



**EQUIPMENT INVENTORY, STATUS, AND
UTILIZATION REPORTING**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This publication supplements AFI 21-103, 3 September 2003. It addresses major command (MAJ-COM) options and responsibilities. It applies to all Air Mobility Command (AMC) and Air Force Reserve Command (AFRC) units that provide direct support for AMC missions. All references to dash 21 (-21) equipment will also apply to C-17 On Board Loose Equipment OBLE. OBLE is essentially the same equipment as -21 equipment on other weapon systems.

SUMMARY OF REVISIONS

This revision contains minor policy changes related to equipment accountability. It also exempts KC-135 units from marking specified -21 items listed in this instruction that are normally handled by aerial ports at other MDS locations. -21 Equipment National Stock Numbers (NSNs) have been updated with some items reclassified under new ERRC codes. The revision also eliminates EC-135Y and EC-135N Command Unique Equipment Inventories. Attachment 17 has changed to **Attachment 19 (Added)** since the new basic added Attachments 17 and 18. **A bar (|) indicates a change since the last edition.**

9.1.2. The VC-25, C-32, C-20B/H, C-37 and C-40 do not have a -21 technical order. Units possessing these aircraft manage and control aircraft assets using local inventory control procedures and the AF Form 2692.

9.2.3. All units must maintain enough Alternate Mission Equipment (AME) to satisfy all the requirements in their Designed Operational Capability (DOC) statement.

9.3.4.1. (Added) Use AF Form 4076, **Aircraft Dash 21 Equipment Inventory**, to reflect specific aircraft configurations and identify -21 equipment installed on the aircraft. This form provides the means to control and reconcile on onboard quantities of -21 equipment for aircraft while on off- station missions. An automated AF Form 4076 is authorized. C-9, KC-135, KC-10, and UH-1H aircraft are exempt from using AF Form 4076 while on CONUS missions. The AF Form 4076 or AF Form 2692 (transfers) will be used

for all aircraft on OCONUS missions or when aircraft are to be chopped or deployed with aircraft from other units. Maintenance will inventory on board -21 equipment and reconcile any differences with the on site maintenance supporting unit prior to the aircraft returning to homestation. . The use of AF Form 4076 by AFRC will be determined by HQ AFRC as applicable.

9.3.4.2. (Added) Automated Inventory System. All units with G081 capability are required to maintain the total quantity of HQ AMC selected -21 equipment on hand in the G081 automated system. HQ AMC weapon system managers are responsible for inputting HQ AMC selected items in G081. Once loaded, the inventory (see tables under 9.6.3.) must be updated as changes occur by the owning organization using screen 9015. Units should consider using other automated procedures, such as the Tool Accountability System (TAS) when fielded, to conduct and track their total inventory. Units that do not have G081 will inventory assigned -21 equipment in June of each year and send a list of shortages/overages to HQ AMC/LGM or HQ AFRC/LGMA as applicable.

9.4.2.1. See **Attachment 19 (Added)**, pages 7-15 of this supplement, in conjunction with the applicable -21 Technical Order (TO), for a listing of command-unique equipment by weapon system. Unless otherwise indicated, quantities listed are based on authorized items per aircraft. Only the MAJCOM approves waivers to maintain quantities other than these levels. C-141 units are required to maintain sufficient quantities of TO 1C-141B-21 alternate mission equipment line items 31-39 to meet their training and DOC statement requirements. Units will review DOC statements biannually to ensure sufficient levels are established.

9.6.3. The following tables list items, by weapon system that has NF/ND expendability, recoverability; reparability codes (ERRC) and is considered equipment.

C-5 Aircraft

Item	NSN	ERRC
Tow ring assembly	1620-ND-162-244L	NF3
Adapter, tow ring	1620-00-494-3429	NF3

C-130 Aircraft

Item	NSN	ERRC
Winch cargo (Bulldog)	1680-00-860-3934	ND4
Cable, static line	5180-00-104-5557	ND4

9.6.3.2. (Added) NF/ND coded -21 equipment does not fall under the purview of the Air Force Equipment Management System (AFEMS). Accountability is a user responsibility.

