BY ORDER OF THE CHIEF,
NATIONAL GUARD BUREAU

ANGMS 21100B
24 FEBRUARY 1995

QUALITY ASSURANCE

(C-130)

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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 Quality Assurance work center. This manpower standard was developed using the functional review process under procedures outlines 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 (ANG) tactical airlift units except the 193rd Special Operations Group, the 176th Composite Group, and the 109th Airlift 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. $Y = 211.8 + 60.38X$.
e. Workload Factor:
(1). Title. A C-130 Aircraft Authorized.
(2). Definition. The number of C-130 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 498.50 through 1215.79.
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
Chief
Administrative Services

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

OPR: ANGRC/XPME (Ms. D. Reamy)

Certified by: NGB/CF (Col P. S. Kimmel)
Pages: 6/Distribution: F, X

WORK CENTER DESCRIPTION

Quality Assurance
(C-130)

DIRECT:

1. INSPECTION PROGRAM:

1.1. PERFORMS QUALITY VERIFICATION INSPECTION (QVI). Performs QVI to verify satisfactory equipment condition following maintenance performed during fix or inspection action and prepares inspection form.

1.1.1. PERFORMS POST-FLIGHT INSPECTION.

1.1.2. PERFORMS PRE-FLIGHT INSPECTION.

1.1.3. PERFORMS THRU-FLIGHT INSPECTION.

1.1.4. PERFORMS LUBRICATION INSPECTION AFTER WASH.

1.1.5. PERFORMS HOME STATION CHECK INSPECTION.

1.1.6. PERFORMS MISCELLANEOUS INSPECTION.

1.1.7. PERFORMS ENGINE AND AIRCRAFT LUBE, WASH, AND CORROSION CONTROL INSPECTION.

1.1.8. PERFORMS CLEANLINESS INSPECTION.

1.1.9. PERFORMS ENGINE INSTALLATION INSPECTION.

1.1.10. PERFORMS POWERED AEROSPACE GROUND EQUIPMENT (AGE) INSPECTION.

1.1.11. PERFORMS NON-POWERED AGE INSPECTION.

1.1.12. PERFORMS REFURBISHMENT INSPECTION.

1.1.13. PERFORMS 315 DAY ISOCHRONAL INSPECTION.

1.1.14. PERFORMS ENGINE INSPECTION.

1.1.15. PERFORMS TEST CELL INSPECTION.

1.1.16. PERFORMS QUICK ENGINE CHANGE KIT INSPECTION.

1.1.17. PERFORMS FIRE BOTTLE INSPECTION.

1.1.18. PERFORMS PROPELLER INSPECTION.

1.1.19. PERFORMS PROPELLER INSTALLATION INSPECTION.

1.1.20. PERFORMS FUNCTIONAL CHECK FLIGHT REVIEW.

1.2. INSPECTS TECHNICAL PUBLICATION. Inspects workcard, checklist, code manual, local publication, and maintenance operating instruction.

1.3. MAINTAINS CHECKLIST. Develops and maintains local checklist.

1.4. PERFORMS SPECIAL INSPECTION. Performs special recurring inspection to determine equipment condition or procedural compliance as directed by higher headquarters, Air Logistics Center, or Deputy Command for Maintenance.

1.4.1. PERFORMS INSPECTION ON COMPOSITE TOOL KIT.

1.4.2. PERFORMS HOUSEKEEPING INSPECTION.

1.4.3. PERFORMS VEHICLE INSPECTION.

1.4.4. PERFORMS, INITIATES, AND VERIFIES ONETIME DIRECTED INSPECTION.

1.4.5. PERFORMS MOCK-UP INSPECTION.

1.4.6. PERFORMS SHOP EQUIPMENT INSPECTION.

1.4.7. PERFORMS USER CALIBRATION INSPECTION.

1.4.8. PERFORMS TECHNICAL ORDER (T.O.) SUBACCOUNT INSPECTION.

1.4.9. PERFORMS DOCUMENTATION INSPECTION.

1.4.10. PERFORMS TIME COMPLIANCE TECHNICAL ORDER (TCTO) INSPECTION.

1.5. PERFORMS PERSONNEL EVALUATION. Performs evaluation of technical competence and completes documentation of evaluation.

