospheric reflection and refraction, ground waves, wideband radio, and radio. Considers effects of phase distortion, polarization, fading, multipath; measurement of dynamic antenna patterns and radar reflective areas; analysis of flight data to computer simulation. Requires 12 consecutive months' experience.
XH	Infrared Techniques	Develops, tests, evaluates, and applies the technology concerning infrared detectors, detector cooling, optical systems and materiels, radiation measurements, discrimination techniques, propagation, target and background characteristics, infrared countermeasures (ICRM). Requires 12 consecutive months' experience.
XI	Electrical Energy Sources	Develops, tests, evaluates, and applies the technology concerning energy sources--chemical, solar and nuclear; energy conversion processes--including photovoltaic, thermionic, photoelectric, fuel cells, batteries, solar mechanical, geothermal nuclear mechanical chemical combustion, solar collections, solar cell arrays, and radiators; power transmission--hydraulic and pneumatic systems, electrical components including circuit control devices, inverters, and actuators; power system integration--systems study and analysis. Time period for award: 18 months.
XJ	Aerial Photographic Equipment	Develops, tests, evaluates, and applies the technology concerning reconnaissance and recording cameras, control systems, mounts, photonavigation, motion compensation, and indexing. Requires 12 consecutive months' experience.
XK	Optics and Photographic Materials	Develops, tests, evaluates, and applies the technology concerning new lenses; optical material, high speed emulsions; photosensitive materials and processes; special lenses; sensitometric processes; and eye protection. Requires 12 consecutive months' experience.
XL	Propulsion Research	Develops, tests, evaluates, and applies the technology concerning aerothermodynamics, combustion, heat transfer, energy sources, energy release and transformation, and conversion to work. Requires 12 consecutive months' experience.
XM	Fuels and Lubricants	Develops, test, evaluates, and applies the technology concerning hydrocarbon fuels, high energy fuels, oils, greases, synthetic compounds, hydraulic fluids, rocket propellants. This includes solid propellants which consist of metal fuels and oxidizers held together by a chemical binder. Requires 12 consecutive months' experience.
XN	Nonmetallic Materials	Develops, tests, evaluates, and applies the technology concerning plastics; ceramics; elastomers, wood; textiles; paints; adhesives and sealants; coatings; composites, fibrous materiels, energy transmission fluids; refractory nonmetallic substances and compounds, brittle state and other fundamental studies; and materiels preservation. Requires 12 consecutive months' experience.
XO	Cryogenic Devices	Develops, tests, evaluates, and applies the technology concerning cryogenic devices used with liquid nitrogen, oxygen, helium, hydrogen, etc. Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
XQ	Electroanalysis	Develops, tests, evaluates, and applies the technology concerning circuit analysis and synthesis; amplification modulation; assembly and assembly techniques; reliability; electronic standards; measurements; signal analysis. Requires 12 consecutive months' experience.
XR	Human Engineering	Controls design, arrangement, and allocation of system function to man and machines; analyzes and designs presentation, input-output devices, and machine language to ensure effective man-machine communication and response; designs for ease of operation and maintenance, instrumentation presentation; work space layout; psycho-physiology factors. Time period for award: 24 months.
XS	Fluid Mechanics	Develops, tests, evaluates, and applies the technology concerning mechanics of fluid motions; gas dynamics; behavior of fluid in zero gravity environment. Requires 12 consecutive months' experience.
XT	Gas Dynamics	Develops, tests, evaluates, and applies the technology concerning wind tunnel studies; air foils; boundary layer control; turbulence; external and internal flow; stability and control; aerodynamic loads; aerodynamic heating; ionization, dissociation, and recombination effects; magnetogas dynamics, electrogas dynamics; equilibrium and nonequilibrium aerodynamic flows, slip and free molecular flow, plasma dynamics and measurement techniques. Requires 12 consecutive months' experience.
XU	Earth and Hydrospheric Science	Develops, tests, evaluates, and applies the technology concerning seismology, geology, geodesy, soil mechanics, geomagnetism, and oceanography. Requires 12 consecutive months' experience.
XV	Atmospheric Sciences	Develops, tests, evaluates, and applies the technology concerning atmospheric structure and composition; cloud physics and nucleation atmospheric radiation; atmospheric electricity and ionization; meteors; cosmic and solar influences; atmospheric acoustics; atmospheric optics; properties of ionosphere; solar simulation. Requires 12 consecutive months' experience.
XW	Sensors	Conducts and manages research, design, development, installation, modification, and testing of equipment to detect and indicate terrain configuration, the presence of military targets and other objects by means of emitted or reflected energy. The energy may be nuclear, electromagnetic, including the visible and invisible portions of the spectrum, chemical, biological, thermal, or mechanical including sound, blast, and earth vibration. Experience may be derived from activities relating to antennas, radomes, structural facilities, transmitters, receivers, information processors, exciters, power supplies, etc. The sensors may be airborne, space vehicle or platform borne, or ground based. Time period for award: 24 months.
XX	Laser Effects or Vulner-ability or Hardening	Determines the effects of laser radiation on materials using both analytical and experimental techniques. Uses both basic physics of interaction data and analytical techniques to assess the vulnerability of aerospace systems, subsystems, and components to laser radiation. Develops techniques and materials for use in hardening aerospace systems to laser radiation. Requires 12 consecutive months' experience.
