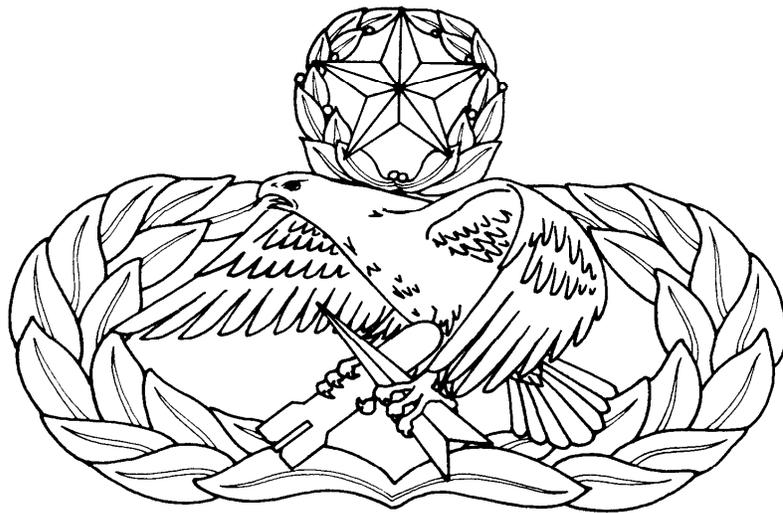


DEPARTMENT OF THE AIR FORCE  
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Washington, DC 20330-1030

CFETP 2R0X1  
Parts I and II  
MARCH 2004

# AFSC 2R0X1

## MAINTENANCE MANAGEMENT ANALYSIS SPECIALTY



## CAREER FIELD EDUCATION AND TRAINING PLAN



**CAREER FIELD EDUCATION AND TRAINING PLAN  
MAINTENANCE MANAGEMENT ANALYSIS SPECIALTY  
AFSC 2R0X1**

Table of Contents

<b>PART I</b>	
Preface	2
Abbreviations/Terms Explained	3
Section A, General Information	5
Purpose of the CFETP	
Use of the CFETP	
Coordination and Approval of the CFETP	
Section B, Career Progression and Information	6
Specialty Description	
Skill/Career Progression	
Apprentice Level (3)	
Journeyman Level (5)	
Craftsman Level (7)	
Superintendent Level (9)	
Training Decisions	
Community College of the Air Force	
Career Field Path	
Section C, Skill Level Training Requirements	13
Purpose	
Specialty Qualification Requirements	
Apprentice Level (3)	
Journeyman Level (5)	
Craftsman Level (7)	
Superintendent Level (9)	
Section D, Resource Constraints	16
Section E, Transitional Training Guide	17
<b>PART II</b>	
Section A, Specialty Training Standard	18
Section B, Course Objective List	33
Section C, Support Materials	34
Section D, Training Course Index	34
Section E, MAJCOM Unique Requirements	37

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CAREER FIELD EDUCATION AND TRAINING PLAN  
MAINTENANCE MANAGEMENT ANALYSIS SPECIALTY  
AFSC 2R0X1

**PART I**

*Preface*

1. This Career Field Education and Training Plan (CFETP) for AFSC 2R0X1, Maintenance Management Analysis Specialty is a comprehensive education and training document that identifies life-cycle education / training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and will instill rigor in all aspects of career field training. A copy of the current CFETP is available for review / download at: <http://140.185.52.73/ilm/ilmm/acmaint/ac-tng.html>.

**NOTE:** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; supervisors use both parts to plan, manage, and control training.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints. Some examples are funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements to support career field restructures.

2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, and technical references to support training; Air Education and Training Command (AETC) conducted training; wartime course requirements; core tasks; and correspondence course requirements. Section B contains the course objective list and training standards supervisors use to determine if airmen satisfied training requirements. Section C identifies available support materials. An example is a Qualification Training Package (QTP) developed to support proficiency training. Section D identifies a training course index supervisors use to determine resources available to support training; included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors use to determine additional training requirements unique to the MAJCOM.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to

train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

### ***ABBREVIATIONS / TERMS EXPLAINED***

**Advanced Training (AT):** Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

**Air Force Job Qualification Standard (AFJQS):** A comprehensive task list that describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on an AFJQS are common to all persons serving in the described duty position.

**Career Field Education and Training Plan (CFETP):** A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

**Certification:** A formal indication of an individual's ability to perform a task to required standards.

**Certification Official:** A person the commander assigns to determine an individual's ability to perform a task to required standards.

**Continuation Training:** Additional training exceeding requirements with emphasis on present or future duty assignments.

**Core Task:** A task Air Force Career Field Managers (AFCFMs) identify as a minimum qualification requirement within an Air Force Specialty regardless of duty position. Core tasks identified with an \*R are optional for AFRC and ANG.

**Critical Task.** Additional tasks, identified by MAJCOM Functional Managers, commanders, and supervisors as being required for skill-level upgrade training. When designated, certify these core tasks using normal core task certification procedures.

**Course Objective List (COL):** A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-, 5-, and 7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Developing, Managing and Conducting Military Training Programs*.

**Enlisted Specialty Training (EST):** A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

**Exportable Training:** Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

**Field Technical Training (Type 4):** Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

**Initial Skills Training:** A formal resident course which results in the award of a 3-skill level AFSC.

**Instructional System Development (ISD):** A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

**Mission Ready Airman:** A formal course which results in an airman receiving hands-on training and task certification of selected tasks so the individual will be immediately productive upon arrival at their first duty section.

**Occupational Survey Report (OSR):** A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

**On-the-Job Training (OJT):** Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

**Qualification Training (QT):** Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training occurs both during and after the upgrade training process. It is designed to provide the performance skill / knowledge training required to do the job.

**Qualification Training Package (QTP):** An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

**Resource Constraints:** Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being accomplished.

**Specialty Training Standard (STS):** An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between the Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, career development courses, and exportable courses.

**Upgrade Training (UGT):** A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

**Utilization and Training Workshop (U&TW).** A forum, co-chaired by the AFCFM and Training Pipeline Manager, of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

### ***Section A - General Information***

**1. Purpose.** This CFETP provides information necessary for Air Force Career Field Managers (AFCFM), MAJCOM Functional Managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2R0X1 should receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one or more of the technical training wings. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, and 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills and knowledge required to do the job. Advanced training is formal specialty training for selected airmen. Proficiency training is additional training, either in-residence, exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

**1.1.** Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

**1.2.** Identifies task and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.

**1.3.** Lists training courses available in the specialty, identifies sources of training, and the training delivery method.

**1.4.** Identifies major resource constraints which impact full implementation of the desired career field training process.

**2. Uses.** The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

**2.1.** AETC training personnel will develop / revise formal resident, non-resident, field and exportable training based on requirements established by the users and documented in Part II of

the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training.

**2.2.** MFMs ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM-developed training to support this AFS is identified for inclusion into this plan and must not duplicate other available training resources.

**2.3.** Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

**3. Coordination and Approval.** The AFCFM is the approval authority. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual review of this document by AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

### ***Section B - Career Progression and Information***

#### **4. Specialty Description.**

**4.1. Specialty Summary.** Refer to AFMAN 36-2108, *Airman Classification*, paragraph 1. Monitors, collects, assembles, and audits data for reports and briefings. Initiates special studies and investigations, and performs statistical analysis. Reports findings to managers with recommendations. Informs management of significant factors affecting the mission. Manages and operates maintenance management information systems (MIS), and performs functional system administrator (FSA) duties.

Related DoD Occupational Subgroup: 558.

