BY ORDER OF THE CHIEF,
NATIONAL GUARD BUREAU

ANGMS 23130H
28 FEBRUARY 1995

STRUCTURAL REPAIR

(C-130H)

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1. Objective. 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. The AFI 21-series of Air Force (AF) and/or Air National Guard (ANG) directives contain US Air Force and Command policy and procedural guidance for the Structural Repair work center. This manpower standard was developed using the functional review process under procedures outlined in AFPAM 38-208V1, *Air Force Management Engineering Program (MEP) Processes*, formerly AFR 25-5.

3. Applicability. This standard applies to all Air National Guard C-130H airlift units except the 109th and 139th Airlift Groups, the 123rd Airlift Wing, and the 176th Composite Group. This standard only applies to peacetime operations.

4. Standard Data:

a. Classification. Type II.
b. Approval Date. 9 July 1992.
c. Man-hour Data Source. Operational Audit method (historical record and technical estimate techniques).
d. Standard Man-hour Equation. $Y = -1049.0 + 5.422X$.
e. Workload Factor:
(1). Title. A C-130H Programmed Flying Hour.
(2). Definition. The average monthly programmed flying hours.
(3). Source. USAF Program Document, Volume II, maintained by NGB/FM.

5. Application Instructions:

a. The valid man-hour range for this ANGMS is 167.60 through 338.32.
b. This ANGMS is appropriate for use with all peacetime civilian man-hour availability factors.
c. Refer to the appropriate column in the standard manpower table at attachment 2 to determine the skill distribution.
d. Should the extrapolation limits be exceeded, see AFI 38-201, *Determining Manpower Requirements,* for guidance.

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.

DONALD W. SHEPPERD
Major General, USAF
Director, Air National Guard

OFFICIAL

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

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Certified by: NGB/CF (Col P. S. Kimmel)
Pages: 5/Distribution: F, X

WORK CENTER DESCRIPTION

Structural Repair
(C-130H)

DIRECT:

1. ON-EQUIPMENT STRUCTURAL REPAIR MAINTENANCE:

1.1. PERFORMS AIRCRAFT STRUCTURAL REPAIR. Inspects, evaluates damage, and performs structural repair.

1.1.1. REPAIRS AIRCRAFT AIRFRAME COMPONENT.

1.1.2. REPAIRS AIRCRAFT COCKPIT AND FUSELAGE COMPARTMENT COMPONENT.

1.1.3. REPAIRS AIRCRAFT LANDING GEAR COMPONENT.

1.1.4. REPAIRS AIRCRAFT FLIGHT CONTROL COMPONENT.

1.1.5. REPAIRS AIRCRAFT TURBO PROP POWER PLANT COMPONENT.

1.1.6. REPAIRS AUXILIARY POWER PLANT COMPONENT.

1.1.7. REPAIRS HYDRAULIC PROPELLER COMPONENT.

1.1.8. REPAIRS AIR CONDITIONING, PRESSURIZATION, AND SURFACE ICE CONTROL COMPONENT.

1.1.9. REPAIRS LIGHTING SYSTEM.

1.1.10. PERFORMS MAINTENANCE ON HYDRAULIC AND PNEUMATIC POWER SYSTEM.

1.1.11. REPAIRS FUEL SYSTEM COMPONENT.

1.1.12. REPAIRS OXYGEN SYSTEM COMPONENT.

1.1.13. REPAIRS MISCELLANEOUS UTILITY COMPONENT.

1.1.14. REPAIRS RADAR NAVIGATION EQUIPMENT COMPONENT.

2. OFF-EQUIPMENT STRUCTURAL REPAIR MAINTENANCE:

2.1. PERFORMS AIRCRAFT STRUCTURAL REPAIR AND FABRICATION. Inspects, bench checks, evaluates off-equipment, and determines disposition.