XY	High or Low Energy Laser Integrator	Integrates components of high energy laser system to carrier platform. Responsible for interface definition, interface control, and configuration management. Assures subsystem compatibility in so far as power control, instrumentation, hydraulics, pneumatics, cooling, heating, flight and dynamic loads, and electromagnetic environment are concerned. Must have engineering degree. Plans and conducts subsystem and system compatibility and functional tests. Ensures commonality of specifications in subsystem procurements. Also applies to low-energy lasers. Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
XZ	Laser Propagation	Analyzes and measures the propagation of laser beams through the atmosphere, aircraft boundary layers, and other intervening media. Draws on knowledge in the areas of atmospheric physics, aerodynamics, turbulence, spectroscopy, matter-radiation interaction, and optics. Requires 12 consecutive months' experience.
X1	Laser Beam Control	Analyzes, develops, tests, and evaluates high or low energy laser systems and subsystems to accurately control and point a laser beam at a designated target. Draws on knowledge in areas of infrared and optical sensors, dynamic control systems, optical physics and engineering, inertial stabilization, servomechanisms, and structural dynamics. Requires 12 consecutive months' experience.
X2	Laser System Optical Components	Designs, develops, and tests high powered cooled and uncooled laser mirrors, windows, gratings, and other optical components. Develops new fabrication techniques for forming and designs coatings for optical surfaces. Familiar with interferometry, microscopy, hear transfer, and holography as applies to design and testing of optical components and subsystems. Also applies to low energy lasers. Requires 12 consecutive months' experience.
X3	Nuclear Weapon Effects (Environment)	Determines phenomenology involved in nuclear detonations; conducts large-scale numerical simulations of nuclear detonations to define radiation and hydrodynamic environments created by nuclear detonation; blast, x-ray, neutron, gamma, EMP, etc. Requires 12 consecutive months' experience.
X4	Econometrics	Combines analytical techniques with economic theory in order to determine optimal solutions to operational, production, or other problems involving costs, tradeoffs, and other economics considerations. Requires 12 consecutive months' experience.
X5	Operations Research or Simulation Analysis	Experience in design, development, documentation, test, and application of complex mathematical, statistical, or simulation techniques for identification of optimum solutions to operational or other problems. Requires 12 consecutive months' experience.
X6	Personnel Measurement	Designs, conducts, and evaluates experiments in occupational analysis, position classification, qualification and skill analyses, recruitment, selection, classification, assignment, performance evaluation, retention, criterion development, career development, work motivation, attitude and personality assessment, advanced statistical test and measurement techniques, and organizational psychology. Individuals must have a minimum of 24 months of experience in occupation or manpower research.
X7	Guidance and Counseling	The primary function of the officer must be in providing guidance or counseling to others. Requires 12 consecutive months' experience.
X8	Personnel and Training Research	Plans and executes research in the areas of personnel and training systems, including job requirements, aptitude testing, evaluation, selection, promotion, human learning, basic skills, etc. Develops and tests hypotheses, plans and conducts experiments and surveys, analyzes and reports results. Develops research proposals and monitors contracts. Serves as scientific consultant to other Air Force and DOD activities. Coordinates and provides staff super vision over personnel and training research programs and projects. Individual must have a minimum of 24 months' experience in personnel and training systems research.
X9	International Programs	Requires supervisor's recommendation and 12 months' experience in international programs such as Security Assistance, International Cooperative Research and Development, Mutual Support Act, Defense Industrial Cooperation, Stockpiling for Allies, or Reciprocal Fuel and Maintenance with foreign governments. ***NOTE:*** For individuals serving in 12 month short tour areas, designation criteria are supervisors' recommendation and 10 months' experience.

EXP SET	TITLE	EXPLANATION
YA	Security Assistance	Experience in the planning, programming, budgeting, procurement, development, acquisition, logistics, training, and in-country support of security assistance programs. Designation establishes that an individual has been involved with some facet of security assistance (Map, Grant, Aid, or Foreign Military Sales) and has specialized knowledge or experience in this area. Requires 12 months' consecutive experience.
YB	Life Cycle Cost Analysis	Responsible for the application of life cycle cost (LCC) techniques or methodologies as a part of system, sub-system, or component design and acquisition. This includes the function of developing and/or using complex calculations or predictions (that may include computer application) which are used either in house or on contract to improve total cost of USAF operational hardware. Time period for award: 24 months.
YC	Key Program Office Position	Reports directly to the Program Manager (System Program Director, etc.). Intent of award is to identify a select pool of officers for possible screening for future assignments to key management positions in the acquisition process. Time period for award: 24 months.
YD	Configuration Management	Organizes for the accomplishment of configuration management program; establishes configuration identification, control, status accounting and audit requirements; manages configuration by analysis and control of engineering changes against baselines; processes Engineering Change Proposals. Time period for award: 18 months.
YE	Program Control	Manages the efforts of the program control function so as to assure that the program is properly planned, documented, correlated, financed, and implemented. This includes the functions of cost estimating, budgeting, scheduling, analyzing, and forecasting. Establishes, revises, and maintains program control reporting procedures. Maintains data to track cost, performance, and schedule parameters in terms of approved thresholds. Should have operating experience with C/SCSC on one program. Requires 12 consecutive months' experience.
YF	Program Analysis	Analyzes system planning and programming data required to implement the USAF directed program. Develops and maintains a time-phased implementation schedule. Analyzes reports submitted by the contractors and evaluates total program progress measured against the master scheduled, budget, and plan; identifies deficiencies; determines impact on program; and recommends corrective action. Should have operating experience with C/SCSC on one program. Requires 12 consecutive months' experience.