**4.2. Duties and Responsibilities.** Refer to AFMAN 36-2108, paragraph 2.

**4.2.1.** Collects, monitors, audits, evaluates, and analyzes MIS data. Periodically audits source data for accuracy, timeliness, and compliance with directives. Collects and maintains data for use in analysis reports, studies, and problem identification. Using statistical techniques, interprets findings from data, identifies trends and significant deviations, and recommends corrective action. Analyzes deficiencies in areas such as equipment performance, materiel consumption, scheduling, management, and resources; their impact on the maintenance mission; and results of corrective actions. Prepares visual media for analysis studies. Prepares written reports and special studies; and presents recommendations and briefings to senior managers.

**4.2.2.** Controls, manages, operates, and maintains MIS. Performs FSA duties. Coordinates, effects development, and schedules MIS products, retrievals, and other programs. Identifies problems and recommends and applies corrective actions related to MIS operation and maintenance. Identifies and reports database problems / issues. Coordinates with appropriate information management / processing centers to ensure automated systems capability and

compatibility with customer requirements are met. Acts as the focal point for MIS requirements and enhancements. Forwards requirements/enhancements to higher headquarters for approval.

## **5. Skill / Career Progression**

**5.1.** Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential for everyone involved in training to do his or her part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives necessary training at appropriate points in their career. The following narrative and AFSC 2R0X1 Career Field tables identify the skill / career progression.

**5.2. Apprentice (3) Level.** Following Basic Military Training, initial skills training will be provided to members in a resident course at the 82d Training Wing, Sheppard AFB TX. The course will lay the foundation for additional training at the graduate's first duty assignment. Trainees will utilize the Career Development Course (CDC), and task qualification training to progress in their career field. Upon completion of CDC 2R051 and Air Force core task qualifications, the trainee should complete other available duty position training.

**5.3 Journeyman (5) Level.** Once upgraded to the 5-level, the journeyman will enter into continuation training that will broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. Five-levels may be assigned job positions such as maintenance data system specialist, database manager (DBM), flying squadron analyst, wing analyst, and various staff positions. After having 48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). After attending the formal trainer's course, 5-levels can be considered for appointment as unit trainers. Trainers must be qualified and certified to perform the task to be trained. CDC study is continued to prepare for Weighted Airman Promotion testing. Airmen should also consider continuing their formal education by pursuing a Community College of the Air Force (CCAF) degree.

**5.4. Craftsman (7) Level.** A craftsman can expect to fill various supervisory and management positions such as maintenance data system technician, wing database manager, NCOIC database management, wing analyst, flying squadron analyst, NCOIC Flying Squadron Analysis, NCOIC Wing Analysis, element chief, and various staff positions. Exportable courses, MAJCOM, and unit directed courses are also available. Seven-levels should take courses or obtain added knowledge of management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy.

**5.5. Superintendent (9) Level.** A 9-level can be expected to fill positions such as Maintenance Operations Flight (MOF) Superintendent, Analysis Superintendent, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt

will attend the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFS is also recommended.

**6. Training Decisions.** This CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the 2R0X1 Maintenance Management Analysis career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication and prevent a fragmented approach to training.

**6.1 Initial Skills.** The 3-level resident course provides training in database management and analysis functions. The U&TW working group members revised the 3-level course. Training time was reduced in the areas of hazardous materials, computers, word processing, and correlation and regression analysis. Training time was added in the areas of Enterprise Data Warehouse, TRIC Security, Query Language Processor (QLP) Report Writing, relational database management system (RDMS), and maintenance performance and mission performance indicators. Overall course length remained the same.

**6.2. Five Level Upgrade Requirements.** To upgrade to the 5-level, personnel must meet educational and training requirements and grade requirements as listed in table A8.1. Enlisted Career Path.

**6.2.1.** The U&TW working group made revisions to the 5-level supplemental course. The revisions included removing Interactive Query Utility (IQU) and replacing it with QLP in support of the 7R1 centralized database. Additional changes included modifying the database utilities sections to support the new schema and added emphasis on analysis testing and functions. The following items were removed from the 5-level CDCs; ancillary security programs, computer hardware configuration, preventative maintenance and custodial duties, data integrity team, IQU, and database management verification and corrections functions. The following items were added; maintenance management information system connectivity, structured query language (SQL), Air Force portal, data management routine and RDMS. Changes were also made to the existing CDCs to enhance the statistical analysis measurements and concepts.

**6.3. Seven Level Upgrade Requirements.** To upgrade to the 7-level, personnel must meet educational and training requirements and grade requirements as listed in table A8.1. Enlisted Career Path. Seven levels must be a SSgt with 12 months OJT, complete core task training, complete 7-level CDC, and complete the 7-level resident course at Sheppard AFB Texas for upgrade to the Craftsman level.

**6.3.1.** Both the Active Duty (AD) and ANG/AFRC versions of the Craftsman courses were modified. Major changes to the AD course include removal of IQU programming and addition of QLP report writing, SQL commands within QLP, flat file creation using executive control language (ECL) commands, AF Form 2422, and process analysis and data tools. Only minor changes were necessary for the ANG/AFRC course. This included the addition of SQL commands within QLP.

**6.4. Continuation Training.** Any additional knowledge and skill requirements which were not taught through initial or upgrade training are assigned to unit training or Training Detachments. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a proficiency training program that ensures individuals in the 2R0X1 Maintenance Management Analysis career field receive necessary training at the appropriate point in their career. The program identifies both mandatory and optional training requirements.

**7. Community College of the Air Force (CCAF).** CCAF offers and award job-related associate in applied science degrees and other academic credentials that enhance mission readiness, contribute to recruiting, assist in retention and support the career transitions of Air Force enlisted members. The college works with Air Force training centers, regional accrediting agencies, and hundreds of cooperating civilian colleges and universities. Since the technical nature of most Air Force courses places them on a level with college study, airmen earn fully recognized college credits for most of what they learn in formal coursework and on-the-job training. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associate in Applied Science Degree. In addition to its associate degree program, CCAF offers the following:

**7.1. Occupational Instructor Certification.** Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an associate degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

**7.2. Trade Skill Certification.** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman / Supervisor, or Master Craftsman / Manager. All are transcribed on the CCAF transcript.

**7.3. Degree Requirements.** All airmen are automatically entered into the CCAF program. Prior to completing an associate degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education.....	24
Leadership, Management, and Military Studies.....	6
Physical Education.....	4
General Education.....	15
Program Electives.....	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total.....	64

**7.3.1. Technical Education** (24 Semester Hours): Completion of the 2R0X1 training courses satisfies some semester hours of the technical education requirements. A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses.

Course	Semester Hours
J3ABR2R031 005 .....	17
J3AZR2R051 004.....	12
J3ACR2R071 006 .....	4
J3ACR2R071 007 .....	7

NOTE: These are the approximate hours listed for courses. These hours will change because of revisions being made to courses. CCAF must be contacted to get the correct number of hours for all courses.

**7.3.2. Leadership, Management, and Military Studies** (6 Semester Hours): Professional military education and/or civilian management courses.

**7.3.3. Physical Education** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

**7.3.4. General Education** (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

**7.3.5. Program Electives** (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associate of Applied Science for this specialty.