9.6.4. The following tables list items, by weapon system that has XD/XF expendability, recoverability; reparability codes (ERRC) and is considered repairable.

C-5 Aircraft

Item	NSN	ERRC
Seat, instructor/student	1680-00-485-1216	XD2
Winch, heavy duty (C-133)	1680-00-856-9704	XD2
Winch assembly, cargo electric	1680-00-343-7650	XD2
Winch assembly, hydraulic	1680-01-216-4525	XD2
Hoist, troop compartment	1680-01-206-1719	XD2
Regulator, oxygen bottle (walk around)	1660-00-782-4697	XD2
Regulator, oxygen bottle (aft latrine)	1660-00-095-1178	XD2
Bottle, portable oxygen	1660-00-605-7844	XD2
Hot beverage unit	7330-01-242-4685	XD2
Flare magazine MJU-17A/A	5865-01-418-8760	XF3
Fire Ax	5110-00-814-2027	XD1

C-9 Aircraft

Item	NSN	ERRC
Bottle, portable oxygen	1660-00-605-7844	XD2

C-130 Aircraft

Item	NSN	ERRC
Winch, static line retriever	1680-00-956-5221	XD2
Support, anchor cable	1560-00-607-2307	XF3
Flare magazine, MJU-34A	5865-01-4115278	XF3
Chaff magazine, MJU-33A	5865-01-411-5280	XF3
Bottle, portable oxygen	1660-00-605-7844	XD2
Fire Ax	5110-00-814-2027	XD1

KC-135 Aircraft

Item	NSN	ERRC
Bottle, portable oxygen	1660-00-605-7844	XD2
Fire Ax	5110-00-814-2027	XD1

C-141 Aircraft

Item	NSN	ERRC
Winch, retriever	1680-00-835-6714	XD2
Winch, cargo (HCU9/A)	1680-00-956-5221	XD2
Ramp, auxiliary loading	1560-01-045-5724	XD2
Regulator, oxygen bottle	1660-00-927-1996	XD2
Flare magazine, MJU-34A	5865-01-411-5278	XF3
	5865-01-411-5280	XF3
Fire Ax	5110-00-814-2027	XD1

C-17 Aircraft

Item	NSN	ERRC
Flare magazine MJU-17A/A	5865-01-418-8760	XF3
Pump, Hand Hydraulic	4320-01-300-3490	XF3
Adapter, Torque Wrench	5120-01-305-7241	XF3
Torque Wrench, Adapter	5120-01-303-4185	XF3
Lock, Aircraft Ground Safety	1730-01-386-1257	XF3
Lock, Aircraft Ground Safety	1730-01-458-5875	XF3
Fire Ax	5110-00-814-2027	XD1
Flare Magazine MJU-34A	5865-01-411-5278	XF3

9.6.4.1. Account for all SPARE XD and XF coded dash 21 recoverable items, and XF coded chaff/flare magazines on the Special Purpose Recoverables Authorized Maintenance (SPRAM) account (R25).

9.6.5. The following tables list items by weapon system that are managed and controlled as expendables (XB3).

C-5 Aircraft

Item	NSN	ERRC
Kits, first aid	6545-00-919-6650	XB3
Flare magazine retainer plate, MJU-17A/A	5340-01-412-5616	XB3
M-548 Storage Container	8140-00-739-0233	XB3
Coffee Maker	7310-01-240-3477	XB3

C-17 Aircraft

Item	NSN	ERRC
Kits, first aid	6545-00-919-6650	XB3
Flare magazine retainer plate, MJU-17A/A	5340-01-412-5616	XB3
M-548 Storage Container	8140-00-739-0233	XB3
Flare, magazine retainer plate, MJU-34A	5340-01-468-9784	XB3

C-130 Aircraft

Item	NSN	ERRC
Kits, first aid	6545-00-919-6650	XB3
Flare magazine retainer plate, MJU-34A	5342-01-394-0251	XB3
Chaff magazine retainer plate, MJU-33A	5865-01-384-9404	XB3
M-548 Storage Container	8140-00-739-0233	XB3

