

*QUALITY ASSURANCE  
(KC-135)*

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**1. Objective.** As prescribed in AFI 38-201, *Determining Manpower Requirements*, formerly designated as AFR 8-10, this Air National Guard Manpower Standard (ANGMS) quantifies the full-time manpower required to accomplish the tasks described in the work center description for varying levels of workload volume.

**2. Authority.** Air National Guard (ANG) Regulation 66-14, *Maintenance Management*, 13 July 1988, contains policy and procedural guidance for the Quality Assurance work center. This ANGMS was developed in accordance with the functional review procedures depicted in AFPAM 38-208V1, *Air Force Management Engineering Program (MEP) Processes*, formerly AFR 25-5.

**3. Applicability.** This standard applies to all ANG KC-135 units with an established Quality Assurance function. This standard applies to peacetime operations only.

**4. Standard Data:**

- a. Classification. Type III.
- b. Approval Date. 25 November 1992.
- c. Man-Hour Data Source. Operational Audit (historical records and technical estimate techniques).
- d. Standard Man-Hour Equation.  $Y = 9.544 + 2.064X$ .
- e. Workload Factor:
  - (1) Title. A Programmed Flying Hour.
  - (2) Definition. The average monthly programmed flying hours.
  - (3) Source of Count. USAF Program Document, Volume II, maintained by NGB/FM.

**5. Application Instructions:**

- a. The valid man-hour range for this ANGMS is 396.43 through 663.89.
- b. The application instructions are as follows:
  - (1) Obtain the most current workload factor value for the workload factor as outlined in paragraph 4e above.
  - (2) Substitute this value in the man-hour equation for X and divide the resulting man-hours by the current civilian Man-Hour Availability Factor to determine requirements.
  - (3) Use the man-hour break point table developed by HQ USAF/PRQE to determine the whole manpower requirements.
  - (4) On AF Form 1113, Manpower Requirement column, find the column which represents the number of whole manpower requirements. Read up and down the column and across to the Air Force Specialty Title column to determine requirements by Air Force Specialty Code.

**6. Statement of Conditions:**

- a. There were no general conditions (environment, equipment, or facility) which had an impact on the development or application of this manpower standard.
- b. There were no approved enhancements that impacted the man-hour equation for this manpower standard.

**DONALD W. SHEPPERD**  
**Major General, USAF**  
**Director, Air National Guard**

**OFFICIAL**

**DEBORAH GILMORE**  
**Acting Chief**  
**Administrative Services**

**2 Attachments**  
**1. Work Center Description**  
**2. Standard Manpower Table**

**WORK CENTER DESCRIPTION**  
**Quality Assurance**  
**(KC-135)**

**DIRECT:**

**1. INSPECTION PROGRAM:**

**1.1. PERFORMS QUALITY VERIFICATION INSPECTION (QVI).** Performs QVI to verify satisfactory equipment condition following maintenance performed during fix or inspection action. Prepares inspection form.