**7.4. AETC Instructor Requirements:** Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command instructor should be actively pursuing an associate degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

## 8. Career Field Path

**8.1. Enlisted Career Path.** Table A8.1 identifies career milestones for the 2R0X1 Air Force Specialty.

<b>Table 8.1 Enlisted Career Path</b>				
<b>Education and Training Requirements</b>	<b>Grade Requirements</b>			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
<b>Basic Military Training School</b>				
<b>Apprentice Technical School (3-Skill Level)</b>	Amn A1C	6 months 16 months		
<b>Upgrade To Journeyman (5-Skill Level)</b> - Minimum 15 months on-the-job training. - Complete all 5-level core tasks on one MDS. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	12 Years
<b>Airman Leadership School (ALS)</b> - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
<b>Trainer</b> - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.	<b>Certifier</b> - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
<b>Upgrade To Craftsman (7-Skill Level)</b> - Minimum rank of SSgt. - Complete all 5- and 7-level core tasks. - Minimum 12 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
<b>Noncommissioned Officer Academy (NCOA)</b> - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt	12.5 years	5 years	24 Years
	MSgt	16 years	8 years	26 Years
<b>USAF Senior NCO Academy (SNCOA)</b> - Must be a SMSgt or SMSgt Selectee. - A percentage of top non-select (for promotion to E-8) MSgts attend the SNCOA each year. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	28 Years
<b>Upgrade To Superintendent (9-Skill Level)</b> - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 Years

**8.2. Base/Unit Education and Training Manager Checklist:**

<b>Table A8.2. Base/Unit Education and Training Manager Checklist</b>		
<b>Requirements for Upgrade to:</b>	<b>Y</b>	<b>N</b>
<p><b>Journeyman</b></p> <ul style="list-style-type: none"> <li>- Has the apprentice completed mandatory CDCs, if available?</li> <li>- Has the apprentice completed all appropriate 5-level core tasks identified in the CFETP?</li> <li>- Has the apprentice completed all other duty position tasks identified by the supervisor?</li> <li>- Has the apprentice completed 15 months training (9 months for retrainees) for award of the 5-skill level?</li> <li>- Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and CFETP?</li> <li>- Has the apprentice been recommended by their supervisor?</li> </ul>		
<p><b>Craftsman</b></p> <ul style="list-style-type: none"> <li>- Has the journeyman achieved the rank of SSgt?</li> <li>- Has the journeyman completed mandatory CDCs?</li> <li>- Has the journeyman completed all core tasks identified in the CFETP?</li> <li>- Has the journeyman completed all other duty position tasks identified by the supervisor?</li> <li>- Has the journeyman attended 7-skill level Craftsman Course? <b>First, they must complete:</b> <ul style="list-style-type: none"> <li>-- All 7-level training requirements listed in the CFETP.</li> <li>-- A minimum of 6 months UGT for retrainees. –</li> </ul> </li> <li>- Has the journeyman completed a minimum 12 months UGT for award of the 7-skill level?</li> </ul>		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade Trainee

Trainee is prepared to be upgraded and has completed all training requirements.

\_\_\_\_\_  
Training Manager\_\_\_\_\_  
Supervisor

### ***Section C - Skill Level Training Requirements***

**9. Purpose.** Skill level training requirements in the 2R0X1 career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections A and B of this CFETP.

### **10. Specialty Qualifications:**

#### **10.1. Apprentice Level Training:**

**10.1.1. Specialty Qualification.** This information is located in the official specialty description in AFMAN 36-2108, paragraph 3.

**10.1.1.1. Knowledge.** Knowledge is mandatory of operations and logistics organizational management and procedures applying to aircraft, missiles, communications-electronics, space systems, or related equipment; applied statistical, analytical, and presentation techniques and concepts; data systems design procedures: Management Information Systems (MIS) and small computer operation and use; and concepts and application of directives.

**10.1.1.2. Education.** For entry into this specialty, computer literacy and completion of high school with courses in algebra, English composition, effective writing, and typing are desirable.

**10.1.1.3. Training.** For award of AFSC 2R031, completion of a basic maintenance management analysis course is mandatory.

**10.1.1.4. Experience.** None

**10.1.1.5. Other.** Specialty requires routine access to Secret material or similar environment. For award and retention of AFSC 2R031/51/71, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to AFI 31-501, *Personnel Security Program Management*.

**10.1.2. Training Sources and Resources.** The 3-level initial skills course will provide the required knowledge, qualification, and applicable certification. Initial skills training consists of statistical methods of data analysis, computer application software, data retrieval techniques, the operation / maintenance of management information systems (MIS), the procedures for maintaining and correcting data systems, the interpretation and use of reports from MISs, and the presentation of maintenance data.

**10.1.3. Implementation.** Upon graduation from Basic Military Training (BMT), completion of course J3ABR2R031 005, Maintenance Management Analysis Apprentice, satisfies the knowledge and training resource requirements for award of the 3-skill level for Maintenance Management Analysis trainees.

## **10.2. Journeyman Level Training:**

### **10.2.1 Specialty Qualification.**

**10.2.1.1. Knowledge.** In addition to the 3-level qualifications, a 5-skill level must possess the knowledge and skills necessary to apply statistical, analytical, and presentation techniques and manage / maintain Management Information Systems (MIS). A 5-level must be task qualified on small computer operation and use of software, using the database area schematic, using the database schema / subschema, identifying logic / structural errors, using Job Data Documentation (JDD) subsystem, using Maintenance Data Documentation (MDD) reference materials, using NDA500, using Data Management Utility (DMU), using Database Look (DBLook), using conversational Query Language Processor (QLP), using Interactive Recovery Utility (IRU), processing on-line inquiries / background reports; using Generated Runstream (GENRUN), using descriptive statistics, using predictive analysis, computing logistics / operations performance indicators, and computing mission performance indicators.

**10.2.1.2. Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.

**10.2.1.3. Training.** For award of AFSC 2R051, the 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

**10.2.1.4. Experience.** Qualification in and possession of AFSC 2R031. Also, experience in analysis activities.

**10.2.1.5. Other.** None.

**10.2.2. Training Sources and Resources.** A minimum of 15 months on-the-job training, completion of the 2R051 CDC and 5-level core tasks represent the resources needed for award of the 5-skill level. Attendance of the 5-level resident course, J3AZR2R051 004, Maintenance Management Analysis Supplemental, is highly recommended.

**10.2.3. Implementation.** Training to the 5-level is performed by the units utilizing STS, exportable courses, and CDCs. Upgrade to the 5-level requires completion of the basic 2R051 CDC, completion of 5 level core tasks, and 15 months OJT.

### **10.3. Craftsman Level Training:**

#### **10.3.1 Specialty Qualification.**

**10.3.1.1. Knowledge.** In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, principles and application of statistical, analytical, and presentation techniques; maintaining / operating MIS and evaluating / analyzing MIS data. Qualification is required on using Query Language Processor (QLP) Report Writer, using QLP with update, using the analysis process, developing hypothesis statements, performing parametric / nonparametric tests, performing sampling techniques, performing time series analysis, developing control charts.

**10.3.1.2. Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.

**10.3.1.3. Training.** Completion of mandatory CDCs, all 5 and 7-level core tasks, and resident 7-level resident course are mandatory for upgrade to 2R071.

**10.3.1.4. Experience.** Qualification in and possession of AFSC 2R051. Also, experience performing or supervising analysis functions and activities.

**10.3.1.5. Other.** None.

**10.3.2. Training Sources and Resources.** Completion of the J3ACR2R071 006/007 course at Sheppard AFB Texas, completion of applicable 7-level CDCs, along with supervisor certification of Air Force directed core tasks represent the resources required for award of the 7-skill level. The requirements listed in Part II lists the training provided by the 7-level resident course at Sheppard AFB Texas.

**10.3.3. Implementation.** Upgrade to the 7-level will require completion of all AF core tasks, 12 months OJT as a SSgt, completion of the 7-level CDCs and resident 7-level course at Sheppard AFB Texas. Completion of AF core tasks, 7-level CDCs, and (6 months for retrainee) will be completed before attending the resident course.