2.1.1. REPAIRS AIRCRAFT AIRFRAME COMPONENT.

2.1.2. REPAIRS AIRCRAFT COCKPIT AND FUSELAGE COMPARTMENT COMPONENT.

2.1.3. REPAIRS AIRCRAFT LANDING GEAR COMPONENT.

2.1.4. REPAIRS AIRCRAFT FLIGHT CONTROL COMPONENT.

2.1.5. REPAIRS AIRCRAFT TURBO PROP POWER PLANT COMPONENT.

2.1.6. REPAIRS AUXILIARY POWER PLANT COMPONENT.

2.1.7. REPAIRS HYDRAULIC PROPELLER COMPONENT.

2.1.8. REPAIRS AIR CONDITIONING, PRESSURIZATION, AND SURFACE ICE CONTROL COMPONENT.

2.1.9. REPAIRS AIRCRAFT LIGHTING SYSTEM COMPONENT.

2.1.10. REPAIRS HYDRAULIC AND PNEUMATIC POWER SYSTEM COMPONENT.

2.1.11. REPAIRS AIRCRAFT FUEL SYSTEM COMPONENT.

2.1.12. REPAIRS MISCELLANEOUS UTILITY SYSTEM COMPONENT.

3. ON-EQUIPMENT CORROSION CONTROL MAINTENANCE:

3.1. PERFORMS AIRCRAFT CORROSION CONTROL MAINTENANCE. Removes and chemically treats corrosion and applies protective coating and decal to aircraft.

3.1.1. PERFORMS CORROSION CONTROL MAINTENANCE ON AIRCRAFT AIRFRAME.

3.1.2. PERFORMS CORROSION CONTROL MAINTENANCE ON AIRCRAFT COCKPIT AND FUSELAGE COMPARTMENT.

3.1.3. PERFORMS CORROSION CONTROL MAINTENANCE ON AIRCRAFT LANDING GEAR.

3.1.4. PERFORMS CORROSION CONTROL MAINTENANCE ON TURBO PROP POWER PLANT.

3.1.5. PERFORMS CORROSION CONTROL MAINTENANCE ON AIRCRAFT FUEL SYSTEM.

3.2. PERFORMS SPECIAL AIRCRAFT OR AIRCRAFT COMPONENT CORROSION INSPECTION. Performs inspection of aircraft and aircraft component to identify corrosive area.

3.3. PERFORMS CORROSION CONTROL ON SUPPORT EQUIPMENT. Performs corrosion control on support equipment which is beyond user capability to maintain.

4. OFF-EQUIPMENT CORROSION CONTROL MAINTENANCE:

4.1. PERFORMS AIRCRAFT CORROSION CONTROL MAINTENANCE. Removes and chemically treats corrosion and applies protective coating to aircraft component.

4.1.1. PERFORMS CORROSION CONTROL MAINTENANCE ON AIRCRAFT AIRFRAME.

4.1.2. PERFORMS CORROSION CONTROL MAINTENANCE ON AIRCRAFT COCKPIT AND FUSELAGE COMPONENT.

4.1.3. PERFORMS CORROSION CONTROL MAINTENANCE ON AIRCRAFT LANDING GEAR COMPONENT.

4.1.4. PERFORMS CORROSION CONTROL MAINTENANCE ON FLIGHT CONTROL COMPONENT.

4.1.5. PERFORMS CORROSION CONTROL MAINTENANCE ON AIRCRAFT ENGINE OR QUICK ENGINE CHANGE KIT.

4.1.6. PERFORMS CORROSION CONTROL MAINTENANCE ON AIRCRAFT FUEL SYSTEM COMPONENT.

4.2. PERFORMS SHOP SUPPORT GENERAL CODE. Performs stenciling and painting for cosmetic purposes.

5. AIRCRAFT REFURBISHMENT AND INSPECTION. Performs aircraft refurbishment and inspection.

6. CORROSION CONTROL AND PAINTING OF MISCELLANEOUS EQUIPMENT. Performs corrosion control and painting of cargo pallet, mobility cargo bin, and pilot helmet.

7. FABRICATION. Performs local manufacture of part, assembly, and unit not included in categories 1 and 2.

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

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

10. UNIT TRAINING ASSEMBLY (UTA), MOBILITY REQUIREMENT, AND BATTLE DAMAGE PROGRAM. Performs planning and scheduling tasks associated with preparation for UTA weekend, mobility requirement, and Battle Damage program.

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
Structural Repair/ 23130H (C-130H)	167.60 - 338.32

AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Systems	454X0	Civ	1	1							
Acft Structural Maint	458X2	Civ	1	2							
TOTAL			2	3							

AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
TOTAL											

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