**1.1.1. PERFORMS 50-HOUR POST-FLIGHT INSPECTION.**

**1.1.2. PERFORMS PREFLIGHT INSPECTION.**

**1.1.3. PERFORMS THRU-FLIGHT INSPECTION.**

**1.1.4. PERFORMS PERIODIC INSPECTION (250 HOUR).**

**1.1.5. PERFORMS MISCELLANEOUS INSPECTION.**

**1.1.6. PERFORMS ENGINE AND AIRCRAFT LUBE/WASH/CORROSION CONTROL INSPECTION.**

**1.1.7. PERFORMS CLEANLINESS INSPECTION.**

**1.1.8. PERFORMS ENGINE INSTALLATION INSPECTION.**

**1.1.9. PERFORMS POWERED AEROSPACE GROUND EQUIPMENT (AGE) INSPECTION.**

**1.1.10. PERFORMS NONPOWERED AGE INSPECTION.**

**1.1.11. PERFORMS REFURBISH INSPECTION.**

**1.1.12. PERFORMS ENGINE INSPECTION.**

**1.1.13. PERFORMS ENGINE QUICK ENGINE CHANGE KIT INSPECTION (PRIOR TO ENGINE INSTALLATION).**

**1.1.14. PERFORMS FIRE BOTTLE INSPECTION.**

**1.1.15. PERFORMS FUNCTIONAL CHECK FLIGHT REVIEW UPON RETURN OF AIRCRAFT.**

**1.2. INSPECTS WORKCARD, CHECKLIST, CODE MANUAL, LOCAL PUBLICATION, OR MAINTENANCE OPERATING INSTRUCTION (MOI).**

**1.3. DEVELOPS AND MAINTAINS LOCAL WORKCARD OR CHECKLIST.**

**1.4. PERFORMS SPECIAL INSPECTION.** Performs special recurring inspection to determine equipment condition or procedural compliance as directed by higher headquarters, Air Logistics Center, or local Deputy Commander for Maintenance.

**1.4.1. PERFORMS INSPECTION ON COMPOSITE TOOL KIT.**

**1.4.2. PERFORMS HOUSEKEEPING INSPECTION.** Performs periodic inspection of maintenance facility, including inspection for adequacy of housekeeping, identification of safety and fire hazard, and identification of equipment and facility condition requiring maintenance and repair. Inspects assigned flight line area, dock, or maintenance equipment. Prepares report and recommendation for corrective action.

**1.4.3. PERFORMS VEHICLE INSPECTION.**

**1.4.4. PERFORMS, INITIATES, AND VERIFIES ONE-TIME DIRECTED INSPECTION.**

**1.4.5. PERFORMS MOCK-UP INSPECTION.**

**1.4.6. PERFORMS SHOP EQUIPMENT INSPECTION.**

**1.4.7. PERFORMS USER CALIBRATION INSPECTION.**

**1.4.8. PERFORMS TECHNICAL ORDER SUBACCOUNT INSPECTION.**

**1.4.9. PERFORMS DOCUMENTATION INSPECTION.**

**1.4.10. PERFORMS TIME COMPLIANCE TECHNICAL ORDER (TCTO) INSPECTION.**

**1.5. ACCOMPLISHES SPECIAL PROGRAM.** Accomplishes special program to ensure and enhance the quality within maintenance activity.

**1.5.1. ACCOMPLISHES SAFETY PROGRAM.**

**1.5.2. ACCOMPLISHES FOREIGN OBJECT DAMAGE PROGRAM.**

**1.5.3. ACCOMPLISHES DROPPED OBJECT PROGRAM.**

**1.5.4. PERFORMS AS GENERATION EXERCISE MONITOR.**

**1.5.5. MAINTAINS MASTER FILE FOR THE SELF-INSPECTION/CROSS-FEED/CROSS-TELL PROGRAM.**

**1.5.6. MANAGES IMPOUNDMENT PROGRAM.**

**1.5.7. INVESTIGATES/INITIATES REFERRAL FROM MAINTENANCE ANALYSIS.**

**1.5.8. INVESTIGATES ABORT/INCIDENT.**

**1.5.9. MANAGES WEIGHT AND BALANCE PROGRAM.**

**1.5.10. REVIEWS TCTO PROGRAM:**

**1.5.10.1. DETERMINES APPLICABILITY.**

**1.5.10.2. DISTRIBUTES TCTO TO APPROPRIATE WORK CENTER AND BASE AGENCY.**

**1.5.10.3. PERFORMS INITIAL TCTO COMPLIANCE INSPECTION AND FOLLOWS UP IF REQUIRED.**

**1.5.10.4. REVIEWS PROGRAM.** Reviews technical, managerial, and documentation related aspect of program. Identifies deficiency to appropriate agency.

**1.5.11. MANAGES AIRCRAFT ACCEPTANCE PROGRAM.**

**1.5.12. PERFORMS AS MODIFICATION PROGRAM FOCAL POINT.**

**1.5.13. ENSURES CONFIGURATION MANAGEMENT OF AIRCRAFT/EQUIPMENT IS MAINTAINED.**

**1.6. ADMINISTERS PRODUCT IMPROVEMENT PROGRAM.** Administers Product Improvement Program to ensure the quality of material and publication.