### **10.4. Superintendent Level Training:**

#### **10.4.1 Specialty Qualification.**

**10.4.1.1. Knowledge.** In addition to the 7-level qualifications, an individual must possess advanced skills and knowledge of statistical and analytical techniques; maintaining / operating and managing management information systems (MIS); analyzing deficiencies in areas such as equipment performance, materiel consumption, scheduling, management and resources; deficiency impact on the maintenance mission; and results of corrective actions; and evaluating / analyzing and interpreting MIS data.

**10.4.1.2. Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.

**10.4.1.3. Training.** None

**10.4.1.4. Experience.** For award of AFSC 2R091, qualification in and possession of AFSC 2R071 is mandatory. Also, experience is mandatory in managing or directing analysis activities.

**10.4.1.4. Other.** Not used

**10.4.2. Training Sources and Resources.** Duty position qualifications represent the required resources for upgrade to the 9-skill level.

**10.4.3. Implementation.** The 9-level will be awarded after completing MAJCOM requirements, unit OJT, and promotion to SMSgt. Individuals will attend the Senior NCO Academy after they are selected for promotion to SMSgt.

#### *Section D - Resource Constraints*

**11. Purpose.** This section identifies known resource constraints that preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

#### **12. Apprentice-Level Training:**

**12.1. Constraints - Overview:** Resource constraints for the J3ABR2R031 005, Maintenance Management Analysis Apprentice, course were listed as follows: instructor qualification and training on RDMS database structure, conversion of Tinker platform to 7R1 schema, instructor qualification on Enterprise Data Warehouse.

**12.2. Constraint:** Instructors will require access to a 7R1 database to learn the RDMS schema and techniques for use.

**12.2.1. Impact.** Instructors will be unable to develop material to train students on use of the 7R1 schema / subschema.

**12.2.2. Resources Required.** Access to the developmental database at Gunter and training by Gunter personnel.

**12.2.3. Action Required.** HQ SSG/ILM provide needed access and training on RDMS.

**12.2.4. OPR/Target Completion Date.** HQ SSG/ILM/Sep 03 – Closed

**12.3. Constraint:** The Maintenance Management Analysis courses require the Tinker platform converted to the 7R1 schema.

**12.3.1. Impact.** Maintenance Management Analysis students will not have access or be trained on the new 7R1 schema without the conversion at Tinker.

**12.3.2. Resources Required.** Undetermined if hardware at Tinker will support the 7R1 schema.

**12.3.3. Action Required.** HQ SSG determine if Tinker can support the 7R1 schema and develop a conversion plan for the 7R1 schema.

**12.3.4. OPR/Target Completion Date.** HQ SSG/ILM/Dec 03 – Closed

**12.4. Constraint:** Maintenance Management Analysis instructors require training on the Enterprise Data Warehouse (EDW).

**12.4.1. Impact.** Without training, instructors will be unable to develop course material and train students of the EDW.

**12.4.2. Resources Required:** Access to EDW and training materials.

**12.4.3. Action Required:** HQ USAF/ILMM provide POC for training materials and instructors gain access.

**12.4.4 OPR/Target Completion Date:** HQ USAF/ILMM/Jan 03 – Closed

**13. Five-Level Training:** Constraints on the 5-level course are detailed in paragraphs 12.2 and 12.3 above.

**14. Seven-Level Training:** Constraints on the 7-level course are detailed in paragraphs 12.2 and 12.3 above.

*Section E. - Transitional Training Guide.*

## Part II

### *Section A - Specialty Training Standard*

**1. Implementation.** This STS will be used for technical training provided by AETC for classes beginning with course J3ABR2R031 005, 21 May 2004 and graduating 10 August 2004. Course J3ACR2R071 006 beginning 3 May 2004 and graduating 14 May 2004. Course J3ACR2R071 007 beginning 7 May 2004 and graduating 4 June 2004. Course J3AZR2R051 004 is not governed by this STS; it has a separate Course Training Standard (CTS).

**2. Purpose.** As prescribed in AFI 36-2201, this STS:

**2.1.** Lists in the column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and Technical References (TR) necessary for airman to perform duties in the 3-, 5-, and 7-skill level.

**2.2.** Identifies in column 2 (Core Tasks) by asterisk (\*), specialty-wide training requirements. Core tasks identified with an \*R are optional for the AFRC and the ANG. As a minimum, all AFCFM directed core tasks applicable to this specialty must be completed and signed off for skill level upgrade. There is no longer an Air Force requirement for third-party certification of core tasks in this AFSC. However, MAJCOMs, commanders, and work center supervisors still retain the option to designate critical tasks (core or non-core) as requiring third-party certification. To designate a task as requiring third-party certification, circle the appropriate asterisk in the core task column on the specialty training standard (STS) portion the CFETP in the master task list (MTL) and individual training records. If the task is not already designated as a core task, place just the circle at the appropriate location in the core task column.

**2.3.** Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date.

**2.4.** Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course.

**2.5. Qualitative Requirements.** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

**2.6. Job Qualification Standard.** Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements

for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:

**2.5.1. Documentation.** Document and certify completion of training in accordance with AFI 36-2201, Vol 3. Automated records reflecting this STS may be used and are highly encouraged.

**2.6.1.1. Converting from Old Document to CFETP.** All AFJQs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. Document and certify all previous and current training IAW AFI 36-2201.

**2.7.** Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron, by Senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in AFI 36-2502, *Airman Promotion Program*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

**3. Graduate Assessment Survey.** Graduate Assessment Surveys (GAS) are used to provide feedback to the training squadron on the students' training. This document allows the supervisor of a technical training graduate to rate that person based on four areas; (1) graduate's attitude and adherence to military standards, (2) graduate's ability to perform at the apprentice level as defined in the CFETP, (3) how well the apprentice job requirements in CFETP meet the job requirements in your workplace, and (4) whether the supervisor received graduate's training report card (AETC Form 156). There is also space for supervisor's comments and a rating scale which shows how to rate the questions on the document. Personnel from the technical training courses will contact supervisors of any graduate who is rated Below Satisfactory or Well Below Satisfactory.

**4. Recommendations.** Report unsatisfactory performance of individual course graduates to the AETC training manager at 360 TRS/TRR, 913 J Avenue, Sheppard AFB TX, 76311-2352, DSN 736-3612, or e-mail to: [Patricia.Britt@sheppard.af.mil](mailto:Patricia.Britt@sheppard.af.mil). Reference specific STS paragraphs. For a quick response to problems, call our customer service information line, DSN 736-5236.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

DONALD J. WETEKAM, Lieutenant General, USAF  
DCS/Installations and Logistics

2 Attachments

1. Proficiency Code Key
2. STS 2R0X1

PROFICIENCY CODE KEY

CFETP 2R0X1, MARCH 2004

<i>This Block Is For Identification Purposes Only</i>		
Name Of Trainee		
Printed Name of Trainee ( <i>Last, First, Middle Initial</i> )	Initials (Written)	SSAN
Printed Name Of Training/Certifying Official And Written Initials		
<i>N/I</i>	<i>N/I</i>	