YG	Financial Manager	Responsible for all aspects of financial management to include system budget preparation, submission, and justification; fund control; review and analysis of contractor reports; and preparation of independent cost estimates. Establishes, revises, and maintains cost reporting procedures. Develops and issues detailed guidance to contractor(s) for preparation of budget estimates, financial data, and contractor cost studies. Maintains current records of all funds applicable to the program. Should have knowledge of ability to utilize C/SCSC data. Requires 12 consecutive months' experience.
YH	Financial Analyst	Reviews and analyzes contractor funding and manpower reports to reconcile actual results with forecasts. Analyzes and reports on the impact on fund ceiling of system configuration and directed program changes. Evaluates funding deficiencies and the impact on system implementation. Monitors commitment, obligation, and expenditure status and prepares forecasts. Experience with statistical models for cost estimation and analysis. Should have knowledge of ability to utilize C/SCSC data. Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
YI	Field Test Manager	Supervises and manages the field test program for a system or major subsystem. Implements defined test requirements and test objectives. Translates test requirements into integrated systems test methodology. Establishes test schedules, integrates test resources and identifies support requirements. Coordinates the integrated test efforts of support agencies and/or contractors. Prepares, evaluates, and controls test documentation including test plans and procedures. Supervises, prepares, and controls test reporting including test evaluations, assessments, briefings, and reports. Acts as the field test manager for the responsible program office. Air Force Technical Evaluation Center program manager, MAJCOM project manager, or AFMC field logistics or test organization, Deputy Program Manager for Logistics or Air Logistics Center. Requires 12 consecutive months' experience.
YJ	System Deployment/ Turnover	Directly responsible for planning, engineering, turnover, or deployment for a system, subsystem, or equipment; includes those individuals directly assigned to Site Alteration or Activation Task Force (SATAF). Designation approval based on AFPC evaluation or experience.
YK	Systems Engineer	Provides system engineering or technical direction of the combined engineering effort of contractors and Air Force organizations to assure achievement of total system design requirements and the documentation of technical information leading to those requirements. Conducts periodic reviews to determine the technical adequacy of contractor efforts in meeting system logistics supportability, producibility, etc. Requires 12 consecutive months' experience.
YL	Subsystems Engineer	Serves as the focal point or project officer for the acquisition of a subsystem. Responsible for satisfaction of all subsystem requirements while assuring compatibility with system requirements involving design, schedule, and cost. Time period for award: 18 months.
YM	Integrated Logistics Support (ILS)	Serves as the focal point for all program office matters related to and impacting logistics. This includes the interface of ILS elements in the system design process. Implements DoD and USAF logistics policies and directives; assists system/equipment program offices in development of their ILS plans. Time period for award: 24 months.
YN	Data Management	Plans, manages, and verifies contractor validated data necessary to develop, acquire, install, test, operate, maintain, modify, and support Air Force systems, subsystems, and equipment. Accomplishes staff review of contractor data and data management program. Time period for award: 18 months.
YO	Human Factors	Develops concepts, prepares plans and programs, and manages human factors activities for system development. Provides for human engineering and biomedical support. Ensures satisfactory safety, protection, sustenance, escape, survival, and recovery of personnel within the total system environment. Determines requirements and manages development effort for training, equipment, manpower, and personnel data, and training courses. Develops and implements human factors test and evaluation programs. Requires 12 consecutive months' experience.
YP	AFPRO	Any permanent assignment to an Air Force Plant Representative Office qualifies.

Experience sets YQ through Y3 identify groups of systems on which particular activities are performed. They are to be utilized whenever it is more appropriate to identify a group rather than a specific system on which an individual may be working.

EXP SET	TITLE	EXPLANATION
YQ	Strategic Aircraft Systems	Requires 12 consecutive months' experience.
YR	Tactical Aircraft Systems	
YS	Airlift Aircraft	
YT	V/STOL Aircraft Systems	
YU	Recon/Strike Electronic Warfare Systems	
YV	Tactical Missile Systems	
YW	Strategic Missile Systems	
YX	Satellite Communication System	
YY	Space Booster Systems	
YZ	Armament Systems	
Y1	Control and Communication System	Plans and manages the implementation of ground and avionics control or communication programs. Manages the research, development and acquisition of ground avionics control and communication systems. Reviews and analyses plans and program documentation; develops communications requirements, estimates of transmission network capabilities, and interface specifications for terminal equipment. Responsible for efforts in development, test, and evaluation for communications security. Time period for award: 24 months.
Y2	Air Traffic Control Systems	Requires 12 consecutive months' experience.
Y3	Surveillance and Navigation Systems	Plans and manages the implementation of surveillance and navigation/air traffic control programs. Manages the research, development, and acquisition of programs. Reviews and analyzes plans and program documentation; system requirements, and specifications. Responsible for development, test, and evaluation. Time period for award: 24 months.
Y4	NASA	Assigned for 18 months to NASA in development or management of aerospace equipment techniques.
Y5	Reconnaissance Systems	Conducts and manages research and development or modification of reconnaissance techniques covering the optical, electro-optical, and electro-magnetic areas. Includes both collection and processing. Performs studies and analyses of operational requirements and designs, develops, and test equipment which satisfies these requirements. Time period for award: 18 months.
Y6	Information Transmission/ Processing Systems	Communication techniques and equipment for space, airborne, and ground applications. Includes transmission of all required types of information such as CS, AM, FM, RTTY, TV, telemetering, facsimile, etc. Includes radio, sound, wire, fiber optics, visual, infrared. Tracking techniques for missiles, space devices, etc. Techniques for processing information before transmission and after reception. Secure transmission and anti-jamming techniques. Interference reduction and control. Experience may be derived from activities related to antennas, transmitters, receivers, terminal equipment, internal facility trucking to include switching and busing, modems, cryptographic equipment, power supplies, interface equipment, and processing equipment including mini and microprocessors, and computer programs. Time period of award: 24 months.

