BY ORDER OF THE CHIEF,
NATIONAL GUARD BUREAU

ANGMS 23110D
24 NOVEMBER 1994

METALS TECHNOLOGY

(F-16)

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1. Objective. As prescribed in AFI 38-201, *Determining Manpower Requirements*, this Air National Guard Manpower Standard (ANGMS) quantifies the manpower required to accomplish the tasks described in the work center description.

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

3. Applicability. Applies to ANG F-16 Fighter Wings, Groups, and the 114th Fighter Squadron. Excludes the 162nd Fighter Group and the 184th Fighter Group. This standard applies only to peacetime operations.

4. Standard Data:
a. Classification. Type III.
b. Approval Date. 1 August 1992.
c. Man-hour Data Source. Operational Audit method (historical record and technical estimate techniques).
d. Standard Man-hour Equation. Y = -157.9 + 18.68X.
e. Workload Factor:
(1) Title. An F-16 Aircraft Authorized.
(2) Definition. The average monthly F=16 aircraft authorized.
(3) Source. USAF Program Document, Volume II, maintained by NGB/FM.

5. Application Instructions:
a. The valid man-hour range for this ANGMS is 161.74 through 409.64.
b. This ANGMS is appropriate for use with all peacetime civilian man-hour availability factors.
c. Determine the whole manpower requirements for this workcenter and refer to the appropriate column in the standard manpower table at attachment 2 to determine the required specialities.

6. Statement of Conditions.
a. There were no general conditions (environmental, 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 manpower equation for this work center.

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

OPR: ANGRC/XPME (Ms. D. Reamy)

Certified by: NGB/CF (Col P.S. Kimmel)
Pages: 4/Distribution: F, X

WORK CENTER DESCRIPTION

Metals Technology

(F-16)

DIRECT:

1. ON-EQUIPMENT:

1.1. PERFORMS METALS PROCESSING. Inspects, troubleshoots, evaluates damage, designs, manufactures, modifies, and repairs aircraft component and related support equipment.

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. Inspects, troubleshoots, evaluates damage, designs, manufactures, modifies, and repairs aircraft component and related support equipment.

3. WELDING OPERATION:

3.1. PERFORMS WELDING OPERATION. Inspects, bench checks, and evaluates component. Repairs and determines disposition.

3.1.1. WELDS AIRCRAFT AIRFRAME COMPONENT.

3.1.2. WELDS AIRCRAFT LANDING GEAR COMPONENT.

3.1.3. WELDS AIRCRAFT FLIGHT CONTROL COMPONENT.

3.1.4. WELDS AIRCRAFT TURBO PROP POWER PLANT COMPONENT.

3.1.5. WELDS AIR CONDITIONING, PRESSURIZATION, AND SURFACE ICE CONTROL COMPONENT.

3.1.6. WELDS AIRCRAFT AUXILIARY POWER PLANT.

3.2. WELDS AND REPAIRS AEROSPACE GROUND EQUIPMENT/SHOP INDUSTRIAL EQUIPMENT.

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

5. MAINTENANCE ASSISTANCE. Assists other maintenance function in the performance of direct labor maintenance requirement to ensure the effective use of maintenance personnel.

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

7. METAL SALVAGE PROGRAM. Disposes of scrap metal and documents action.

8. COMPOSITE TOOL KIT (CTK) MAINTENANCE. Performs start and end of day inspection. Maintains CTK by inspecting for serviceability, performing corrosion control, and replacing tool.

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

10. 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 Metals Technology/23110D			APPLICABILITY MAN-HOUR RANGE 161.74 - 409.64								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Acft Metals Technology	458X0	Civ	2	3							
TOTAL			2	3							
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
TOTAL											

AF FORM 1113, Jun 91 (COMPUTER GENERATED). PREVIOUS EDITION IS OBSOLETE.