**1.6.1. MANAGES MATERIAL DEFICIENCY PROGRAM.**

**1.6.2. PREPARES AFTO FORM 22, TECHNICAL ORDER (TO) SYSTEM PUBLICATION IMPROVEMENT REPORT.** Performs critical review and resubmits as necessary.

**1.6.3. ADMINISTERS SOURCE, MAINTENANCE, AND RECOVERABILITY CODE CHANGE REQUEST.**

**1.7. PERFORMS MANAGEMENT INSPECTION/FOLLOW-UP INSPECTION.** Performs management inspection to ensure compliance with published directive and conducts follow-up.

**1.8. ADMINISTERS FUNCTIONAL CHECK FLIGHT/HIGH-SPEED TAXI PROGRAM.**

**2. DEPOT/CONTRACT FIELD TEAM PROGRAM.** Performs as focal point for depot/contract field team to ensure the quality of depot/contract maintenance.

**2.1. PERFORMS AS PROJECT OFFICER.**

**2.2. PERFORMS AS QUALITY CONTROL REPRESENTATIVE.**

**2.3. REQUESTS DEPOT ASSISTANCE.**

**3. SPECIAL PLANNING OR SCHEDULING.** Performs planning or scheduling associated with preparation for unit training assembly, annual tour, mobility participation, battle damage program, or other special program.

**4. QUALITY CONTROL CENTRAL TO FILE.** Manages TO distribution system to ensure currency of technical data within the maintenance complex.

**4.1. ESTABLISHES FILE.** Establishes file and maintains quality control and subaccount functional technical order file.

**4.2. REQUISITIONS PUBLICATION.**

**4.3. DISTRIBUTES TO.** Provides initial distribution and redistribution activity for aircraft maintenance subaccount and quality control.

**4.4. MAINTAINS MASTER AUTOMATED/MANUAL RECORD SET FOR TO FILE.**

**5. MOI PROGRAM.** Reviews MOI for administrative accuracy, technical content, and necessity. Coordinates with affected activity.

**6. TECHNICAL GUIDANCE.** Interprets technical data from other agency. Acts as focal point for maintenance agency for interpretation of TO data and provides guidance.

**7. CONTINGENCY/EXERCISE.** Supports contingency/exercise.

**8. MAINTENANCE AUTOMATED SYSTEM.** Makes input to Maintenance Management Information Control System/Core Automated Maintenance System (MMICS/CAMS). Retrieves, analyzes, and reconciles data.

**9. STAFF ASSISTANCE VISIT.** Performs staff assistance visit to collocated/noncollocated subordinate unit.

**INDIRECT:** Indirect work involves those tasks that are not readily identifiable with the work center's specific product or service. The major categories of standard indirect work are Supervision, Administration, Meeting, Training, Supply, Equipment Maintenance, and Cleanup. See AFMS 00AA for the standard indirect description.

STANDARD MANPOWER TABLE										
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE							
QUALITY ASSURANCE/FAC 21100C			396.43 - 663.89							
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
Aircraft Maintenance	452XX	CIV	2	3	4					
*Information Mgt	702X0	CIV	1	1	1					
<b>TOTAL</b>			<b>3</b>	<b>4</b>	<b>5</b>					
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
<b>TOTAL</b>										

**BY ORDER OF THE CHIEF,  
NATIONAL GUARD BUREAU**

**CHANGE 1 TO ANGMS 21100C  
13 FEBRUARY 1996**

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(KC-135)**

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**ANGMS 21100C, 23 November 1994, is changed as follows:**

**SUMMARY OF CHANGES**

Incorporates change to AF Form 1113.

**Page-Insert Changes. New or revised material is indicated by an asterisk(\*).**

<b>Remove</b>	<b>Date</b>	<b>Insert</b>
<b>7</b>	<b>23 Nov 94</b>	<b>7</b>

**DONALD W. SHEPPERD  
Major General, USAF  
Director, Air National Guard**

**OFFICIAL**

**DEBORAH GILMORE  
Chief  
Administrative Services**

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