**QUALITATIVE REQUIREMENTS**

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	<b>IS EXTREMELY LIMITED</b> (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	<b>IS PARTIALLY PROFICIENT</b> (Can do most parts of the task. Needs only help on hardest parts.)
	3	<b>IS COMPETENT</b> (Can do all parts of the task. Needs only a spot check of completed work.)
	4	<b>IS HIGHLY PROFICIENT</b> (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	<b>KNOWS NOMENCLATURE</b> (Can name parts, tools, and simple facts about the task.)
	b	<b>KNOWS PROCEDURES</b> (Can determine step by step procedures for doing the task.)
	c	<b>KNOWS OPERATING PRINCIPLES</b> (Can identify why and when the task must be done and why each step is needed.)
	d	<b>KNOWS ADVANCED THEORY</b> (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	<b>KNOWS FACTS</b> (Can identify basic facts and terms about the subject.)
	B	<b>KNOWS PRINCIPLES</b> (Can identify relationship of basic facts and state general principles about the subject.)
	C	<b>KNOWS ANALYSIS</b> (Can analyze facts and principles and draw conclusions about the subject.)
	D	<b>KNOWS EVALUATION</b> (Can evaluate conditions and make proper decisions about the subject.)
<p>Explanations</p> <p>* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)</p> <p>** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.</p> <p>- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs.</p> <p>/ This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b, 2b/-, etc.).</p>		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level			
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC		
NOTE 1: Users are responsible for annotating training references to identify current references, pending STS revision.													
NOTE 2: All items marked with a code in column 4a(1) are trained in resident wartime courses.													
NOTE 3: Items in column 2 marked with an asterisk (*) are core tasks required for upgrade to the 5 or 7-skill level. Seven levels must complete both 5 and 7-level core tasks. Items marked with an (*R) are not required by AFRC and ANG for upgrade.													
A2.1.	CAREER PROGRESSION TR: AFI 36-2101, 36-2108; AFVA 36-212									A	-	-	-
A2.2	Security												
A2.2.1	Specific Operations Security (OPSEC) vulnerabilities of 2R0X1 AFSC TR: AFI 10-1101									-	-	-	-
A2.2.2	Computer Security (COMPUSEC) TR: AFI 33-102									-	-	-	-
A2.2.3	Communications Security (COMSEC) TR: AFI 33-211									-	-	-	-
A2.2.4	Information Assurance (IA) TR: AFI 33-204									-	-	-	-
A2.3	Air Force Occupational Safety and Health (AFOSH) Program TR: Applicable AFOSH STD 91 series; AFI 91-301, 91-302												
A2.3.1	Accident Prevention									-	-	-	-
A2.3.2	Fire Prevention									-	-	-	-
A2.3.3	Operational Risk Management									-	-	-	-
A2.4	Hazardous Materials and Waste Handling according to environmental standards TR: 29 CFR 1910.120, 1910.1200; EPA 40 CFR 311; NPA 471-472									-	-	-	-
A2.5	Maintenance Management TR: AFI 21-101, 21-103, 21-116; MAJCOM implementing instructions												
A2.5.1	Maintenance management principles									-	-	-	B
A2.5.2	Compliance									-	-	-	A
A2.5.3	Maintenance incident prevention									-	-	-	B
A2.5.4	Configuration and modification management									-	-	-	B
A2.5.5	Maintenance records management									-	-	-	B
A2.5.6	Technical Order (TO) management									-	-	-	B

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	
A2.5.7	Use Technical Publications											
A2.5.7.1	Air Force Instructions (AFIs)							A	-	-	-	
A2.5.7.2	AFCSM 21-XXX series							2b	-	-	-	
A2.5.7.3	Technical Orders							2b	-	-	-	
A2.5.8	Functional responsibilities of the Senior Maintenance Manager							-	-	-	B	
A2.5.9	Basic functions of the aircraft maintenance complex							A	-	-	B	
A2.5.10	Basic functions of Communications-Electronics (C-E) maintenance							A	-	-	B	
A2.5.11	Maintenance production							-	-	-	B	
A2.5.12	Maintenance Production Management (PS&D)							-	-	-	B	
A2.5.13	Maintenance Operations Center (MOC)							-	-	-	B	
A2.5.14	Mobility							-	-	-	B	
A2.5.15	Land Mobile Radios (LMRs)							-	-	-	A	
A2.5.16	Weapon system familiarization							-	-	-	-	
A2.5.17	Communications-Electronics (C-E) familiarization							-	-	-	-	
A2.5.18	Basic maintenance terms							A	-	-	-	
A2.5.19	Resource Management System											
A2.5.19.1	Resource management							-	-	-	-	
A2.5.19.2	Supply management							-	-	-	B	
A2.5.19.3	Personnel management							-	-	-	A	
A2.5.19.4	Financial management							-	-	-	A	
A2.5.20	Status Of Resources and Training System (SORTS)							-	-	-	B	
A2.5.21	Inspection systems TR: TO 00-20 series							A	B	-	-	
A2.5.22	Maintenance Data Documentation (MDD)											
A2.5.22.1	MDD concept							B	-	-	-	
A2.5.22.2	MDD codes							B	-	-	-	
A2.6	Maintenance Production Management											
A2.6.1	Time Compliance Technical Orders (TCTOs)											
A2.6.1.1	Purpose of TCTOs							-	-	-	B	
A2.6.1.2	Types of TCTOs							-	-	-	B	
A2.6.2	Compute capabilities to develop an operational contract							-	-	-	B	
A2.6.3	Develop monthly utilization and maintenance plans (Aerospace vehicle)							-	-	-	B	

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	
A2.6.4	Develop monthly utilization and maintenance plans (Engines)								-	-	-	B
A2.6.5	Prepare weekly utilization and maintenance plans (Aerospace vehicle)								-	-	-	B`
A2.6.6	Prepare weekly utilization and maintenance plans (Engines)								-	-	-	B
A2.6.7	Plan daily UTE and maintenance requirements								-	-	-	B
A2.6.8	Aerospace vehicle distribution (inventory management)								-	-	-	B
A2.6.9	Develop generation flow plans								-	-	-	B
A2.6.10	Identify TCTO requirements								-	-	-	B
A2.6.11	Identify time change requirements								-	-	-	B
A2.6.12	Forecast time change items (TCIs)								-	-	-	B
A2.6.13	Audit automated time change records								-	-	-	B
A2.6.14	Identify inspection requirements using TO's								-	-	-	B
A2.6.15	Maintain equipment historical records								-	-	-	B
A2.6.16	Perform document reviews								-	-	-	B
A2.6.17	Comprehensive Engine Management System (CEMS) collection of data								-	-	-	B
A2.6.18	Process CEMS status/inventory changes								-	-	-	B
A2.7	Supervision TR: AFI 36-2108, 36-2406											
A2.7.1	Orient new personnel								-	-	-	-
A2.7.2	Assign personnel to work areas								-	-	-	-
A2.7.3	Plan work assignments and priorities								-	-	-	-
A2.7.4	Schedule work assignments								-	-	-	-
A2.7.5	Establish											
A2.7.5.1	Work methods								-	-	-	-
A2.7.5.2	Work controls								-	-	-	-
A2.7.5.3	Performance standards								-	-	-	-
A2.7.6	Evaluate work performance of subordinate personnel								-	-	-	-
A2.7.7	Resolve technical problems for subordinate personnel								-	-	-	-
A2.7.8	Counsel personnel and resolve individual problems								-	-	-	-
A2.7.9	Initiate action to correct substandard performance by personnel								-	-	-	-
A2.8	Training TR: AFI 36-2201, 33-2101; AFMAN 36-2108											
A2.8.1	Enlisted specialty training								-	-	-	-
A2.8.2	Training plan and working groups								-	-	-	-