KC-135 Aircraft

Item	NSN	ERRC
Kits, first aid	6545-00-919-6650	XB3
Hot Beverage Unit	7310-00-605-7844	XB3
Water jugs	7330-00-532-5367	XB3

C-141 Aircraft

Item	NSN	ERRC
Kits, first aid	6545-00-919-6650	XB3
Flare magazine retainer plate, MJU-34A	5340-01-394-0251	XB3
M-548 Storage Container	8140-00-739-0233	XB3
Bumper assembly (LH)	1560-00-906-3016	XB3
Bumper assembly (RH)	1560-00-691-1868	XB3

UH-1H Aircraft

Item	NSN	ERRC
Fire Extinguishers, Halon	4210-01-128-1673	XB3
Main Rotor tie-down	1730-00-427-7939	XB3
Tail Rotor tie down	1680-00-967-1821	XB3
Tail Pipe covers	1730-00-539-6120	XB3
Engine Inlet cover (RH)	1560-00-168-6045	XB3
Engine Inlet cover (LH)	1560-00-168-6046	XB3
Pitot Cover	1730-00-674-1946	XB3
Nose Cover	Local Manufacture	XB3
Map Holder	Local Manufacture	XB3
4-man troop seat	1680-00-498-2991	XB3
Safety Belts	1680-01-457-6922	XB3
Stanchion Assy	1680-00-941-8708	XB3
Ring Assy	5306-00-967-1775	XB3
First Aid Kit	6545-00-919-6650	XB3

9.7. **Using Command.** HQ AMC/LGM is the office of primary responsibility (OPR) for active units

9.7.1. Conditions may occur (i.e., equipment is lost, replaced, and then later recovered) that result in overages of assets. These overages can go undetected by the -21 item manager until the annual inventory is accomplished (see **9.3.4.2. (Added)**); therefore, -21 equipment sections may have overages during unscheduled inspections, audits, and inventories. All -21 sections, or equivalent, may have on hand up to 10 percent over the total authorized level of ERRC NF, ND, XD, XF and XB3 assets. The intent of this overage allowance is to compensate for fluctuations of on-hand equipment between inventories. It is not intended to authorize units to arbitrarily increase equipment authorizations. Report all overages during annual inventory to HQ AMC/LGMA via email. For AFRC units, as inventories change, update GO81 Screen 9015 to allow for an accurate visibility of -21 items.

9.9.2. Aircraft Support Flight manages and maintains -21 equipment and ensures aircraft configuration changes are documented, as necessary, in the G081 automated system. Exception: For the C-17, documentation of aircraft configuration changes is an Aircraft Maintenance Unit (AMU) function.

9.9.4. Aircraft Support Flight maintains the CA/CRL or SPRAM listings.

9.9.4.3. Units must report any shortages by message to HQ AMC/LGM and HQ AFRC/LGMA, as applicable for corrective actions. Ensure accountable records (i.e., custody account (CA)/custody receipt listing (CRL)) are annotated to show the inventory has been completed. The appropriate MAJCOM will direct the redistribution of assets as required.

9.9.4.3.1. Equipment Identification. Identifying -21 equipment (using stencils) is necessary to properly inventory and maintain control of assets by the owning organization. The identification system is also useful to help identify ownership of equipment removed off station due to mission requirements. If equipment is properly and clearly marked it will make it easier to identify the owning organization in order to

facilitate equipment return. Place the stencil in a conspicuous location so that it is readily identifiable when installed on the aircraft to preclude from removing or disassembling the item. If equipment is too small to be marked (that is too small to stencil with black paint), mark with a black permanent marker or an engraver if possible. If the item is still too small for a marker or engraver, (Example: Tie down rings), then disregard marking it. HQ AMC/LGM (Active Duty and Reserve Associate) is waiver authority for this requirement. The following procedures apply for marking aircraft -21 equipment:

9.9.4.3.1.1. (Added) All organizations, except C-5, KC -135, C-17, and C-141 units, will stencil their organization identifier (e.g., 317AG, 43AW, etc.) on each piece of -21 equipment, using **black paint only**.

