

REPAIR AND RECLAMATION

(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 Repair and Reclamation work center. This ANGMS has been developed in accordance with procedures contained in AFR 25-5, 16 May 88. This ANGMS is a result of a functional review.

3. Applicability. This standard applies to ANG C-141 Air Mobility Command gained flying units. This standard applies only to peacetime operations.

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.** $Y = 22.26 + 11.94X_1 + 1.695X_2$.
- e. **Workload Factor:**
 - (1) **Title:**
 - (a) X_1 . A C-141 Aircraft Authorized.
 - (b) X_2 . A Programmed Flying Hour.
 - (2) **Definition:**
 - (a) X_1 . The average monthly C-141 aircraft authorized.
 - (b) X_2 . The average monthly programmed flying hours.
 - (3) **Source of Count:**
 - (a) X_1 . USAF Program Document (PD), Volume II, maintained by NGB/FM.
 - (b) X_2 . USAF Program Document (PD), Volume II, maintained by NGB/FM.

5. Application Instructions:

- a. The valid man-hour range for this ANGMS is 576.00 through 960.00. 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 values for the two workload factors (WLFs) identified in paragraph 4e.
 - (2) Substitute the appropriate WLF value into the corresponding man-hour equation for X_1 and X_2 .
 - (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 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.

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

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WORK CENTER DESCRIPTION**Repair and Reclamation****(C-141)****DIRECT:****1. ON-EQUIPMENT MAINTENANCE:**

1.1. MAINTAINS AIRCRAFT AIRFRAME MECHANICAL SYSTEM AND COMPONENT: Inspects, troubleshoots, and repairs airframe system and component.

1.1.1. PERFORMS MAINTENANCE ON AIRCRAFT AIRFRAME COMPONENT.

1.1.2. PERFORMS MAINTENANCE ON FUSELAGE COMPARTMENT COMPONENT.

1.1.3. PERFORMS MAINTENANCE ON MAIN LANDING GEAR COMPONENT.

1.1.4. PERFORMS MAINTENANCE ON NOSE LANDING GEAR COMPONENT.

1.1.5. PERFORMS MAINTENANCE ON LANDING GEAR CONTROL COMPONENT.

1.1.6. PERFORMS MAINTENANCE ON LANDING GEAR BRAKE AND ANTISKID SYSTEM.

1.1.7. PERFORMS MAINTENANCE ON LANDING GEAR STEERING SYSTEM.

1.1.8. PERFORMS MAINTENANCE ON LANDING GEAR EMERGENCY SYSTEM.

1.1.9. PERFORMS WHEEL AND TIRE BUILDUP/TEARDOWN.

1.1.10. PERFORMS MAINTENANCE ON FLIGHT CONTROL COMPONENT.

1.1.11. PERFORMS MAINTENANCE ON TURBOFAN POWER PLANT SYSTEM.

1.1.12 RIGS GROUND TEST VALVE.

1.2. PERFORMS INSPECTION. Performs special and scheduled aircraft inspection.

1.2.1. PERFORMS LOOK PHASE OF SCHEDULED INSPECTION.

1.2.2. PERFORMS SPECIAL INSPECTION.

2. OFF-EQUIPMENT MAINTENANCE:

2.1. PERFORMS MAINTENANCE ON AIRCRAFT AIRFRAME COMPONENT.

2.2. PERFORMS MAINTENANCE ON LANDING GEAR BRAKE AND ANTISKID SYSTEM.

2.3. PERFORMS MAINTENANCE ON FLIGHT CONTROL COMPONENT.

2.4. PERFORMS MAINTENANCE ON AUXILIARY POWER UNIT COMPONENT.

3. SHOP SUPPORT GENERAL CODE. Performs wheel and tire buildup or teardown.

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

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

6. CRASH RECOVERY CAPABILITY. Maintains crash recovery capability to ensure the timely recovery and disposition of the governmental asset.

7. DIRECT LABOR MAINTENANCE. Assists in the performance of direct labor maintenance requirement to ensure the effective utilization of maintenance personnel.

8. AEROSPACE GROUND EQUIPMENT/SHOP INDUSTRIAL EQUIPMENT. Repairs aerospace ground equipment/shop industrial equipment.

9. AIRCRAFT CLEANING. Performs all aircraft vacuuming, wiping, polishing, cleaning, and treating of equipment to prevent corrosion.

10. UNIT TRAINING ASSEMBLY (UTA) AND MOBILITY REQUIREMENT. Performs planning/scheduling task associated with preparation for UTA weekend and mobility requirement.

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					
Repair and Reclamation/23310A					576.00 - 960.00					
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
Aircraft Maintenance	452XX	CIV	1	1	1					
Airlift Acft Maint	457X2	CIV	3	4	5					
TOTAL			4	5	6					
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
TOTAL										