1. Tasks, Knowledge And Technical References	2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
	5	7									
A2.8.3	OJT trainer requirements										
A2.8.3.1	Prepare teaching outlines or task breakdowns							-	-	-	-
A2.8.3.2	Provide trainees theory and train on actual equipment							-	-	-	-
A2.8.3.3	Provide feedback on training provided							-	-	-	-
A2.8.4	OJT task certifier requirements										
A2.8.4.1	Develop methods of evaluation to determine trainee knowledge / qualification and training effectiveness							-	-	-	-
A2.8.4.2	Use appropriate method of evaluation and effectively determine trainee's ability							-	-	-	-
A2.8.4.3	Provide supervisor and trainer feedback on results of training and trainee's strengths / weaknesses							-	-	-	-
A2.8.5	Maintain training records							-	-	-	-
A2.9	Statistics TR: Commercial text; MAJCOM implementing instructions										
A2.9.1	Use descriptive statistics (Data distribution, measures of central tendency, and measures of variability)		*					2b	B	-	-
A2.9.2	Develop hypothesis statements			*				-	B	-	-
A2.9.3	Perform parametric tests (Normality testing - T-test for outliers, Analysis of Variance (ANOVA) - two sample test, testing sample means - t-test for two samples)			*				-	B	-	-
A2.9.4	Perform non-parametric test (Mann-Whitney U test for comparison of two groups, Kruskal-Wallis H test and Chi-square test)			*				-	B	-	-
A2.9.5	Statistical Process Control										
A2.9.5.1	Purpose							B	B	-	-
A2.9.5.2	Perform sampling techniques			*				2b	B	-	-
A2.9.5.3	Perform time series analysis			*				2b	B	-	-
A2.9.5.4	Develop control charts			*				2b	B	-	-
A2.9.6	Process analysis and data tools							-	B	-	-
A2.9.7	Predictive Analysis TR: Commercial text; MAJCOM implementing instructions										
A2.9.7.1	Purpose of predictive analysis							B	B	-	-
A2.9.7.2	Types of predictive analysis							B	B	-	-
A2.9.7.3	Perform regression analysis			*				2b	B	-	-
A2.9.7.4	Perform correlation analysis			*				1b	B	-	-
A2.9.7.5	Perform a trend analysis		*					2b	B	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	
A2.9.7.6	Perform extrapolation	*							2b	B	-	-
A2.9.7.7	Compute probabilities								2b	B	-	-
A2.9.8	Use analysis process (Collect, verify, manipulate, compare, review, analyze, problem-solving, research, investigate, evaluate, present findings, and follow-up)		*						B	B	3c	-
A2.10	Health Of Fleet (HOF) indicators TR: TO 00-20-2; MAJCOM implementing instructions											
A2.10.1	Maintenance / Operations performance indicators											
A2.10.1.1	Purpose and use of maintenance / operations performance indicators								A	B	-	-
A2.10.1.2	Compute system reliability / capability	*							2b	B	-	-
A2.10.1.3	Compute base repair capability								2b	B	-	-
A2.10.1.4	Compute maintenance scheduling effectiveness								2b	B	-	-
A2.10.1.5	Compute maintenance capabilities								-	B	-	-
A2.10.2	Compute mission performance indicators											
A2.10.2.1	Purpose and use of mission performance indicators								A	B	-	-
A2.10.2.2	Compute mission capability rates	*							2b	B	-	-
A2.10.2.3	Compute mission deviation rates	*							2b	B	-	-
A2.10.2.4	Compute flying schedule effectiveness rate	*							2b	B	-	-
A2.10.2.5	Compute manhours per flying hour								-	B	-	-
A2.10.2.6	Compute fix rate	*							2b	B	-	-
A2.10.2.7	Compute break rate	*							2b	B	-	-
A2.10.2.8	Abort rates											
A2.10.2.8.1	Compute ground abort rate	*							2b	B	-	-
A2.10.2.8.2	Compute air abort rate	*							2b	B	-	-
A2.10.2.9	Compute cannibalization rate	*							2b	B	-	-
A2.10.3	Utilization rates											
A2.10.3.1	Compute program utilization rates								-	B	-	-
A2.10.3.2	Compute actual utilization rates	*							-	B	-	-
A2.10.3.3	Compute departure reliability rates								-	B	-	-
A2.10.3.4	Compute Mean Time Between Failure (MTBF)								-	B	-	-
A2.10.3.5	Compute Mean Time To Repair (MTTR)								-	B	-	-
A2.10.3.6	Compute Mean Time Between Critical Failure (MTBCF)								-	B	-	-
A2.10.3.7	Compute Mean Time Between Maintenance Actions (MTBMA)								-	B	-	-
A2.10.3.8	Compute attrition rates	*							2b	B	-	-