EXP SET	TITLE	EXPLANATION
Y7	Acquisition Logistics	Logistics, acquisition program management, or engineering personnel with system or equipment program office experience in defining support needs, integrating logistics efforts, and interfacing with item design to ensure the most economical support of a developing system, subsystem, or equipment. Develops Integrated Logistics Support Plans; assists in development of other program/contracting documents. Includes optimization of trade-offs between design and support requirements for the total program life cycle. Time period for award: 18 months.
Y8	Production	Manages production activities associated with system and subsystem acquisition. Includes providing policy and guidance in control of resources, assuring the recording and analysis of quality control and production statistics and establishment of production schedules including product delivery dates.
Y9	Manager of Small Programs/Project Manager	Program or project manager acquiring a system, subsystem, or specific unit of equipment with responsibility for system acquisition in terms of cost, schedule, and performance parameters. May work directly with other military services or government agencies. Requires 18 months' experience and completion of AFIT course SYS223 or DSMC PMO course.
Y0	Acquisition Security	Requires completion of a basic systems acquisition course, Air Force Materiel Command course MWEOPS0002300SU, and 12 months' experience in systems security engineering management, systems security management, or security programming duties.
ZA	Management Information Systems Manager	Operates management information systems within program offices or advises and assists program offices in implementation and operation of Selected Acquisition Information and Management Systems and Performance Measurement Systems. Responsible for implementing C/SCSC of selected contracts. Reviews contractor internal management systems for compliance with C/SCSC after implementation. Maintains liaison with Contract Administration Service C/SCSC surveillance monitors for surveil-lance of contractor systems and analysis of contractor reports. Prepares management reports required to display planned versus actual progress. Time period of award: 18 months.
ZB	Command and Management Systems	Manages acquisition of Command and Management Systems, assessment and application of information systems technology selection and acquisition of Automatic Data Processing Systems, including software and hardware. Time period for award: 24 months.
ZC	Satellite Operations	Engineering or operational experience associated with planning, readiness, execution, and evaluation of earth-orbiting space vehicle operations. Applies engineering or operational expertise during satellite or ground systems interface definition; launch vehicle, spacecraft, or support network integration and compatibility testing; and flight and recovery operations in the areas of real time on-orbit command and control, orbit determination and analysis, and data retrieval and processing. Time period for award: 18 months.
ZD	Satellite Systems/Mechanical Astronautical	Experience as a development engineer on an exploratory, advanced or engineering development program. Applies mechanical or astronautical engineering expertise to the design, development, and testing of satellite systems. Time period for award: 18 months.
ZE	Satellite Systems/Electrical	Experience as a development engineer on an exploratory, advanced, or engineering development program. Applies electrical engineering expertise to the design, development, and testing of satellite systems. Time period for award: 18 months.

EXP SET	TITLE	EXPLANATION
ZF	Performance/Mission Analysis Optimization	Experience in the performance analysis or mission analysis of aircraft is required. This includes the setup, operation, maintenance, and improvement of multi-segment mission analysis computer programs. Experience with energy maneuverability computations and their interpretation is desirable. Experience in the application of optimization theory and methods to the solution of: optimal trajectories, performance maximization, optimal trajectories, performance maximization, optimal control and guidance problems for application to aerospace vehicles. Time period for award: 24 months.
ZG	Aircraft Design	Experience in the application or development of methods used in flight vehicle design. This includes external aerodynamic configuration and internal component design, and requires analysis knowledge and experience in performance, aerodynamics, propulsion, flight control, mass properties or computer aided design methodology. Application of areas such as wind tunnel studies; airfoils; boundary layer control; turbulence; external and internal flow; stability and control; aerodynamic devices; aircraft shapes; steady or unsteady aerodynamic loads; aerodynamic heating; and aerodynamic prediction methods, with application to subsonic, transonic, supersonic, or hypersonic flows. Development or application of engineering procedures for predicting aeroelastic problems such as flutter, divergence or panel flutter in aircraft, missiles, or propulsion systems. This experience should include familiarity with unsteady aerodynamics, structural dynamics, aeroelastic wind tunnel and flight test procedures. Time period for award: 18 months.
ZH	Manufacturing - Operations	Assigned and involved in the production/manufacturing function. Must have participated in reviews or evaluations of a contractor's manufacturing operations including at least all of the following: work measurement system, equipment utilization, equipment replacement analyses, application of new manu-facturing technology (materials and processes), work methods and manufacturing process. Time period for award: 24 months.
ZI	Manufacturing - Industrial Resources	Significant pre-award, award, and post-award activity associated with facilities and materiels support for research and development, production, and maintenance/modification programs. Involves providing, use, expansion, modernization or replacement, maintenance, and disposal of government-owned facilities, including the budgeting and management of necessary funds, and priorities and allocations concerning materials and components. Time period for award: 24 months.
ZJ	Flight Test Engineer	Requires graduation from a flight test course of at least 6 months' duration.
ZK	Multi Sensor Display Group (MSDG)	Requires formal training and 3 consecutive months' experience, or 6 consecutive months experience.
ZL	Guidance and Control or Inertial	Experience on an exploratory, advanced, or engineering development program in inertial guidance and control technology. Develops, tests, evaluates, and applies inertial guidance and control (G&C) technology to aerospace systems. Includes navigation and stability applications. Time period for award: 18 months.
