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 volume.

2. Authority. Air National Guard Regulation 66-14, *Maintenance Management*, 13 July 1988, contains policy and procedural guidance for the Inspection 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 mission design series (MDS) aircraft. 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. $Y = 398.6 + 1.633X$.
e. Workload Factor:
(1) Title. A Programmed Flying Hour.
(2) Definition. The average monthly programmed flying hours for ANG F-16 C/D MDS aircraft.
(3) Source. USAF Program Document, Volume II, maintained by NGB/FM.

5. Application Instructions:

a. The valid man-hour range for this ANGMS is 707.17 through 1389.85.
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 described in paragraph 4e for the X-value in the man-hour equation shown 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 total whole-man requirements.
d. Refer to attachment 2, AF Form 1113, Standard Manpower Table, to determine the specific Air Force specialties.

6. Statement of Conditions. This standard reflects requirements to support a 200-flying hour interval between phases for each F-16 aircraft authorized. The conditions listed below had no affect 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. 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

Inspection
(F-16 C/D)

DIRECT:

1. AIRCRAFT INSPECTION:

1.1. PERFORMS LOOK PHASE OF SCHEDULED INSPECTION. Attends prephase and postphase dock meeting. Performs aircraft scheduled phase inspection.

1.1.1. PERFORMS AIRCRAFT PHASE ONE INSPECTION.

1.1.2. PERFORMS AIRCRAFT PHASE TWO INSPECTION.

1.1.3. PERFORMS AIRCRAFT PHASE THREE INSPECTION.

1.1.4. PERFORMS AIRCRAFT PHASE FOUR INSPECTION.

1.2. PERFORMS SPECIAL INSPECTION. Performs workload associated with special inspection.

1.3. PERFORMS GROUND HANDLING AND SERVICE OF AIRCRAFT SYSTEMS. Performs ground handling and servicing before and after phase inspection.

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

3. FIX PHASE MAINTENANCE. Troubleshoots, removes, replaces, adjusts, repairs, and functional checks system or component. Researches and orders part. Completes documentation.

3.1. PERFORMS AIRFRAME MAINTENANCE.

3.2. PERFORMS CREW STATION SYSTEM MAINTENANCE.

3.3. PERFORMS LANDING GEAR SYSTEM MAINTENANCE.

3.4. PERFORMS FLIGHT CONTROL SYSTEM MAINTENANCE.

3.5. PERFORMS TURBOFAN POWER PLANT MAINTENANCE.

3.6. PERFORMS AUXILIARY POWER PLANT/JET FUEL STARTER MAINTENANCE.

3.7. PERFORMS ENVIRONMENTAL CONTROL SYSTEM MAINTENANCE.

3.8. PERFORMS ELECTRICAL POWER SUPPLY SYSTEM MAINTENANCE.

3.9. PERFORMS LIGHTING SYSTEM MAINTENANCE.

3.10. PERFORMS HYDRAULIC AND PNEUMATIC SYSTEM MAINTENANCE.

3.11. PERFORMS FUEL SYSTEM MAINTENANCE.

3.12. PERFORMS OXYGEN SYSTEM MAINTENANCE.

3.13. PERFORMS FLIGHT INSTRUMENT MAINTENANCE.

4. AIRCRAFT CLEANING. Performs aircraft cleaning to include after wash lubrication.

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

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

7. AIRCRAFT DOCUMENTATION ADMINISTRATION. Prepares and maintains aircraft documentation.

8. TECHNICAL DATA SUBACCOUNT MAINTENANCE. Receives and posts data and change to file. Maintains file for serviceability.

9. HAZARDOUS WASTE MANAGEMENT PROGRAM:

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

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

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

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 specific 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								
Inspection/2221CD			707.17 - 1389.85								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Aircraft Spec Purpose & Base Maint	2A3XX 472X1	CIV AGR	1 4	1 5	1 6	1 7	1 8				
TOTAL			5	6	7	8	9				
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
TOTAL											

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