

**UNIT AIRCREW LIFE SUPPORT**  
**AIR COMBAT COMMAND**

1. **Objective.** As prescribed by AFR 8-10, this Air National Guard Manpower Standard (ANGMS) quantifies the manpower requirement to accomplish the tasks described in the work center description (WCD) for varying levels of workload volume in the Unit Aircrew Life Support function of Air Combat Command (ACC) gained Air National Guard (ANG) flying units.
2. **Authority.** AFR 55-27 contains Air Force and Air National Guard (ANG) policy and procedural guidance for the Unit Aircrew Life Support work center. This ANGMS has been developed in accordance with procedures contained in AFR 25-5. This ANGMS is the result of a functional review.
3. **Applicability.** This standard applies to all ACC-gained ANG flying units operating a Unit Aircrew Life Support function, FAC 3102. This ANGMS does not apply to Replacement Training Units (RTUs), RF-4, F-4G, or F-4E units.
4. **Standard Data:**
  - a. **Classification.** Type II
  - b. **Approval Date.** 21 February 1992.
  - c. **Man-hour Data Source.** Operational Audit (historical record, technical estimate).
  - d. **Standard Man-Hour Equation.**  $Y = 252.8 + 3.761X$
  - e. **Workload Factor:**
    - (1) **Title.** A Flying Position Identifier (FPI) authorized.
    - (2) **Definition.** The average monthly number of FPIs (1, 2, 5, or 6) authorized in the Flying Squadron and Wing/Group.
    - (3) **Source.** Using AFR 173-13, Table A40-1, compute the authorized aircrew (FPI 1 and 2) for the appropriate weapon system and PAA; add 2 for overhead (FPI 6) in the flying squadron (Operations Officer and Squadron Commander); and add the Wing/Group overhead authorized in NGR 60-03. Retrieve the number of FPI 5s authorized from 34 Command File, Part B (Military), Command Manpower Data System (CMD5) sorted by Central Base Personnel Office (CBPO) code. Do not include CRTCs, RTUs, and State Headquarters. Verify totals with ANGR/XPMM before application.
5. **Application Instructions:**
  - a. The valid man-hour range of 308.03 to 630.91 at attachment 2 will not be exceeded.
  - b. The application instructions are as follows:
    - (1) Obtain the most current workload factor value as instructed in paragraph 4e.
    - (2) Substitute this value into the man-hour equation for X.
    - (3) Solve the standard man-hour equation for total man-hours (Y).
    - (4) Divide the total man-hours (Y) by the current military man-hour availability factor to determine total requirements.
    - (5) Refer to the whole manpower equivalent table to determine the whole manpower requirement.
    - (6) Refer to the AF Form 1113, Standard Manpower Table, find the column in which the number of total requirements falls, then read up the column and across to determine total manpower by AFSC.
6. **Statement of Conditions.** The normal hours of operation for this work center are 8 hours per day, 5 days per 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**

**No. of Printed Pages: 8**  
**OPR: ANGR/XPME (Maj Castleberry)**  
**Approved by: Lt Gen Conaway**  
**Edited by: Ms. N. Salch**  
**Distribution: F, X**

**WORK CENTER DESCRIPTION****Unit Aircrew Life Support****AIR COMBAT COMMAND****DIRECT:****1. LIFE SUPPORT EQUIPMENT SERVICE:**

**1.1. FITS LIFE SUPPORT EQUIPMENT TO AIRCREW MEMBER:** Determines size, assembles life support equipment from component parts, and fits life support equipment to individual.

**1.1.1. FITS HELMET.**

**1.1.2. FITS OXYGEN MASK AND CONNECTOR.**

**1.1.3. FITS TORSO HARNESS.**

**1.1.4. FITS SURVIVAL VEST.**

**1.1.5. FITS ANTI-G SUIT.**

**1.1.6. FITS LIFE PRESERVER.**

**1.1.7. FITS CONSTANT WEAR ANTI-EXPOSURE SUIT.**

**1.1.8. FITS LASER EYE PROTECTION.**

**1.1.9. FITS CHEMICAL DEFENSE EQUIPMENT.** Determines size, assembles aircrew member chemical defense equipment from component parts, and fits chemical defense equipment to individual.