1. Tasks, Knowledge And Technical References	2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.10.4	Communication - Electronics (C-E) mission performance indicators: Compute using ESR/JDD data										
A2.10.4.1	Compute operation availability (Ao)							-	B	-	-
A2.10.4.2	Compute operation readiness (Or)							-	B	-	-
A2.10.4.3	Compute Mean Down Time (MDT)							-	B	-	-
A2.10.4.4	Compute Mean Repair Time (MRT)							-	B	-	-
A2.10.4.5	Compute Mean Time Between Failure (MTBF)							-	B	-	-
A2.10.4.6	Compute Mean Time Between Critical Failure (MTBCF)							-	B	-	-
A2.10.4.7	Compute Mean Time Between Maintenance (MTBM)							-	B	-	-
A2.10.4.8	Compute utilization rate							-	A	-	-
A2.10.4.9	Maintenance Labor-Hours per Active Hour (MLH/AH)							-	-	-	-
A2.11	Report Analysis Findings										
A2.11.1	Maintenance Analysis Referral Process (AF Form 2422)							A	B	-	-
A2.11.2	Prepare Staff Summary Sheet (SSS) (AF Form 1768)							-	-	-	-
A2.11.3	Special studies							B	-	-	-
A2.11.4	Prepare and present a special study							-	B	2b	-
A2.12	Meetings										
A2.12.1	Purpose of meetings							-	B	-	-
A2.12.2	Prepare for and participate in a meeting							-	B	-	-
A2.12.3	Plan a meeting							-	B	-	-
A2.12.4	Conduct a meeting							-	B	-	-
A2.13	Computers TR: Applicable user manuals										
A2.13.1	Prepare ITSRDs TR: AFI 33-103							-	B	-	-
A2.13.2	Use equipment							2b	-	-	-
A2.13.3	Use software										
A2.13.3.1	Windows operating environment							2b	-	-	-
A2.13.3.2	Word processing		*					2b	-	-	-
A2.13.3.3	Spreadsheets		*					2b	-	-	-
A2.13.3.4	Database systems		*					2b	-	-	-
A2.13.3.5	Presentation software		*					2b	-	-	-
A2.13.3.6	Electronic mail							2b	-	-	-
A2.13.4	Local Area Network (LAN)							A	B	-	-
A2.13.5	Web based application							1b	-	-	-
A2.13.6	Air Force Portal							-	B	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	
A2.13.7	Deployed stand-alone system administration								-	-	-	-
A2.13.8	Perform connectivity								-	B	-	-
A2.13.9	Use InfoConnect								-	-	-	-
A2.13.10	Upload / Download files								2b	B	-	-
A2.14	Data Processing TR: AFCSM 21-5XX vol 2 series. 21-556 vol 1 & 3; AFI 33-101; MAJCOM implementing instructions; Unisys publication series											
A2.14.1	Methods of data processing											
A2.14.1.1	Tip / Demand / Batch processing								2b	B	-	-
A2.14.1.2	Pseudo processing for batch (PSUPRB)								-	B	-	-
A2.14.2	Responsibilities of Network Control Center (NCC), Defense Enterprise Computing Center (DECC), and Field Assistance Branch (FAB)								A	B	-	-
A2.14.3	Integrated Maintenance Data System (IMDS)											
A2.14.3.1	Data Management System (DMS) Schema / Subschema and Relational Data Management System (RDMS) Schema											
A2.14.3.1.1	Define								B	B	-	-
A2.14.3.1.2	Use DMS / RDMS Schema / Subschema	*							2b	B	-	-
A2.14.3.1.3	DMS Area Schematic / RDMS tables								B	B	-	-
A2.14.3.1.4	Use DMS Area Schematic / RDMS tables	*							2b	B	-	-
A2.14.3.1.5	Identify logic / structure errors	*							-	B	-	-
A2.14.3.2	Subsystem Familiarization											
A2.14.3.2.1	Basic knowledge of subsystems								A	-	-	-
A2.14.3.2.2	Subsystem monitor responsibilities								B	B	-	-
A2.14.3.2.3	Assist customers and subsystem monitors with technical problems								-	-	-	-
A2.14.3.3	Use Job Data Documentation (JDD) subsystem	*							2b	B	-	-
A2.14.3.4	Monitor System Interfaces											
A2.14.3.4.1	Initiate Interactive Communication (ICI) interface for Standard Base Supply System (SBSS) interface TR: UP 10614								-	B	-	-
A2.14.3.4.2	Monitor Reliability and Maintainability Information System (REMIS) interface programs								-	B	-	-
A2.14.3.4.3	Change REMIS interface password								-	-	-	-
A2.14.3.4.4	Monitor weapons system interface								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	
A2.14.3.4.5	NFS3W0 aircraft transfer process								-	-	-	-
A2.14.3.5	Mainframe system files											
A2.14.3.5.1	Application program files								-	B	-	-
A2.14.3.5.2	Support files								-	B	-	-
A2.14.4	IMDS Administration											
A2.14.4.1	Releases											
A2.14.4.1.1	Effects and purposes of releases								A	B	-	-
A2.14.4.1.2	Perform special instructions								-	-	-	-
A2.14.4.1.3	Coordinate releases								-	-	-	-
A2.14.4.2	Difficulty Reports (DIREPs)								A	-	-	-
A2.14.4.3	Heads Up Messages (HUMs)											
A2.14.4.3.1	Purpose of HUMs								A	-	-	-
A2.14.4.3.2	Use HUMs								-	B	-	-
A2.14.4.4	System Advisory Notices (SANs)											
A2.14.4.4.1	Purpose of SANs								A	-	-	-
A2.14.4.4.2	Use SANs								-	B	-	-
A2.14.4.5	Coordination (Downtime, special programs)											
A2.14.4.5.1	System administration procedures								-	B	-	-
A2.14.4.5.2	Use checklist to demonstrate notification process								-	-	-	-
A2.14.4.5.3	Monthly utilities								-	A	-	-
A2.14.4.6	IMDS Security											
A2.14.4.6.1	User-Id security								A	B	-	-
A2.14.4.6.2	Transaction Identifier Code (TRIC) security								A	B	-	-
A2.14.4.6.3	Assignment / Maintenance of user profiles								A	B	-	-
A2.14.4.6.4	Site Management Application (SIMAN)								-	A	-	-
A2.14.4.6.5	Defense Information Systems Agency (DISA) Form 41								A	-	-	-
A2.14.4.7	Verification / Repair Utilities											
A2.14.4.7.1	Use Database Look (DBLook)	*							2b	B	-	-
A2.14.4.7.2	Use LAF / FIQ	*							2b	B	-	-
A2.14.4.7.3	Use Prepare File Program (PRP)								-	B	-	-
A2.14.4.7.4	Use REMIS Reconciliation Program (NFS5B0)								-	B	-	-
A2.14.4.8	Executive Management Utilities TR: UP series											
A2.14.4.8.1	Query Language Processor (QLP) TR: UP 7830 7493-000, 7845-0000											
A2.14.4.8.1.1	Use conversation QLP								2b	B	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.14.4.8.1.2 Perform QLP report writing	*R							2b	B	3c	-
A2.14.4.8.1.3 Use Structured Query Language								-	B	3c	-
A2.14.4.8.1.4 Use QLP with update								-	B	-	-
A2.14.4.8.1.5 Use macros / procedures								-	B	-	-
A2.14.4.8.2 Interactive Query Utility (IQU) TR: UP 1000-1002											
A2.14.4.8.2.1 Use conversational IQU								-	-	-	-
A2.14.4.8.2.2 Use IQU programming								-	-	-	-
A2.14.4.8.2.3 IQU Data Manipulation Language (DML) update commands								-	-	-	-
A2.14.4.8.2.4 Use Structured Query Language (SQL)								-	-	-	-
A2.14.4.8.3 Interactive Processing Facility (IPF) TR: UP 9613.5, 9615.4a											
A2.14.4.8.3.1 Use IPF	*							2b	-	-	-
A2.14.4.8.3.2 Complete IPF tutorial		*						-	-	-	-
A2.14.4.8.3.3 Use Structured Query Language (SQL)								-	-	-	-
A2.14.4.8.4 Use Executive Control Language (ECL)	*							1a	B	2b	-
A2.14.4.8.5 Use Console mode (CONS)								2b	B	-	-
A2.14.4.8.6 Use Universal Data Systems Monitor (UDSMON)								-	B	-	-
A2.14.4.8.7 Use Disk Utility (DSKUTL)								-	-	-	-
A2.14.5 IMDS Reports											
A2.14.5.1 Process on-line inquiries	*							2b	B	-	-
A2.14.5.2 Process background reports	*							2b	B	-	-
A2.14.5.3 Generated Runstreams (GENRUN)											
A2.14.5.3.1 Build a GENRUN routine	*							2b	B	-	-
A2.14.5.3.2 Run a GENRUN routine	*							2b	B	-	-
A2.14.5.3.3 Maintain a GENRUN file	*							2b	B	-	-
A2.14.6 G081 System (CAMS for Mobility) TR: Applicable MAJCOM manuals											
A2.14.6.1 Login to IMSA and IMSB								2b	B	-	-
A2.14.6.2 Assist customers with technical problems								-	-	-	-
A2.14.6.3 G081 database structure								-	A	-	-
A2.14.6.4 G081 database layout								-	A	-	-
A2.14.6.5 Subsystem familiarization								-	-	-	-
A2.14.6.6 Use MDD programs (9099 / 9050)								2b	-	-	-
A2.14.6.7 Interactive Communication Interface (ICI) for ILSS interface								-	-	-	-
A2.14.6.8 G081 Management											
A2.14.6.8.1 Submit and evaluate deficiency reports (529s)								-	B	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	
A2.14.6.8.2	Coordinate system deficiency reports								-	-	-	-
A2.14.6.8.3	Coordination (downtime, special programs)								-	-	-	-
A2.14.6.8.4	Schedule deadline jobs (9029a)								-	-	-	-
A2.14.6.8.5	Printer location control (9072)								-	-	-	-
A2.14.6.9	G081 Security											
A2.14.6.9.1	User-Id security (9057/9057c)								A	B	-	-
A2.14.6.9.2	Program access security								A	B	-	-
A2.14.6.10	FOCUS											
A2.14.6.10.1	Execute FOCUS retrievals								-	-	-	-
A2.14.6.10.2	Change FOCUS retrievals								-	-	-	-
A2.14.6.10.3	Move FOCUS retrievals								-	-	-	-
A2.14.6.10.4	Update FOCUS retrievals								-	-	-	-
A2.14.6.11	G081 Time Sharing Option (TSO) Utilities											
A2.14.6.11.1	Log on								-	-	-	-
A2.14.6.11.2	Security and administration functions								-	-	-	-
A2.14.6.11.3	VTAM printing system								-	-	-	-
A2.14.6.11.4	Use flasher spool display								-	-	-	-
A2.14.7	Reliability and Maintainability Information System (REMIS) TR: AFCSM 25-524 vol 1 - 8											
A2.14.7.1	Product Performance Subsystem (PPS)								A	A	-	-
A2.14.7.2	Equipment Inventory Multiple Status Utilization Reporting Subsystem (EIMSURS)								A	A	-	-
A2.14.7.3	Generic Configuration Status Accounting System (GCSAS)								A	A	-	-
A2.14.7.4	REMIS ad hoc queries								A	A	-	-
A2.17.7.5	Process reports								a	-	-	-
A2.14.8	Enterprise Data Warehouse (EDW)											
A2.14.8.1	Purpose and use of EDW								A	-	-	-
A2.14.8.2	Perform login / logout procedures								-	-	-	-
A2.14.8.3	Use corporate reports								-	-	-	-
A2.14.8.4	Create / save user reports								-	-	-	-
A2.14.8.5	Mail reports to other EDW users								-	-	-	-
A2.14.9	Enterprise Database Management											
A2.14.9.1	Monitor SHM daily status								-	-	-	-
A2.14.9.2	Troubleshoot and correct SHM problems								-	-	-	-
A2.14.9.3	Manually start SHM								-	-	-	-
A2.14.9.4	Monitor and manage the amount of JDD history maintained in RDMS and DMS								-	-	-	-