9.9.4.3.1.2. (Added) . The C-5, KC -135, C-17, and C-141 organizations will stencil their organization identifier (e.g., 439AW, 60AMW, 459AW, 62AW, etc.) on each piece of -21 equipment (Example: 319 ARW Black letters on yellow background) using the following color(s) code:

AMC Units	AFRC Units
6 ARW--Black/White	433 AW—Purple
19 ARG--Black/Blue	434 ARW--see NOTE 2
22 ARW--Black/Red	439 AW--Light Blue
60 AMW—Blue	445 AW—Red
62 AW—Green	452 AMW (452 AGS) Yellow
92 ARW--Black/Orange	452 AMW (752 AGS) see NOTE 2
305 AMW—White	459 AW—Black
436 AW—Brown	507 WG--see NOTE 2
437 AW—Orange	916 ARW--see NOTE 2
	927 ARW--see NOTE 2
	931 ARG--see NOTE 2
	940 ARW--see NOTE 2

NOTES:

1. Mark items that are too small to stencil with the color(s) only. Applied paint will not interfere with the operation of the item. See Paragraph [9.9.4.3.1](#).for additional guidance.
2. AFRC KC-135 units will stencil their organizational identifier on each piece of -21 equipment using their designated tail stripe color code.
3. All KC-135 units are exempt from marking or stenciling the following -21 items normally handled by aerial port at other MDS locations :

Item	NSN	ERRC
10,000 lb. Tie-down Device	1670-00-212-1149	XB3
5,000 lb. Tie-down Device (Nylon)	1670-00-725-1437	XB3
5,000 lb. Shackle	1670-00-533-9968	XB3
10,000 lb. Shackle	1670-00-348-5887	XB3
10,000 lb. Chain Assembly	1670-00-332-5364	XB3
5,000 lb. Chain Assembly	1670-00-516-8405	XB3

9.9.5. The -21 equipment section within the Aircraft Support Flight is the base-level organization responsible for daily asset management and control of aircraft -21 equipment. For those units that do not have -21 sections or aircraft support flights, the activity that is responsible for aircraft generation launch and recovery operations will perform these duties, i.e. Sortie Generation Flight for C-17s. The -21 equipment section will:

9.9.5.1. Configure aircraft according to directives.

9.9.5.2. Ensure delivery and installation of additional -21/AME equipment based on mission requirements and additional equipment remarks on the flying schedule (as applicable).

9.9.5.3. Update the automated inventory system as changes occur for -21 equipment using the quantities listed on the AF Form 4076.

9.9.5.4. Maintain the most current AF Form 4076 (aircraft away on an off station mission) and any other documentation pertaining to the recovery of lost or removed -21 equipment for that aircraft.

9.9.5.4.1. (Added) Contact the owning aircraft QA Weight and Balance program manager when -21 equipment is added to or removed from the aircraft away from home station if the weight difference changes by 2 pounds for aircraft under 25K or 5 pounds for aircraft over 25K basic weight in accordance with TO 1-1B-50. A weight and balance adjustment will be required. Additionally, document the AFTO Form 781A to identify type of -21 equipment removed or added to the aircraft. AMS and 743 AMXS will follow procedures in AFI 21-101/AMC SUP 1 to resolve issues on W&B requirements/problems. 9.9.5.5. Ensure aircraft departing home station have a current inventory of installed -21 equipment. C-9, KC-10, KC-135, and UH-1H aircraft are exempt from using AF Form 4076, use AF Form 4076 or AF Form 2692 (transfers) as applicable for aircraft departing CONUS. Initiate an AF Form 4076 in duplicate prior to aircraft departing home station.

9.9.5.5.1. (Added) Place the original copy and at least two extra blank copies in the AFTO Form 781 series binder.

9.9.5.5.2. (Added) Keep a duplicate copy of the AF Form 4076 on file as a source document.

9.9.5.6. (Added) Perform an inventory check as soon as possible after block-in of home station aircraft to determine quantity, completeness, and serviceability of assets, and complete the final check block on the AF Form 4076.

