BY ORDER OF THE CHIEF,
NATIONAL GUARD BUREAU

ANGMS 22200E
24 FEBRUARY 1995

INSPECTION

(C-130E)

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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. 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 Inspection 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-130E Airlift units except the 109th and 189th Airlift Groups and the 193rd Special Operations Group. This standard applies only 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. $Y = 426.4 + 53.95X$.
e. Workload Factor:
(1). Title. A C-130E Aircraft Authorized.
(2). Definition. The average monthly C-130E 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 623.31 through 1133.26.
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 grade and 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
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OFFICIAL

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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: 4/Distribution: F, X

WORK CENTER DESCRIPTION

Inspection
(C-130E)

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 FIRST MINOR INSPECTION.

1.1.3. PERFORMS AIRCRAFT SECOND MINOR INSPECTION.

1.1.4. PERFORMS AIRCRAFT THIRD MINOR INSPECTION.

1.1.5. PERFORMS HOME STATION CHECK INSPECTION OF AIRCRAFT.

1.1.6. PERFORMS AIRCRAFT REFURBISHMENT INSPECTION.

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 COCKPIT AND FUSELAGE COMPARTMENT MAINTENANCE.

3.3. PERFORMS LANDING GEAR MAINTENANCE.

3.4. PERFORMS FLIGHT CONTROL MAINTENANCE.

3.5. PERFORMS TURBO PROP 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 AND PNEUMATIC POWER SYSTEM.

3.11. PERFORMS MAINTENANCE ON FUEL SYSTEM.

3.12. PERFORMS MAINTENANCE ON OXYGEN SYSTEM.

3.13. PERFORMS MAINTENANCE ON FIRE DETECTION AND OVERHEAT SYSTEM.

3.14. PERFORMS EMERGENCY EQUIPMENT MAINTENANCE.

4. AIRCRAFT CLEANING TO INCLUDE AFTER WASH LUBRICATION.

5. AEROSPACE GROUND EQUIPMENT/SHOP INDUSTRIAL EQUIPMENT MAINTENANCE.

6. GROUND HANDLING, SERVICING, AND RELATED TASK.

7. AIRCRAFT DOCUMENTATION PREPARATION AND MAINTENANCE.

8. ASSISTANCE. Assists other Maintenance functions 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), MOBILITY REQUIREMENT, AND BATTLE DAMAGE PROGRAM. Performs planning and scheduling tasks associated with preparation for UTA workload, mobility requirement, and Battle Damage Program.

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/ 22200E (C-130E)	623.31 - 1133.26

AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Aircraft	452X0	Civ	1	1	2	2	2				
Airlift Acft Maint	457X2A	Civ	3	4	4	5	6				
TOTAL			4	5	6	7	8				

AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
TOTAL											

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