**1.2. FITS SPARE LIFE SUPPORT EQUIPMENT>** Determines size and fits spare life support equipment to individual.

**1.2.1. FITS SPARE HELMET.**

**1.2.2. FITS SPARE OXYGEN MASK.**

**1.2.3. FITS SPARE TORSO HARNESS.**

**1.2.4. FITS SPARE SURVIVAL VEST.**

**1.2.5. FITS SPARE ANTI-G SUIT.**

**1.2.6. FITS SPARE LIFE PRESERVER.**

**1.2.7. FITS SPARE CONSTANT WEAR ANTI-EXPOSURE SUIT.**

**1.3. ISSUES LIFE SUPPORT EQUIPMENT.** Issues life support equipment over the counter to individual and documents appropriate form.

**1.4. RE-FITS LIFE SUPPORT EQUIPMENT:**

**1.4.1. RE-FITS HELMET.**

**1.4.2. RE-FITS OXYGEN MASK AND CONNECTOR.**

**1.4.3. RE-FITS TORSO HARNESS.**

**1.4.4. RE-FITS SURVIVAL VEST.**

**1.4.5. RE-FITS ANTI-G SUIT.**

**1.4.6. RE-FITS LIFE PRESERVER.**

**1.4.7. RE-FITS CONSTANT WEAR ANTI-EXPOSURE SUIT.**

**1.4.8. RE-FITS LASER EYE PROTECTION.**

**1.4.9. RE-FITS CHEMICAL DEFENSE EQUIPMENT.**

**2. LIFE SUPPORT EQUIPMENT PICK UP AND DELIVERY:**

**2.1. OPERATES LIFE SUPPORT CONTROL CENTER.** Operates and controls life support communication and transportation system to provide effective transmission of information and movement of equipment.

**2.2. PICKS UP AND DELIVERS LIFE SUPPORT EQUIPMENT:** Prepares equipment for delivery, prepares appropriate documentation, coordinates with inspection or maintenance activity, unloads and loads vehicle, performs acceptance inspection, and annotates equipment record.

**2.2.1. PICKS UP AND DELIVERS LIFE SUPPORT EQUIPMENT TO MAINTENANCE FACILITY.**

**2.2.2. PICKS UP AND DELIVERS LIFE SUPPORT EQUIPMENT TO MEDICAL FACILITY.**

**2.2.3. PICKS UP AND DELIVERS LIFE SUPPORT EQUIPMENT TO SUPPLY FACILITY.**

**2.2.4. PICKS UP AND DELIVERS LIFE SUPPORT EQUIPMENT TO PRECISION MEASUREMENT EQUIPMENT FACILITY.**

**2.2.5. PICKS UP AND DELIVERS LIFE SUPPORT EQUIPMENT TO MUNITIONS/PYROTECHNICS STORAGE.**

**2.2.6. PERFORMS CONSOLIDATED TRIP.**

**2.3. TRAVELS TO AND FROM RESIDENCE FOR ON-CALL REQUIREMENT.** Performs travel to and from residence to support on-call work requirement.

**3. LIFE SUPPORT EQUIPMENT INSPECTION:**

**3.1. PERFORMS SCHEDULED 30-DAY EQUIPMENT INSPECTION.** Selects unit to be inspected; disassembles and inspects unit, performs minor repair or replacement of component part to correct discrepancy, reassembles and tests unit; schedules repair as required, annotates inspection record, and returns unit to service.

**3.2. PERFORMS SCHEDULED 120-DAY EQUIPMENT INSPECTION:** Selects unit to be inspected; disassembles and inspects unit, performs minor repair or replacement of component part to correct discrepancy, reassembles and tests unit; schedules repair as required, annotates inspection record, and returns unit to service.