1. Tasks, Knowledge And Technical References	2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	
	5	7										
A2.14.9.5	Balance amount of data available with system performance								-	-	-	-
A2.14.9.6	Set DMS and RDMS history amounts based on user requirements and system performance								-	-	-	-
A2.14.9.7	Monitor monthly RDMS SHM status								-	-	-	-
A2.14.9.8	Archive data removed from RDMS								-	-	-	-
A2.14.9.9	Ensure integrity of RDMS JDD tables								-	-	-	-
A2.14.9.10	Use NDA500								-	-	-	-
A2.14.9.11	Use Data Management Utility (DMU)								-	-	-	-
A2.14.9.12	Use Database Editor (DBE)								-	-	-	-
A2.14.9.13	Interactive Recovery Utility (IRU)											
A2.14.9.13.1	Perform database reload								-	-	-	-
A2.14.9.13.2	Perform system recovery								-	-	-	-
A2.14.9.13.3	Make decisions for appropriate use of reload / recovery								-	-	-	-
A2.14.9.13.4	Perform database save								-	-	-	-

## ***Section B - Course Objective List***

**1. Measurement.** Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective consists of a condition, behavior, and standard that states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc.). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter codes(s) to identify how it is measured. All objectives use the PC code that indicates a progress check is used to measure subject or task knowledge. “W” indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. “PC/W” indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

**2. Standard.** The standard for written examinations is 72%. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student’s progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

**3. Proficiency Level.** Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section A of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the “2b” proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. For tasks that are taught to the “3c” proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

**4. Course Objectives.** A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to 360 TRS/TRR, 913 J Avenue, Sheppard AFB TX 76311-2352 or contact the OPR by telephone at DSN 736-3612.

**4.1. Course J3ABR2R031 004, Maintenance Management Apprentice,** includes basic fundamentals such as introduction to computers, maintenance management, and data processing techniques. Use of automated data systems covers maintenance data collection, Integrated Maintenance Data System (IMDS) and G081 (CAMS for Airlift), on-line inquiries and background reports, maintenance discrepancy documentation, and console commands. It also covers database management support which includes schema/subschema, executive management utilities, upload and download files, file inquiries and repair utilities, and system support functions. High level database query programming and application covers Query Language

Processor (QLP). This course also covers conversational QLP writing retrieval reports. Computer applications using Microsoft Windows, including Word, Excel, Access, Powerpoint, Outlook, and other Windows utilities are also taught. Statistical applications covers maintenance performance indicators, descriptive statistics, statistical process control, and predictive analysis. The course also teaches the analysis process.

**4.2. Course J3AZR2R051 004**, Maintenance Management Analysis Supplemental, includes database error correction using DBLook, NFS5B0, and TRICs FIX and PRP. It covers QLP report writer, and QLP with Update. It also covers advanced maintenance statistics using descriptive statistics and statistics inference. The analysis process implementation covers data collection, verification, data analysis and report creation to prepare the analyst to present briefings.

**4.3. Course J3ACR2R071 006**, Maintenance Management Analysis Craftsman (ANG/AFRC), includes advanced QLP programming focusing on QLP Report Writer, Structured Query Language (SQL) commands, and advanced analysis process techniques on data collection, verification, data analysis and report creation.

**4.4. Course J3ACR2R071 007**, Maintenance Management Analysis Craftsman, includes advanced QLP programming focusing on QLP Report Writer, Structured Query Language (SQL) commands, and advanced analysis process techniques. This course explores the analysis process on a higher level in its various stages - data collection, verification, data analysis, and report creation - to effectively prepare and present maintenance briefings and special studies.

### ***Section C - Support Material***

**5.** There are no support materials for the 2R0X1 career field.

### ***Section D - Training Course Index:***

**6. Purpose:** This section of the CFETP identifies training courses available for the specialty and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the OPR at:

360 TRS/TRR  
913 J Avenue  
Sheppard AFB TX 76311-2352  
DSN 736-3612.

**6. Air Force In-Resident Courses.**

COURSE NO.	COURSE TITLE	LOCATION	USER
J3ABR2R031 005	Maintenance Management Analysis Apprentice	Sheppard AFB, TX	USAF
J3AZR2R051 004	Maintenance Management Analysis Supplemental	Sheppard AFB, TX	USAF
J3ACR2R071 007	Maintenance Management Analysis Craftsman	Sheppard AFB, TX	USAF
J3ACR2R071 006	Maintenance Management Analysis Craftsman (ANG/AFRC)	Sheppard AFB, TX	USAF

**8. Extension Course Institute (ECI) Courses.**

For further information on the following courses, contact the OPR at:

360 TRS/TRR  
 913 J Avenue  
 Sheppard AFB TX 76311-2352  
 DSN 736-3612/3323.

COURSE NO.	COURSE TITLE	User
CDC 2R051	Maintenance Management Analysis Journeyman	USAF
CDC 2RX7X	Maintenance Management Craftsmen	USAF

**9. Exportable Courses.**

For further information on the following exportable courses, contact the OPRs at:

81 TRSS/TTTI  
 844 Phantom St. STE 102  
 Keesler AFB, MS 39534-2064  
 DSN 597-2985.

COURSE NO.	COURSE TITLE	OPR	User
E6AZU2EXXX 000	Ground Communications-Electronics (C-E) CAMS (CAI)	81 TRSS	USAF
E6AZU3C051 001	Computer Operator Training (2200/400)	81 TRSS	USAF
E6AZU3C032 002	Executive Control Language (ECL)	81 TRSS	USAF
E6AZU3C032 005	COBOL 74 Programming	81 TRSS	USAF
E6AZU3C032 000	Introduction to Data Processing	81 TRSS	USAF
E6AZU3C032 003	Basic Language Programming	81 TRSS	USAF

### 10. Other Supplemental Courses.

The following course is available from HQ SSG/LGM, 600 Spatz St., Maxwell AFB, Gunter Annex, AL 26114-3226, DSN 596-1686.

COURSE NO.	COURSE TITLE	OPR	User
No Course Number	CAMS Database Manager Course	HQ SSG/LGM	USAF

### 11. Training Detachment (TD) Courses.

There are no TD courses for the 2R0X1 career field.

### 12. REMIS Courses

The following courses are provided by MSG/SRI, OPR: Susie Kelly, DSN: 787-5078/5076.

COURSE NO.	COURSE TITLE	OPR	User
E10SH33S3C-011	REMIS TALK	MSG/ILMR	USAF
E10SH33S3C-009	REMIS USERS	MSG/ILMR	USAF

### *Section E - MAJCOM Unique Requirements*

13. For MAJCOM unique requirements, refer to the MAJCOM mandatory course lists.

- CAF MCL <https://lg.acc.af.mil/lgq/lgqt/NEWLGQTHOME.htm>.
- MAF MCL <https://amclg.scott.af.mil/lgm/lgmm/lgmmt/hello.html>