

5 February 1993

**INSPECTION**

**(C-141)**

1. **Objective.** As prescribed in AFR 8-10, this Air National Guard Manpower Standard (ANGMS) quantifies the full-time manpower requirement 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 contains ANG policy and procedural guidance for the Inspection work center. This ANGMS has been developed in accordance with procedures contained in AFR 25-5, 16 May 88.
3. **Applicability.** This standard applies to ANG C-141 Air Mobility Command gained flying units. This standard applies to peacetime operations only.
4. **Standard Data:**
  - a. **Classification.** Type III.
  - b. **Approval Date.** 4 Jan 93.
  - c. **Man-Hour Data Source.** Operational Audit (historical record and technical estimate techniques).
  - d. **Standard Man-Hour Equation.**  $Y = 109.8 + 216.9X$ .
  - e. **Workload Factor:**
    - (1) **Title.** A C-141 Aircraft Authorized.
    - (2) **Definition.** The average monthly C-141 aircraft authorized.
    - (3) **Source.** USAF Program Document (PD), Volume II, maintained by NGB/FM.
5. **Application Instructions:**
  - a. The valid man-hour range for this ANGMS is 1286.17 through 2143.61. Should the extrapolation limits be exceeded, see AFR 26-1, Volume III, paragraph 1-20 for guidance.
  - b. The AF Form 1113, Standard Manpower Table, is an aggregate of total manpower by specialty title and Air Force Specialty Code (AFSC). The applicable instructions are as follows:
    - (1) Determine the value for the workload factor (WLF) identified in paragraph 4e.
    - (2) Substitute the appropriate WLF value into the corresponding man-hour equation.
    - (3) Divide the total man-hours by the current civilian man-hour availability factor to determine total requirements.
    - (4) Find the column in which the total number of required authorizations fall; read up the column and across to determine manpower by AFSC.
  - c. Fractional manpower requirements resulting from application of this standard will not be aggregated.
6. **Statement of Conditions.** This work center's normal hours of operation are 8 hours a day, 5 days a week. There are no other standard of living constraints which affect the daily operation of this work center.

**PUBLISHED UNDER AUTHORITY OF THE SECRETARY OF THE AIR FORCE**

**JOHN B. CONAWAY**  
Lieutenant General, USAF  
Chief, National Guard Bureau

**OFFICIAL**

**E. DARDEN BAINES**  
Director  
Administrative Services

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

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**Approved by: Lt Gen Conaway**  
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**WORK CENTER DESCRIPTION****Inspection****(C-141)****DIRECT:****1. AIRCRAFT INSPECTION:**

**1.1. PERFORMS LOOK PHASE OF SCHEDULED INSPECTION.** Performs aircraft phase, periodic, and isochronal inspection.

**1.1.1. PERFORMS AIRCRAFT MAJOR INSPECTION.**

**1.1.2. PERFORMS AIRCRAFT MINOR INSPECTION.**

**1.1.3. PERFORMS HOME STATION CHECK INSPECTION OF AIRCRAFT.**

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

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

**3. FIX PHASE OF MAINTENANCE:** Troubleshoots and repairs system and component.

**3.1. PERFORMS AIRFRAME MAINTENANCE.**

**3.2. PERFORMS FUSELAGE COMPARTMENT NOSE EQUIPMENT AREA MAINTENANCE.**

**3.3. PERFORMS LANDING GEAR MAINTENANCE.**

**3.4. PERFORMS FLIGHT CONTROL MAINTENANCE.**

**3.5. PERFORMS TURBOFAN POWER PLANT MAINTENANCE.**

**3.6. PERFORMS AUXILIARY POWER PLANT MAINTENANCE.**

**3.7. PERFORMS MAINTENANCE ON AIR CONDITIONING, PRESSURIZATION, AND SURFACE ICE CONTROL SYSTEM.**

**3.8. PERFORMS MAINTENANCE ON ELECTRICAL POWER SUPPLY SYSTEM.**

**3.9. PERFORMS MAINTENANCE ON LIGHTING SYSTEM.**

**3.10. PERFORMS MAINTENANCE ON HYDRAULIC POWER SYSTEM.**

**3.11. PERFORMS MAINTENANCE ON FUEL SYSTEM.**

**3.12. PERFORMS MAINTENANCE ON OXYGEN SYSTEM.**

**3.13. PERFORMS MAINTENANCE ON MISCELLANEOUS UTILITY SYSTEM.**

**3.14. PERFORMS EMERGENCY EQUIPMENT MAINTENANCE.**

**4. AIRCRAFT CLEANING TO INCLUDE AFTER WASH LUBRICATION.** Performs aircraft cleaning to include after wash lubrication.

**5. AEROSPACE GROUND EQUIPMENT/SHOP INDUSTRIAL EQUIPMENT.** Maintains Aerospace Ground Equipment/Shop Industrial Equipment.

**6. GROUND HANDLING, SERVICING, AND RELATED TASK.** Performs ground handling, servicing, and related task.

7. **AIRCRAFT DOCUMENTATION.** Prepares and maintains aircraft documentation.
8. **DIRECT LABOR MAINTENANCE.** Assists in the performance of direct labor maintenance requirement to ensure the effective utilization of maintenance personnel.
9. **SHOP SUPPORT GENERAL CODE.** Performs shop support general code.
10. **UNIT TRAINING ASSEMBLY (UTA) AND MOBILITY REQUIREMENT.** Performs planning/scheduling task associated with preparation for UTA weekend and mobility requirement.
11. **COMPOSITE TOOL KIT (CTK) MAINTENANCE.** Performs maintenance on CTK to include scheduling of Precision Measuring Equipment for calibration. Ensures availability and serviceability of part/kit.

**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							
Inspection/22200A			1286.17 -2143.61							
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
Aircraft Maintenance	452XX	CIV	1	1	1	2	2	2		
Airlift Acft Maint	457X2	CIV	8	9	10	10	11	12		
<b>TOTAL</b>			<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>		
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
<b>TOTAL</b>										