**3.2.1. INSPECTS INSERVICE CONTINGENCY/SURVIVAL VEST.**

**3.2.2. INSPECTS ANTI-G SUIT.**

**3.2.3. INSPECTS CONSTANT WEAR ANTI-EXPOSURE SUIT.**

**3.2.4. INSPECTS SURVIVAL KIT.**

**3.3. PERFORMS SCHEDULED 180-DAY EQUIPMENT INSPECTION:** Selects unit to be inspected; disassembles and inspects unit, performs minor repair or replacement of component part to correct discrepancy, reassembles and tests unit; schedules repair as required, annotates inspection record, and returns unit to service.

**3.3.1. INSPECTS STORED CONTINGENCY/SURVIVAL VEST.**

**3.3.2. INSPECTS STORED CONSTANT WEAR ANTI-EXPOSURE SUIT.**

**3.3.3. INSPECTS INSERVICE AIRCREW CHEMICAL DEFENSE EQUIPMENT:**

**3.3.3.1. INSPECTS MBU 13P MASK.**

**3.3.3.2. INSPECTS CRU 80P FILTER PACK.**

**3.3.3.3. INSPECTS AIRCREW FLIGHT ENSEMBLE.**

**3.3.3.4. INSPECTS MOBILITY CONTINGENCY PACKAGE.**

**3.4. PERFORMS PRE/POSTFLIGHT INSPECTION:** Selects unit to be inspected, visually inspects unit, performs minor repair or replacement of component part to correct discrepancy, reassembles and tests unit; schedules repair as required, annotates inspection record, and returns to service.

**3.4.1. INSPECTS TORSO HARNESS.**

**3.4.2. INSPECTS HELMET WITH OXYGEN MASK AND CONNECTOR.**

**3.4.3. INSPECTS SURVIVAL VEST.**

**3.4.4. INSPECTS LIFE PRESERVER.**

**3.4.5. INSPECTS CONSTANT WEAR ANTI-EXPOSURE SUIT.**

**3.4.6. INSPECTS SURVIVAL KIT.**

**3.4.7. INSPECTS ANTI-G SUIT.**

**3.4.8. INSPECTS AIRCREW CHEMICAL DEFENSE ENSEMBLE.**

**3.5. PERFORMS ACCEPTANCE INSPECTION.** Performs acceptance when an aircraft is returning from another base, when modification/overhaul is needed, when receiving a new aircraft, or when aircraft has gone past the inspection period.

**3.6. PERFORMS 10/14 DAY EQUIPMENT INSPECTION.**

**4. LIFE SUPPORT EQUIPMENT REPAIR:**

**4.1. PERFORMS ROUTINE EQUIPMENT REPAIR:** Selects unit to be repaired; disassembles and inspects unit, performs repair or replacement of component part to correct discrepancy, reassembles and tests unit, annotates record, and returns unit to service.

**4.1.1. REPAIRS AIRCRAFT INTEGRATED PERSONNEL PARACHUTE.**

**4.1.2. REPAIRS TORSO HARNESS.**

**4.1.3. REPAIRS PERSONNEL LOWERING DEVICE.**

**4.1.4. REPAIRS HELMET.**

**4.1.5. REPAIRS OXYGEN MASK AND CONNECTOR.**

**4.1.6. REPAIRS HELMET COMMUNICATION HEADSET.**

**4.1.7. REPAIRS SURVIVAL KIT.**

**4.1.8. REPAIRS EMERGENCY SIGNAL KIT.**

**4.1.9. REPAIRS AIRCREW CHEMICAL DEFENSE EQUIPMENT:**

**4.1.9.1. REPAIRS MBU 13P MASK.**

**4.1.9.2. REPAIRS CRU 80P FILTER PACK.**

**4.1.10. REPAIRS SURVIVAL VEST.**

**4.1.11. REPAIRS ANTI-G SUIT.**

**4.1.12. REPAIRS CONSTANT WEAR ANTI-EXPOSURE SUIT.**

**4.2. PERFORMS EMERGENCY EQUIPMENT REPAIR OR REPLACEMENT:** Performs emergency repair or replacement to stop the abort of a scheduled mission.

