

1. Objective. This standard is published as prescribed in AFI 38-201, *Determining Manpower Requirements*. 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.

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

3. Applicability. Applies to all ANG Fighter Wings and Groups possessing F-16 C/D models. This standard applies to peacetime operations only.

4. Standard Data:

- a. Classification. Type II.
- b. Approval Date. 15 June 1994.
- c. Man-hour Data Source. Operational Audit method (historical record and technical estimate techniques).
- d. Standard Man-hour Equation. $Y = 8.208 + 1.461X$.
- e. Workload Factor:
 - (1) Title. A Programmed Flying Hour.
 - (2) Definition. The average monthly flying hours.
 - (3) Source. USAF Program Document, Volume II, maintained by NGB/FM.

5. Application Instructions:

- a. The valid man-hour range for this ANGMS is 371.41 through 808.05.
- b. This ANGMS is appropriate for use with all peacetime civilian man-hour availability factors.
- c. Determine the whole manpower requirements for this work center by substituting the appropriate workload value in paragraph 4e for the X value in the man-hour equation in paragraph 4d. The resultant number will be divided by the current civilian man-hour availability factor which will produce fractional manpower requirements. Use the fractional manpower table provided by ANGRC/XPME to determine requirements.
- d. Refer to attachment 2, AF Form 1113, Standard Manpower Table, to determine specific Air Force specialties.

6. Statement of Conditions. The conditions listed below had no effect on the development of this standard, nor will they affect future applications. Analyses of these levels of service indicate no manpower impact:

- a. Minimum response rates.
- b. Minimum manpower levels.
- c. Standardized crew complements.
- d. Safety considerations.
- e. Aircraft turn-around time.
- f. Length of waiting periods.
- g. Levels of backlog.
- h. Hours of operation.

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

OFFICIAL

DEBORAH GILMORE
Chief
Administrative Services

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

WORK CENTER DESCRIPTION

Fuel Systems (F-16 C/D)

DIRECT:

1. ON-EQUIPMENT MAINTENANCE:

1.1. MAINTAINS AIRCRAFT FUEL SYSTEM AND COMPONENT. Inspects, troubleshoots, repairs, adjusts, removes, replaces, modifies, and performs functional check on-equipment.

1.1.1. MAINTAINS AIRFRAME SECTION:

1.1.1.1. MAINTAINS FORWARD FUSELAGE SECTION.

1.1.1.2. MAINTAINS CENTER SECTION.

1.1.1.3. MAINTAINS AFT FUSELAGE SECTION.

1.1.1.4. MAINTAINS LEFT AND RIGHT WING ASSEMBLY.

1.1.2. MAINTAINS AUXILIARY POWER PLANT (EPU) AND JET FUEL STARTER.

1.1.3. SERVICES HYDRAZINE TANK.

1.1.4. MAINTAINS EPU INSTRUMENT.

1.1.5. MAINTAINS ENGINE SUPPLY SYSTEM.

1.1.6. MAINTAINS REFUEL AND DEFUEL SYSTEM.

1.1.7. MAINTAINS PRESSURE EXPLOSION SUPPRESSION SYSTEM.

1.1.8. MAINTAINS WING TANK SYSTEM.

1.1.9. MAINTAINS FUEL INDICATING AND CONTROL SYSTEM.

1.1.10. MAINTAINS EXTERNAL FUEL TANK SYSTEM.

1.2. PERFORMS INSPECTION. Performs special, phase, and hourly aircraft inspection.

1.2.1. PERFORMS SPECIAL INSPECTION.

1.2.2. PERFORMS PHASE INSPECTION.

1.2.3. PERFORMS HOURLY INSPECTION.

2. OFF-EQUIPMENT MAINTENANCE:

2.1. MAINTAINS AIRCRAFT FUEL SYSTEM AND COMPONENT. Inspects, troubleshoots, repairs, adjusts, modifies, and performs functional check off-equipment.

2.1.1. MAINTAINS AIRFRAME SEAL PLANE.

2.1.2. MAINTAINS AUXILIARY POWER UNIT:

2.1.2.1. RESPONDS TO AUXILIARY POWER UNIT FIRINGS AND LEAKS.

2.1.2.2. MAINTAINS HYDRAZINE RESPONSE TEAM EQUIPMENT.

2.1.2.3. TRAINS HYDRAZINE RESPONSE TEAM AUGMENTEES.

2.1.3. MAINTAINS ENGINE SUPPLY SYSTEM.

2.1.4. MAINTAINS REFUEL AND DEFUEL SYSTEM.

2.1.5. MAINTAINS PRESSURE EXPLOSION SUPPRESSION SYSTEM.

2.1.6. MAINTAINS FUEL INDICATING AND CONTROL SYSTEM.

2.1.7. MAINTAINS EXTERNAL FUEL TANK SYSTEM.

3. NONPOWERED AEROSPACE GROUND EQUIPMENT (AGE) AND SHOP INDUSTRIAL EQUIPMENT MAINTENANCE. Inspects and repairs nonpowered AGE and shop industrial equipment.

4. RAPID TANK BUILDUP TEAM. Maintains all equipment and trains augmentees for the Rapid Tank Buildup Team.

5. TECHNICAL ORDER SUBACCOUNT MAINTENANCE. Receives and posts data and change to technical order file. Maintains file for serviceability.

6. GENERAL SHOP SUPPORT. Performs shop support to include local manufacture items.

7. TIME COMPLIANCE TECHNICAL ORDER (TCTO) MAINTENANCE. Performs maintenance required on and off the aircraft in accordance with applicable TCTO and completes documentation.

8. FUEL SYSTEM REPAIR FACILITY MANAGEMENT. Performs inspection and maintenance of facility system.

8.1. PERFORMS INSPECTION:

8.1.1. PERFORMS DAILY INSPECTION.

8.1.2. PERFORMS WEEKLY INSPECTION.

8.1.3. PERFORMS MONTHLY INSPECTION.

8.1.4. PERFORMS ANNUAL INSPECTION.

8.2. PERFORMS MAINTENANCE.

9. DOCUMENTATION. Enters data into computer systems and maintains aircraft documentation.

10. HAZARDOUS WASTE MANAGEMENT PROGRAM:

10.1. PROCESSES HAZARDOUS WASTE. Identifies, labels, contains, and disposes of hazardous waste.

10.2. MAINTAINS COLLECTION FACILITY. Maintains hazardous waste accumulation point, satellite collection area, and container.

10.3. MAINTAINS PROTECTIVE EQUIPMENT. Inspects and maintains protective equipment.

11. UNIT TRAINING ASSEMBLY (UTA) PREPARATION. Performs planning and scheduling task associated with preparation for UTA.

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

STANDARD MANPOWER TABLE										
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE							
Fuels/ 2332CD			371.41 - 808.05							
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
Acft Fuel Sys	2A6X4	Civ	3	4	5	6				
TOTAL			3	4	5	6				
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
TOTAL										