ZM	Guidance and Control or Non-Inertial	Experience on an exploratory, advanced, or engineering development program in non-inertial guidance and control technology. Develops, tests, evaluates, and applies non-inertial guidance and control (G&C) technology (e.g., laser, TV, celestial, contour matching) to aerospace systems. Includes navigation and stability control. Time period for award: 18 months.
ZN	Propulsion - Air Breathing	Develops, tests, evaluates, and applies the air-breathing propulsion technology. Time period for award: 18 months.
ZO	Propulsion-Space Vehicle	Develops, tests, evaluates, and applies propulsion technology for space vehicle applications. Includes electric propulsion. Time period for award: 18 months.

EXP SET	TITLE	EXPLANATION
ZP	Structural Analysis	Experience in the development, application, or directing investigations of computational procedures for internal load analysis flight vehicle structures and component structures. This experience includes familiarity with finite element and other computer automated numerical methods and with the procedure for creating associated mathematical models that can accurately represent the actual behavior. Includes application of vibration damping concepts; advanced structural materials, fatigue analysis; fracture mechanics; dynamic loading weight and balance prediction and structural modification and repair technologies. Requires 12 consecutive months' experience.
ZQ	Space Flight Mechanics	Develops and directs the computation of space launch, orbital, ballistic missile and re-entry trajectories. Performs orbital analysis including ephemerides preparations and perturbation effects. Time period for award: 18 months.
ZR	Materials	Applies scientific and engineering fundamentals to develop and optimize design, processing techniques, and utilization of materials for aerospace applications. Analyzes material failures, corrosion problems, and material test data to determine causes of material deficiencies and proposes remedial action. Time period for award: 18 months.
ZS	Reliability/Maintain-ability	Provides specialized engineering services required to establish concepts and programs for aerospace systems and equipment reliability and maintainability, including quantitative requirements, design criteria, failure modes, and demonstration requirements and techniques, production techniques, mathematical modeling and simulation and failure data collections, analysis, correction, and feedback. Time period for award: 18 months.
ZT	Technical Intelligence	Develops and utilizes procedures and techniques used in collecting, evaluating, interpreting, and disseminating technical intelligence reports, briefings, studies, or analyses. Requires 12 months' experience.
ZU	Electronic Warfare Systems	Conducts and manages research development, modification, and systems engineering in electronic countermeasures (ECM), electronic support measures (ESM), and electronic counter-countermeasures (ECCM) techniques, components, systems, subsystems, and equipment. Performs testing, studies, and analyses of threat systems, operations, and applications of ECM, ESM, and ECCM equipment. Time period of award: 18 months.
ZV	Packaging and Crating	Provides packaging engineering services and support in the design, development, test, and evaluation of methods of packaging and materials handling. Time period for award: 24 months.
ZW	Computer Hardware	Develops, tests, evaluates, and applies computer hardware technology within research and development activities. Includes experience with peripheral, interface, and processing equipment relating to all computer (large, mini, and microcomputer) systems. Requires 12 consecutive months' experience.
ZX	Avionics	Develops, test, evaluates, and/or applies electronic technology for incorporation in aerospace systems. Systems include navigation, communications, autopilot, etc. Time period for award is 24 months.
ZY	Avionics Computer Program Development or Modification	Experience in research, design, development, modification, and testing of programs and routines to direct the on-board computer to perform a desired operation or sequence of operations for digital avionics. Experience includes problem analysis, flow diagram preparation, preparation of details, tests, subroutine development, storage allocation, input-output format specification, and their incorporation into a complete digital subsystem. Experience will also concern an in-depth knowledge of avionics and related electronic engineering applications. Time period for award: 18 months.
ZZ	Ballistic Missile and Space Launch	Experience in a ballistic missile and space launch vehicle systems SPO. Applies engineering expertise to the design, development, and test of space and ballistic launch vehicles. Includes Minuteman, standard space launch vehicles, related upper systems (MX and space shuttle, etc.) Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
Z1	Test Instrumentation Engineer	Responsible for system and/or major subsystem data acquisition systems in aerospace vehicles to monitor navigation, guidance and control, fire control, propulsion parameters, ground instrumentation for data acquisition and target monitor and general systems performance diagnostics. Familiar with Automatic Data Processing (ADP) equipment design and operations. Familiar with test instrumentation and test equipment. Formulates instrumentation test plans or procedures and evaluates test data. Requires 12 consecutive months' experience.
Z2	Test Safety Engineer	Manages the system safety program, including aerospace systems, nuclear, explosive, range flight, and ground safety functions. Implements safety policies and provides guidance. Responsible for safety requirements and evaluates effectiveness of safety programs. Applies engineering principles to identification of hazards and to preventive actions required to correct system hazards. Prepares appropriate test safety documentation. Requires 12 consecutive months' experience.
Z3	Parachutes, Aerial Delivery, and Recovery	Develops, tests, evaluates, and applies the appropriate technology for personnel, cargo, stabilization, deceleration, missile recovery, aerial delivery and dispenser systems. Time period for award: 18 months.
Z4	Life Support Equipment	Develops, tests, evaluates, and applies the appropriate technology for helmets; eye protection; flying clothing; personal oxygen equipment; personal survival gear; dropable survival gear; oxygen masks; oxygen regulators; emergency oxygen systems; pressure suits; anti-G suits; body armor; crew member restraining devices; physical anthropology; ear defenders (protectors); escape systems; and capsules. Time period for award: 18 months.