9.9.5.7. (Added) Check the AFTO Forms 781A for any -21 equipment discrepancies and initiate action to replace/repair any missing/broken equipment.

9.9.5.8. (Added) The -21 section, or equivalent, as listed above, is not responsible for maintaining or storing chaff/flare magazines or retainer plates. These items are maintained by ECM shop and when pre-loaded are stored and delivered by munitions flight within the maintenance or component repair squadron (as applicable). These items were added to the aircraft equipment list as a vehicle to track and transfer them.

9.9.5.9. (Added)) -21 section, or equivalent as listed above, is responsible for storage and delivery of serviceable Portable (O2) Oxygen Walk Around Bottles to meet all mission needs including aeromedical missions. The -21 function is responsible for storage but is not responsible for repair. The Electro/Environmental Shop or equivalent function has responsibility for repair/replacement of the oxygen regulator and bottle assembly to include all inspections and hydrostatic tests in accordance with applicable technical data. For AE units at Pope and Scott AFB, to include AE Crews embedded in Mobile Air Staging Facilities (MASF), the -21 section or equivalent sortie generation activity will be responsible for storage of bottles with the Electro/Environmental shop or equivalent function responsible for maintenance. The AE unit is responsible for issue, receipt and accountability of their AE bottles that are required for operational/training missions or deployments to support their DOC statement. Enough bottles will be maintained to support crewmembers in each DOC tasked crew.

9.9.5.10. (Added) Loan -21 equipment to transient AMC aircraft or other AMC units when such equipment is available and required to continue the aircraft mission. Annotate the AF Form 4076 accordingly in the next open check column to show the increase of equipment. Ensure the location and date is annotated in the appropriate blocks at the top of the column. Additionally, document the AFTO Form 781A so the assets can be returned. The entry will include mission number, the equipment loaned, unit loaning the equipment, point of contact for returning equipment, (i.e., name, DSN, etc.) and returning unit (i.e. McGuire, McChord). Retain a record in a suspense file until return of equipment. If equipment is not returned within 30 days from the date of loan, notify the unit/home station that borrowed the equipment via message with info copy sent to HQ AMC/LGM or HQ AFRC/LGMA.

9.9.5.11. (Added) The -21 section, or equivalent, is responsible for storage and delivery of Prepositioned Aeromedical Emergency Evacuation Equipment (PAEEE). Use of PAEEE is governed by AMCI 11-208, *Tanker/Airlift Operations*. PAEEE must be returned to the appropriate en route location as soon as possible.

9.9.5.12. (Added) Return loaned -21 equipment to the owning organization as soon as possible, but not later than 30 days after the date loaned.

9.9.5.13. (Added) Maintain AF Forms 1297, **Temporary Issue Receipt**, in the aircraft -21 equipment folder for equipment removed at AMC en route stations and Forward Operating Locations (FOLs) until returned. AMC Enroute units must ensure -21 equipment folders are current and any equipment removed is properly documented and accounted for. With the exception of prepositioned equipment, return all -21 equipment removed from transient aircraft to the owning organization as soon as possible but not later than 30 days after the date removed from the aircraft.

9.9.5.14. (Added) Be accountable for starter breech caps used on installed engines of C-135 series aircraft. Breech caps not installed on aircraft mounted engines will be stored by the -21 section.

9.14. **Adjusting for Shortages.** HQ AMC/LGM, and HQ AFRC/LGMA, must coordinate with each other to make equipment adjustments, if required.

9.14.1. Organizations will immediately report shortages affecting mission integrity by message to HQ AMC/LGM, HQ AFRC/LGMA and info the EMTFs (as applicable). Hold disposition of overages and

requisitions to replace shortages in abeyance pending HQ AMC/HQ AFRC/HQ determination. If the applicable MAJCOM instructs you to requisition shortages based on authorization levels, initiate a report of survey on each shortage.

9.16.2. AMC aircraft and AMC gained aircraft tasked with countermeasures will carry empty M-548 cans as on board loose equipment to facilitate en route countermeasures download. AMC aircraft will carry empty countermeasures magazines stored in M-548 containers.