1.6. ACCOMPLISHES SPECIAL PROGRAM. Accomplishes special program to ensure and enhance the quality within the maintenance activity.

1.6.1. ACCOMPLISHES SAFETY PROGRAM.

1.6.2. ACCOMPLISHES FOREIGN OBJECT DAMAGE PROGRAM.

1.6.3. ACCOMPLISHES DROPPED OBJECT PROGRAM.

1.6.4. ACCOMPLISHES FLIGHT CONTROL DIAGNOSTIC TEAM PROGRAM.

1.6.5. ACCOMPLISHES THE SELF-INSPECTION, CROSS-FEED, OR CROSS TELL PROGRAM.

1.6.6. PERFORMS IMPOUNDMENT PROGRAM.

1.6.7. INVESTIGATES/INITIATES REFERRAL FROM MAINTENANCE MANAGEMENT.

1.6.8. MONITORS AND IMPLEMENTS THE LOGISTICS EXCELLENCE PROGRAM.

1.6.9. INVESTIGATES ABORT OR INCIDENT.

1.6.10. ADMINISTERS RETROFIT CONFIGURATION CHANGE PROGRAM.

1.6.11. MANAGES WEIGHT AND BALANCE PROGRAM.

1.6.12. REVIEWS TCTO PROGRAM:

1.6.12.1. DETERMINES APPLICABILITY.

1.6.12.2. DISTRIBUTES TCTO.

1.6.12.3. REVIEWS TECHNICAL, MANAGERIAL, AND DOCUMENTATION ASPECT OF THE PROGRAM AND REPORTS DEFICIENCY.

1.6.13. MANAGES AIRCRAFT ACCEPTANCE PROGRAM.

1.6.14. PERFORMS AS SUGGESTION PROGRAM FOCAL POINT.

1.7. ADMINISTERS PRODUCT IMPROVEMENT PROGRAM. Administers Product Improvement Program to ensure the quality of material and publication.

1.7.1. PERFORMS MATERIAL DEFICIENCY PROGRAM.

1.7.2. PREPARES AFTO FORM 22, TECHNICAL ORDER SYSTEM PUBLICATION IMPROVEMENT REPORT.

1.7.3. ADMINISTERS SOURCE, MAINTENANCE, AND RECOVERABILITY CODE CHANGE REQUEST.

1.8. ADMINISTERS MANAGEMENT INSPECTION PROGRAM. Administers Management Inspection Program to ensure compliance with published directive and conducts follow-up for corrective action.

1.8.1. PERFORMS INSPECTION.

1.8.2. PERFORMS FOLLOW-UP INSPECTION.

1.9. MANAGES TO DISTRIBUTION SYSTEM. Manages T.O. distribution system to ensure currency of technical data within the maintenance complex.

1.9.1. ESTABLISHES REQUIREMENT AND MAINTAINS CENTRAL TO FILE.

1.9.2. REQUISITIONS T.O.

1.9.3. DISTRIBUTES T.O.

1.10. MANAGES FUNCTIONAL CHECK FLIGHT PROGRAM. Monitors and administers Functional Check Flight program.

2. DEPOT/CONTRACT FIELD TEAM. Performs as focal point for depot/contract field team to ensure the quality of depot/contract maintenance.

2.1. PERFORMS AS PROJECT OFFICER.

2.2. PERFORMS AS QUALITY ASSURANCE REPRESENTATIVE.

2.3. REQUESTS DEPOT ASSISTANCE.

3. QUALITY ASSURANCE PROGRAM (QAP). Compiles and analyzes QAP data and prepares Quality Assurance Summary.

4. UNIT TRAINING ASSEMBLY (UTA), MOBILITY REQUIREMENT, AND BATTLE DAMAGE PROGRAM. Performs planning and scheduling task associated with preparation for UTA weekend, mobility requirement, and the 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
Quality Assurance/21100B	498.50 - 1215.79

AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Aircraft	452X0	Civ	4	5	6	7	8				
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.