Z5	Crew Training Simulators	Experience in computer program and computer hardware design, development, documentation and test for crew training systems, including but not limited to flight simulators, radar, bomber or navigator EWO and instrument flight trainers. Must have detailed knowledge of real-time programming for digital computers which control simulation devices and an understanding of the processing algorithms input or output requirements and interface characteristics typical for simulation/training systems. Time period for award: 18 months.
Z6	Flight Engineer	Requires participation in aerial flight as a nonrated non-crew member. Performs engineering, developmental, or systems monitoring activity while in flight. Designation requires 15 months' experience.
Z7	Aircraft Battle Damage Repair (ABDR) Engineer	Requires 12 months' experience in support of a Combat Logistics Support Squadron and completion of the following courses: Aircraft Battle Damage Repair, J4AMF/ASF/AST 430X0-000 (PDS code 0UZ) or J4AMF/ASF/AST 430X0-002, (PDS code 7AA); Aircraft Battle Damage Repair General Assessor, J4AMF/ASF/AST 400X7-000 (PDS code 2B4); and AFIT WENY 441, Aircraft Battle Damage Repair, (PDS code 6VZ). Authorized for use with AFSCs 11EX, 12EX, and 62EX.
1A	Stability and Control	Experience in the area of aerodynamic stability and control of aircraft or missiles. This includes the development or application of procedures to describe the flight dynamics of a vehicle including flying qualities, control system analysis, and aeroelastic or control interactions. Experience in mathematical analysis, analog, and digital computation and simulation, wind tunnel testing or flight testing to describe the behavior of a vehicle in flight is also desirable. Requires 12 consecutive months' experience.
1B	Range Support	Experience in designing, developing, and analyzing digital computer techniques and equipment for the collection, processing, storage, transmission, and presentation of data from range instrumentation devices, including radars, electro-optical sensors, cine-theodolites, and telemetry systems. Time period for award: 18 months.

EXP SET	TITLE	EXPLANATION
1C	Airborne Digital EW Systems	Experience in computer program or computer hardware design, development, documentation, and test specifically related to electronic warfare systems. Must have knowledge of hardware and computer programming requirements for interrupt-driven, real-time systems used for threat acquisition/identification and/or power management. Time period for award: 18 months.
1D	Digital Avionics Fire Control/Navigation System	Experience in computer program or computer hardware design, development, documentation, and test for target acquisition, guidance, navigation, fire control, radar data processing or stores management functions aboard aerospace vehicles. Must have detailed knowledge of real-time programming for computers, and an understanding of the processing algorithms, input or output requirements, and interface characteristics typical for the subject systems. Time period for award: 18 months.
1E	Crew Station Engineering	Experience in the development of crew station geometry and arrangement of equipment, including switches, controls, display instruments, auxiliary systems, weapons release, etc. Knowledge of external and internal vision requirements, workload and delay of fatigue techniques, ground escape, and in-flight escape. Familiar with integrating ejection seats; and the physiological, mechanical, aerodynamic and propulsive aspects of aircrew degrees. Application of human engineering concepts to information display through mechanical, electrical and experimental techniques to evaluate such equipment for airborne or ground information systems. Time period for award: 24 months.
1F	Environmental Control	Experience with the design, development, and modification of turbo-machinery and other machinery used for compression and expansion in environmental control. Knowledge of heat exchanger principles, fluid flow networks and controls, and methods to remove excess cabin heat to air, fuel, or other heat sinks. Familiar with requirements of cockpit and avionics bay environments. Time period for award: 24 months.
1G	Test Facility Engineering	Experience in the design or operation of an engineering test facility. Specific experience should include test planning, coordination and procedures, as well as a familiarity with facility maintenance requirements and safety practices and instructions. Time period for award: 24 months.
1H	System Safety	Experience in MIL-STD-882 activities required including planning and management of contractor system safety programs or working experience with inductive and deductive system safety techniques to any developmental engineering activity and be able to critically evaluate contractor system safety analyses. Requires 12 consecutive months' experience.
1I	Ground Communications Electronics, Meteorological	Develops, tests, evaluates, or applies electronic and other engineering technologies for incorporation in ground CEM systems or equipment. These include navigation, communications, radar, command and control, air traffic control, satellite stations, remotely controlled vehicle stations, etc. Time period for award: 24 months.
1J	Engineering Standards and Specifications	Manages, develops, reviews, coordinates, and maintains military standards and specifications involving systems, equipment, components, items, processes, etc. Manages, develops, and maintains design handbooks and aerospace vehicle characteristics guides. Requires 12 consecutive months' experience.
1L	Support Equipment or AGE	Requires 12 months in duties involving acquisition and development of support equipment. Support equipment includes all equipment required to perform the support function which is not an integral part of the mission equipment. It does not include any of the equipment required to perform mission operations functions. Support equipment should be interpreted as including tools; test equipment; organizational, field, and depot support equipment; and related computer programs and software.
2A	Honeywell 6000	Requires 12 consecutive months' experience.

EXP SET	TITLE	EXPLANATION
2B	IBM (VIRTUAL)	
2C	IBM (Non-VIRTUAL)	
2D	MULTICS	
2E	Minicomputers (VIRTUAL)	
2F	B3500/3700/4700	
2G	B6700	
2H	U1050-II	
2I	RJETS	
2J	B-4000 Series	
2K	UNIVAC - Other	
2L	CDC - Other	Requires 12 consecutive months' experience.
2M	Burroughs - Other	
2N	CDC 6000 Series	
2O	CDC 7000 Series	
2S	U-9000 Series	
21	Micro Processors	
22	8-Bit Minicomputers	
23	16-Bit Minicomputers	
24	32-Bit Minicomputers	
25	65-Bit Minicomputers	.