Attachment 19 (Added)**COMMAND-UNIQUE EQUIPMENT**

A19.1. (Added) The following tables identify assets that have been identified as command-unique equipment in conjunction with the applicable -21 weapon system TOs. Applicable units will maintain quantities authorized by this attachment. Unless otherwise indicated, quantities listed are based on authorized items per aircraft. Only MAJCOM HQ as applicable, approves waivers to maintain quantities other than these levels. Assign local line item numbers that do not conflict with -21 TOs.

<u>C-5 COMMAND-UNIQUE EQUIPMENT</u>
SECTION I, Maintenance Safety and Protective Equipment (MSPE): N/A
SECTION II, Alternate Mission Equipment (AME): N/A
SECTION III, Crew and Passenger Support Equipment (CPSE): N/A

<u>C-9A COMMAND-UNIQUE EQUIPMENT</u>
SECTION I, MSPE: N/A
SECTION II, AME: N/A
SECTION III, CPSE: N/A

<u>C-9C COMMAND-UNIQUE EQUIPMENT</u>		
SECTION I, (MSPE): N/A		
SECTION II, AME		
Nomenclature	Part Number	Quantity
Copier, Xerox with 8 1/2" paper tray	XEROX 1025	1
Typewriter, electric, IBM Wheel Writer	1500	1
Safe, combination	7110-00-920-9339	1
SECTION III, CPSE		
Nomenclature/Part Number	Part Number	Quantity
Color TV, Panasonic (20") with remote	PV-M2053	1
Stereo, alpine, with CD shuttle	5952ZX	1
Cordless headset, stereo	JCK/200-A1	1
Digital clock, 2 position wood (Gulfstream)	P/N SC41503006-03	1
Emerson microwave	MT3060	1

<u>KC-10 COMMAND UNIQUE EQUIPMENT</u>		
SECTION I, MSPE: N/A		
SECTION II, AME (NOTE: Requires CCM modified aircraft.)		
Nomenclature	Part Number	Quantity
PSK2 JTFCCM/CS for Yokota AB	N/A	A/R
PSK3 JTFCCM/CS for McGuire AFB	N/A	A/R
SECTION III, CPSE: N/A		

<u>C-17 COMMAND-UNIQUE EQUIPMENT</u>		
SECTION I, MSPE: N/A		
SECTION II, AME (NOTE: Requires CCM modified aircraft.)		
Nomenclature	Part Number	Quantity
PSK2 JTFCCM/CS for Yokota AB	N/A	A/R
PSK3 JTFCCM/CS for McGuire AFB	N/A	A/R
SECTION III, CPSE: N/A		

<u>C-130 COMMAND-UNIQUE EQUIPMENT</u>
SECTION I, MSPE: N/A
SECTION II, AME: N/A
SECTION III, CPSE: N/A

<u>KC-135 COMMAND-UNIQUE EQUIPMENT</u>
SECTION I, MSPE: N/A
SECTION II, AME: N/A
SECTION III, CPSE: N/A

<u>C-141 COMMAND-UNIQUE EQUIPMENT</u>		
SECTION I, MSPE: N/A		
SECTION II, AME		
Nomenclature	Part Number	Quantity
Table	Local Manufacture	A/R
DV Step Set (1 front, 1 back)	Local Manufacture	A/R
Support Curtain	Local Manufacture	A/R
Carpet, Roll	AY6026-55880	A/R
Curtain, Weather	Local Manufacture	A/R
Seat, Enhanced Triple, LH (Per Primary Assigned Aircraft)	838005-401	4
Seat, Enhanced Triple, RH (Per Primary Assigned Aircraft)	838005-402	4
Seat, Enhanced Triple	Model 940-02BR-3R	A/R

SECTION III, CPSE

Nomenclature	Quantity
Protector, head	A/R
Civic Leader Kit (with pallet mounted DV double seats	A/R
Joint Task Force Command & Control Module (JTFCCM)	A/R
CINC Kit	A/R

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