**4.2.1. REPAIRS OR REPLACES LIFE PRESERVER.**

**4.2.2. REPAIRS OR REPLACES HELMET.**

**4.2.3. REPAIRS OR REPLACES OXYGEN MASK AND CONNECTOR.**

**5. LIFE SUPPORT EQUIPMENT REMOVAL AND INSTALLATION:**

**5.1. REMOVES AND INSTALLS LIFE SUPPORT EQUIPMENT.** Travels to and from aircraft to remove and install life support equipment.

**5.2. REMOVES AND INSTALLS AIRCRAFT INTEGRATED PERSONNEL PARACHUTE.**

**5.3. REMOVES AND INSTALLS SURVIVAL KIT.**

**5.4. REMOVES/INSTALLS OXYGEN MASK.**

**6. LIFE SUPPORT SAFETY AND QUALITY ASSURANCE INSPECTION:**

**6.1. PERFORMS OPERATIONAL AND SAFETY SUPPLEMENT INSPECTION AND MODIFICATION.** Performs special inspection and modification on life support equipment required by an operational or safety supplement and annotates record.

**6.2. CONDUCTS QUALITY ASSURANCE (QA) INSPECTION.** Inspects and evaluates aircrew life support equipment and personnel qualification; records discrepancy, recommendation, and corrective action on appropriate documentation.

**7. LIFE SUPPORT TRAINING:**

**7.1. CONDUCTS LIFE SUPPORT TRAINING:**

**7.1.1. PREPARES SCHEDULE.** Coordinates schedule with appropriate office, prepares schedule, and notifies individual or appropriate office.

**7.1.2. SETS UP CLASSROOM/DEMONSTRATION AREA.** Obtains training aid and equipment, travels to classroom or demonstration area, and sets up.

**7.1.3. DISASSEMBLES CLASSROOM/DEMONSTRATION AREA.** Breaks down classroom/demonstration and returns training material to the appropriate location.

**7.1.4. CONDUCTS INITIAL LIFE SUPPORT TRAINING:**

**7.1.4.1. CONDUCTS INITIAL EJECTION AND GROUND EGRESS TRAINING.**

**7.1.4.2. CONDUCTS INITIAL HANGING HARNESS TRAINING.**

**7.1.4.3. CONDUCTS INITIAL LIFE SUPPORT EQUIPMENT TRAINING.**

**7.1.4.4. CONDUCTS INITIAL LAND/COMBAT SURVIVAL TRAINING.**

**7.1.4.5. CONDUCTS INITIAL WATER SURVIVAL TRAINING.**

**7.1.4.6. CONDUCTS INITIAL LIFE SUPPORT EQUIPMENT TRAINING WITH CHEMICAL DEFENSE ENSEMBLE.** Conducts aircrew member training in donning and doffing of chemical defense ensemble, shelter processing procedure, life support equipment decontamination procedure, hanging harness, and air and ground egress.