26	Minicomputers, Other	Requires 12 consecutive months' experience.
COMPUTER LANGUAGE SKILLS EXPERIENCE SETS		
3A	COBOL	Experience sets 3A-3N requires at least 1 year's experience in the design, programming, testing, and implementation of a computer language.
3B	FORTRAN	
3C	PL/1	
3D	ALGOL	
3E	JOVIAL	Experience sets 3A-3N requires at least 1 year's experience in the design, programming, testing, and implementation of a computer language.
3F	APL	
3G	BASIC	
3H	GPSS	
3I	SIMSCRIPT	
3J	Simulation Languages-Other	
3K	SNOBOL	
3L	List Processing Languages-Other	
3M	File Format System (FFS) Language	
3N	Assembly Languages	
3O	Programmer, General	At least 18 months' experience in a position responsible for the translation of detailed system performance specifications into computer software. Included are flow charting, coding, testing, documenting, implementing, and maintaining such software.
3P	SDC Programmer Proficiency Trained	Requires 6 consecutive months' experience.
COMPUTER-OTHER EXPERIENCE SETS		

EXP SET	TITLE	EXPLANATION
4A	Programmer/Analyst	At least 18 months' experience in a position responsible for the translation of overall system performance specifications and flow charts suitable for use by programmers. Responsible for performance of same coding and the direction of the efforts of subordinate programmers.
4B	Systems Analyst	At least 18 months' experience in a position responsible for the translation of functional requirements into data systems and the planning and directing the activities of subordinate programmers and programmer or analysis in the development, test, and implementation of data system.
4C	Network Management	At least 2 years' experience in a position responsible for the planning, implementation, systems development or operation of a computer network. Included are remote and on-line terminal integration with host processor, communications technology, front-end processor requirements, and host operating and application system configuration for multi-user processing.
4D	MICRO Programming	At least 18 months' experience in the design, development, and maintenance of software or firmware for MICRO programmable systems.
4E	Requirements Analyst	At least 18 months' experience in the processing and staffing of Data Automation Requirements in accordance with OMB, GSA, DoD and Air Force Manuals and Instructions; validating requirements, evaluating alternatives, recommending solutions; and issuing Data Project Directive and Plans.
4F	CDTS	At least 18 months' experience in the definition, design, programming, and management of computer directed training systems.
4G	Programming Productivity Techniques	At least 18 months' experience in a position responsible for the use of programming productivity techniques in the development of automated data systems. Included are experience with structured programming, Hierarchical plus Input-Process-Output (HIPO), and team programming concepts such as structured walk throughs, technical librarian and development support libraries.
4H	ADP Security	At least 18 months' experience in a position responsible for planning, development, implementation, on evaluation of ADP security techniques and procedures. This includes both physical, communications, TEMPEST, and software or hardware security considerations. Includes service as WWMCCS ADP Security Officer (WASSO).
4I	CPE	At least 18 months' experience in a position responsible for the application of computer performance evaluation techniques; evaluation of findings; generation of corrective action proposals; and the direction of a continuing CPE program. (EWI time may be counted)
4J	Data Base Administration	At least 18 months' experience in a position responsible for the administration of data bases. Included are registration and certification of data elements; control of access; administration of codes and passwords; design of access techniques; contingency planning; evaluation and upgrade/replacement of storage media; and physical and software security; SCHEMA or SUB-SCHEMA definition; storage structure selection.
4K	Graphics	At least 18 months' experience in the design, development, and maintenance of graphic display systems. Included are video display systems; fiber optics displays; liquid crystal and plasma display technologies.
4L	Command and Control Hardware	Experience in research, design, development, installation, modification and testing of machines or groups of machines for command and control. These consist of input, storage, computing, control and output devices which use electronic circuitry in the main computing element to automatically perform arithmetic and/or logical operations by means of internally stored or externally controlled programmed instructions. Included, for example, may

EXP SET	TITLE	EXPLANATION
		be central processor large-capacity storage data channels, input/output, and peripheral equipment in operational support of data processing equipment; and devices designed to convey data from its original state to a data-processing media. Specific experience required in the application of large sequential or parallel processors as well as mini- and micro-computers to Air Force processing problems. Must be cognizant of techniques of digital logic design, micro-programming, analog to digital conversion, computer graphics, display devices and computer network concepts. Equipment may be mechanical, electro-mechanical, electrical, or optical, generally at terminal ends of communications lines. They may include transmission devices, image transmission and reception systems, and data interface equipment. The equipment may be air or space borne or ground based. Time period for award: 18 months.
4M	Command and Control Software	Experience in research, design, development, modification, and testing of programs and routines to direct the computer to perform a desired operation or sequence of operations for command and control. The experience includes inter-alia, problem analyses, flow diagram preparation, preparation of details, tests, subroutine development, storage location allocation input and output format specification, and their incorporation into a complete pro-cessing system. Experience may also concern executive (compiler and source), diagnostic, maintenance, and operational (object) programs. Time period for award: 18 months.
4N	Systems Computer Program Support	Experience in research, design, development, modification, and testing of computer programs oriented to general systems support rather than particular application or functional tasks. Includes executives and operating systems, assemblers, compilers, data base management systems, and generalized utility systems. Requires knowledge of higher order language requirements, translator design, computer program verification or validation techniques, and advance programming techniques. Time period for award: 18 months.
4O	Computer Aided Support for Automatic Test Equipment (ATE)	Experience in design, development, documentation, test, and application of programs (e.g., compilers and automatic test pattern generators) to aid in the development of ATE test programs. Knowledge of digital simulation or modeling of electronic circuits, electronic circuit analysis techniques, and computer system level programming (operating system, executive routines, compilers, etc.). Time period for award: 18 months.
