

SURVIVAL EQUIPMENT

(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 Survival Equipment 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 II.
 - 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. $Y = 55.42 + 7.437X$.
 - e. Workload Factor:
 - (1) Title. 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 153.12 through 310.97.
 - 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 and refer to the appropriate column in the standard manpower table at attachment 2 to determine the required specialties.
 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 man-hour equation for this work center.

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

WORK CENTER DESCRIPTION**Survival Equipment****(F-16)****DIRECT:****1. EJECTION SEAT AIRCREW RECOVERY PARACHUTE MAINTENANCE:**

1.1. PERFORMS ANNUAL RECOVERY PARACHUTE SYSTEM INSPECTION. Unpacks, inspects, repacks parachute component, and completes documentation.

1.2. PERFORMS RECOVERY PARACHUTE SYSTEM REPAIR. Unpacks, repairs or modifies component, repacks, and completes documentation.

1.2.1. REPAIRS OR MODIFIES CANOPY SECTION.

1.2.2. REPAIRS OR MODIFIES SUSPENSION LINE.

1.2.3. REPAIRS OR MODIFIES RISER ASSEMBLY.

1.2.4. REPAIRS OR MODIFIES CONTAINER.

1.3. PERFORMS ACCEPTANCE INSPECTION OF RECOVERY PARACHUTE SYSTEM. Unpacks, inspects, repacks parachute component, and completes documentation.

2. DROGUE PARACHUTE MAINTENANCE:

2.1. PERFORMS DROGUE PARACHUTE INSPECTION. Unpacks, inspects, repacks drogue chute assembly, and completes documentation.

2.2. PERFORMS DROGUE PARACHUTE SYSTEM REPAIR. Unpacks, repairs or modifies component, repacks, and completes documentation.

2.2.1. REPAIRS OR MODIFIES CANOPY SECTION.

2.2.2. REPAIRS OR MODIFIES SUSPENSION LINE.

2.2.3. REPAIRS OR MODIFIES CONTAINER.

3. EMERGENCY AND FLOTATION EQUIPMENT MAINTENANCE:

3.1. PERFORMS INSPECTION ON EMERGENCY AND FLOTATION EQUIPMENT. Unpacks, performs inspection, repacks, and completes documentation.

3.1.1. INSPECTS LIFE PRESERVER.

3.1.2. INSPECTS LIFE RAFT.

3.2. PERFORMS EMERGENCY AND FLOTATION EQUIPMENT REPAIR. Repairs modifies, and completes documentation.

3.2.1. REPAIRS OR MODIFIES LIFE PRESERVER.

3.2.2. REPAIRS OR MODIFIES LIFE RAFT.

4. EQUIPMENT CONDEMNATION. Performs condemnation of unserviceable equipment and completes documentation.

5. FABRIC OR LEATHER PRODUCT MAINTENANCE:

5.1. PERFORMS AIRCRAFT FABRIC OR LEATHER WORK. Performs aircraft fabric or leather work to include tearing down, measuring, developing pattern, researching stock number, ordering, storing, cutting, and fitting material.

5.2. PERFORMS FABRIC OR LEATHER SERVICE ON NON-AIRCRAFT EQUIPMENT. Repairs or fabricates new item including tearing down, measuring, developing pattern, designing, researching stock number, ordering, storing, cutting, and fitting material.

5.3. MAINTAINS ORGANIZATIONAL FLIGHT CLOTHING. Maintains organizational flight clothing to include repairing and sewing of patch, velcro, name tag, reflective tape, and zipper. Includes aircrew chemical warfare ensemble and equipment.

5.4. MAINTAINS TORSO HARNESS. Performs initial build-up or modification.

5.5. MAINTAINS SURVIVAL VEST. Configures pocket or holster and sews in place. Repairs as required.

5.6. MAINTAINS ANTI-GRAVITY SUIT. Modifies suit to fit individual as required.

5.7. MAINTAINS ANTI-EXPOSURE SUIT. Repairs or modifies suit to fit individual as required.

6. EXPLOSIVE MAINTENANCE. Removes, inspects, stores, and replaces explosive item. Completes documentation.

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

8. TIME CHANGE ITEM (TCI) MAINTENANCE. Accomplishes TCI, performs functional check, and completes documentation.

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

10. SHOP INDUSTRIAL EQUIPMENT MAINTENANCE. Inspects and repairs shop industrial equipment.

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

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

13. 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					
Survival Equipment/23150D					153.12 - 310.97					
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
Fabrication and Parachute	458X3	Civ	1	2						
TOTAL			1	2						
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
TOTAL										