**7.2. CONDUCTS CONTINUATION LIFE SUPPORT TRAINING:****7.2.1. CONDUCTS CONTINUATION EJECTION AND GROUND EGRESS TRAINING.****7.2.2. CONDUCTS CONTINUATION HANGING HARNESS TRAINING.****7.2.3. CONDUCTS CONTINUATION LIFE SUPPORT EQUIPMENT TRAINING.****7.2.4. CONDUCTS CONTINUATION LAND/COMBAT SURVIVAL TRAINING.****7.2.5. CONDUCTS CONTINUATION WATER SURVIVAL TRAINING.****7.2.6. CONDUCTS CONTINUATION LIFE SUPPORT EQUIPMENT TRAINING WITH CHEMICAL DEFENSE ENSEMBLE.** Conducts aircrew member training in donning and doffing of chemical defense ensemble, shelter processing procedure, life support equipment decontamination procedure, hanging harness, and air and ground egress.**7.3. CONDUCTS LIFE SUPPORT TRAINING OF OTHER PERSONNEL.****7.4. PROVIDES TECHNICAL SUPPORT TO FIRE DEPARTMENT/RESCUE AGENCY.** Provides advice and technical support to the fire department on the use and nature of aircrew life support equipment.**7.5. MAINTAINS AND REPAIRS TRAINING AID.** Maintains training aid at acceptable level of service for training purposes and repairs damaged or worn training aid.**7.6. CONDUCTS ANNUAL RECERTIFICATION ON LIFE SUPPORT EQUIPMENT.****8. MATERIAL PROCESSING:****8.1. INVENTORIES BENCH STOCK.** Inventories bench stock to determine if replacement level is sufficient; researches applicable publications for stock number, nomenclature, and unit of issue; prepares letter to change stock level and follows up on status; unpacks and restocks inventory; and maintains bench stock listing.**8.2. MAINTAINS LIFE SUPPORT TECHNICAL ORDER (T.O.):****8.2.1. UPDATES T.O.** Receives T.O. change, documents on AFTO Form 110, Technical Order Distribution Record or computer generated product, reviews change, updates T.O., and performs Annex (A)-page check.**8.2.2. PERFORMS T.O. INDEX ROUTINE CHECK.** Receives T.O. Index, performs check, annotates AFTO Form 131, T.O. Index Routine and Annual Check, files index, and obtains or orders T.O., if necessary.**8.2.3. PERFORMS T.O. INDEX ANNUAL CHECK.** Receives T.O. Index, performs check, annotates AFTO Form 131, T.O. Index Routine and Annual Check, files the index, and obtains or orders T.O., if necessary.**8.3. ORDERS TIME COMPLIANCE TECHNICAL ORDER (TCTO) KIT, TECHNICAL ORDER COMPLIANCE (TOC) ITEM, OR OPERATIONAL AND SAFETY MODIFICATION KIT.** Determines need, researches applicable publications for stock number, orders kit or item, and follows up.**8.4. PROCESSES TCTO, TOC ITEM, OR OPERATIONAL AND SAFETY MODIFICATION KIT.** Receives and inventories kit/item, completes supply documentation, orders supply or equipment item and follows up on status; unpacks and restocks inventory, and maintains supply document.**8.5. ORDERS LIFE SUPPORT SUPPLY OR EQUIPMENT ITEM.** Determines need; researches applicable publications for stock number, nomenclature and unit of issue; orders supply or equipment item and follows up on status; unpacks and restocks inventory; and maintains supply document.**8.6. TURNS IN DUE-IN-FOR-MAINTENANCE (DIFM) EQUIPMENT.** Completes applicable supply documentation, packs equipment for shipment, updates equipment inventory, and turns in equipment.**8.7. CONDUCTS TIME CHANGE FORECASTING.****9. LIFE SUPPORT CONFERENCE/SEMINAR:**

**9.1. ATTENDS CONFERENCE/SEMINAR:**

**9.1.1. PREPARES FOR CONFERENCE/SEMINAR.** Gathers information in preparation for attendance to the Command Wide Life Support Conference or ANG Weapon Systems Work Shop.

**9.1.2. ATTENDS CONFERENCE/SEMINAR.**

**9.2. PREPARES AFTER ACTION/TRIP REPORT.**

**10. UNIT TRAINING ASSEMBLY (UTA) AND DEPLOYMENT/EXERCISE:**

**10.1. PREPARES FOR UTA:**

**10.1.1. PREPARES TRAINING SCHEDULE.** Prepares schedule and forwards to the training office.

**10.1.2. SETS UP CLASSROOM/DEMONSTRATION AREA.** Obtains training aid and equipment, travels to classroom or demonstration area, and sets up.

**10.1.3. RETURNS TRAINING MATERIAL/EQUIPMENT.** Returns classroom/demonstration training material to the appropriate location.

**10.2. PREPARES FOR DEPLOYMENT/EXERCISE.** Determines appropriate equipment for utilization, assembles equipment, configures pallet from component parts, recovers equipment, and returns to appropriate location.

**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, Meetings, Training, Supply, Equipment Maintenance, and Cleanup. See AFMS 00AA for the Standard Indirect Description.

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Aircraft Life Support/3102			308.03 - 630.91								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Aircraft Life Support	122X0	CIV	2	3	4						
<b>TOTAL</b>			2	3	4						
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
<b>TOTAL</b>											