4P	Automatic Test Equipment	Experience in application of programs (e.g., compilers and automatic test pattern generators) to aid in the development of ATE test programs. Experience in electronic circuit analysis techniques to aid in the specification of parameter test tolerances and in the development of fault isolation procedures. Time period for award: 18 months.
4Q	Digital Simulation for Operational Flight Program	Experience in design, development, documentation, test, and application of simulation programs to aid in the development and maintenance of OFP. Must have general knowledge of OFP applications programs to define their interfaces with the simulations. Example simulation programs are hot-bench applications such as threat simulations, internal (avionics equipment, multiplex bus, airframe, flight control, etc.) and external (atmosphere, earth, navigational aids) simulations. Time period for award: 18 months.
4R	L-COM	Requires 12 months' experience.
COMMUNICATIONS-ELECTRONICS EXPERIENCE SETS		
5C	Command, Control, and Communications Countermeasures (C3CM)	Requires completion of command, control, and communications countermeasures (C3CM) training for senior tactical battle managers.

EXP SET	TITLE	EXPLANATION
5D	Tactical Communications	Requires 12 consecutive months' experience.
5E	Tactical Radar Maintenance	
5H	Combat Information Systems Group (CISG)	Requires 12 months' experience and supervisor's recommendation.
5J	Combat Camera (Created 30 Apr 97)	Requires 18 months' experience in combat camera operations or management, and recommendation by commander.
6A	Precision Location Strike System (PLSS)	Requires 6 consecutive months' experience in certified task qualification and supervisor's recommendation.
6D	TACS/Combat Communications Experience	Requires 12 consecutive months' experience.
6L	AN/TYC-10 Message Processing Center	Requires 6 consecutive months' experience.
	TEST AND EVALUATION EXPERIENCE SETS	
7A	Operational Test and Evaluation (OT&E)	Requires 24 months' experience as an operational tester assigned to any headquarters or major command operational test activity (OTA) or deputy chief of staff (DCS) responsible for the conduct of OT & E, completion of the Air Force Operational Test and Evaluation Center OT & E Training Course or the Air Force Institute of Technology System 100 (PDS code 2RX) or 229 (PDS code TR9) course, and recommendation by the OTA commander or the DCS.
	OTHER EXPERIENCE SETS	
0A	Special Programs Man-	Designation approval based on AFPC evaluation of experience.
0B	agement/Exchange	
0C		
0D	Exchange Tour - European Area	
0E	Exchange Tour - Pacific Area	
0F	Exchange Tour - Western Hemisphere	Designation approval based on AFPC evaluation of experience.
0G	Exchange Tour - Sister Service	
0H	Personnel Support for Contingency Operations (PERSCO)	Requires Military Personnel Flight Chief recommendation and completion of all mandatory task performance requirements; and 6 months' PERSCO experience after completing task qualification training or be deployed for at least 30 days as a PERSCO team member for a Joint Chiefs of Staff, major command, or exercise deployment operation. ***NOTE:*** All mandatory task performance requirements must be completed within 12 months of the date assigned to PERSCO according to AFI 10-215.
0L	Air National Guard Readiness Center (ANGRC)	Requires completion of ANGRC Contingency Support Staff Training Course.

EXP SET	TITLE	EXPLANATION
0M	Quality Air Force (QAF) Advisor	Requires a minimum of 100 hours of quality related training by a professional body such as the Air Force Quality Institute or American Society for Quality Control; one year of experience as a Quality Advisor to an organizational commander when more than 50 percent of individual's time is spent working quality issues or 6 months' experience when 100 percent of time is spent working quality issues; and wing or equivalent commander recommendation. ***NOTE:*** Individuals previously awarded experience set 0J - Air Force Quality Advisor may be awarded 0M based on their prior qualification.
0N	Quality Air Force (QAF) Facilitator	Requires graduation from a QAF facilitator course; facilitate or cofacilitate minimum of two process action teams (includes quality councils, other teams such as natural work teams, and seminar groups in formal courses at the Air Force Quality Institute or other organization teaching QAF); successfully demonstrate facilitation skills from start to finish under mentorship of a QAF qualified facilitator; and possess QAF Facilitator Certificate issued by a wing or equivalent commander. ***NOTE:*** Individuals previously awarded experience set 0K may be awarded 0N based on their prior qualification.
0P	Quality Air Force (QAF) Instructor	Requires completion of all five formal QAF core courses and determination of proficiency to teach content materiel; proficiency determination in instructor areas of presentation and platform skills by a QAF Master Instructor; successful evaluation by a QAF Master Instructor; and possess a QAF Instructor Certificate issued by wing or equivalent commander.
0Q	Quality Air Force (QAF) Master Instructor	Requires qualification as a QAF Instructor; have successfully taught all QAF core courses (Awareness, QAF Leaders, QAF Team Leader, QAF Facilitator, and QAF Team Member); successful completion of Advanced Instructional Systems course; successful evaluation by a QAF Master Instructor; and possess a QAF Master Instructor Certificate signed by the Air Force Quality Institute and wing or equivalent commander.
0R	Arms Control (Created 30 Apr 97)	Requires 12 months experience and commander's recommendation.
0S	Modeling and Simulation (M&S) (Created 30 Apr 98)	Requires 15 months' experience in a valid M&S position and recommendation by the M&S activity director and unit commander.
00	Experience undetermined	Self Explanatory.

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