

**BY ORDER OF THE COMMANDER
LUKE AIR FORCE BASE**

**LUKE AIR FORCE BASE
INSTRUCTION 21-115**



30 SEPTEMBER 2025

Maintenance

**CRASHED AIRCRAFT
DISPOSAL PROCEDURES**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements Department of the Air Force Policy Directive (DAFPD) 21-1, *Maintenance of Military Materiel*; AFI 16-402, *Aerospace Vehicle Programming, Assignment, Distribution, Accounting, and Termination*; and Department of Defense (DoD) 4160.21 Volume 4, *Defense Materiel Disposition Manual: Instructions for Hazardous Property and Other Special Processing Materiel*. It references DoD 4160.28-M, Volume 2, *Defense Demilitarization: Demilitarization Procedures*; and TO 00-80C-1, *Crashed, Damaged, Disabled Aircraft Recovery Manual*. This instruction establishes procedures and responsibilities for all base agencies, to include Air Force Reserve Command and Air National Guard, required to properly, safely, and efficiently dispose of the remains of a crashed aircraft. Refer recommended changes and questions about this publication to the OPR using the DAF Form 847, *Recommendation for Change of Publication*; route DAF Forms 847 from the field through the appropriate functional chain of command. Ensure all records generated as a result of processes prescribed in this publication adhere to Air Force Instruction (AFI) 33-322, *Records Management and Information Governance Program*, and are disposed in accordance with the Air Force Records Disposition Schedule, which is located in the Air Force Records Information Management System. This publication may not be supplemented or further implemented or extended. The authorities to waive wing, unit, delta or garrison level requirements in this publication are identified with a Tier (“T-0, T-1, T-2, T-3”) number following the compliance statement. Submit requests for waivers through the chain of command to the appropriate tier waiver approval authority or alternately to the publication OPR for non-tiered compliance items. See DAF Manual (DAFMAN) 90-161, *Publishing Processes and Procedures*, for a description of the authorities associated with the tier numbers.

SUMMARY OF CHANGES

This document has been substantially revised and must be completely reviewed. The revisions include transfer of ownership from 56 EMS/MXM to 56 MXG/MXQ. Changes include publications referenced used. Also, updated attachments to this publication.

1. Responsibilities.

1.1. Owning Aircraft Maintenance Unit (AMU) will:

1.1.1. Assign an Aircraft Disposal Officer (ADO) as the point of contact and to coordinate all aspects of wreckage disposal.

1.1.2. Contact Reclamation Program Control Manager (RPCM), AFMC HQAFMC/A4RM (DSN 986-1770) (Commercial: 312-986-1770) to have save list initiated. Please provide aircraft tail number and Mission Design Series designator. The RPCM will then contact the RPCO/418 SCMS/GUBA for two copies of a "Save List" 801-775-3777 (DSN 775-3777).

1.1.3. Execute the Local Disposition Checklist (LDC) (**Attachment 2**). Ensure the Defense Reutilization & Marketing Service (DRMS) Aircraft Turn-In Checklist (ATIC) (**Attachment 3**) is completed and has the appropriate signatures.

1.1.4. Assist the responsible clean-up organization (as needed) if 56th Operational Medical Readiness Squadron (OMRS) Bioenvironmental Engineering (BEE) identifies a potential health hazard.

1.1.5. Recover salvageable components identified on "Save List" for 56th Logistics Readiness Squadron (LRS) Flight Service Center processing.

1.1.6. Ensure all classified items are removed from the wreckage and turned in for 56 LRS Flight Service Center processing or demilitarized in accordance with (IAW) DoD 4160.28, Volume 2.

1.1.7. Ensure Explosive Ordnance Disposal (EOD) personnel evacuate/safe damaged aircraft weapons systems and ordnance. **Do not** co-mingle Ammunition, Explosives and Dangerous Articles (AEDA) items with other wreckage.

1.1.8. Recover, process, and dispose of aircraft batteries or cells using established procedures.

1.1.9. Using applicable technical data, identify any components containing radioactive materials and coordinate with BEE for disposal.

1.1.10. Drain all structures and components of residual fluids and properly dispose of fluids.

1.1.11. Ensure all compressed gas cylinders are removed and disposed of properly.

1.1.12. Coordinate with DRMS and 56 LRS for containers and to move the wreckage.

1.1.13. Place the wreckage into containers.

1.1.14. Coordinate the turn-in of the containers and the AEDA (see [paragraph 1.1.7](#)) residue with 56 LRS with DRMS.

1.2. EOD:

1.2.1. Identify location of ordnance and aircraft explosive hazards, and work in conjunction with AIB site led to remediate all hazards, segregating them from the wreckage prior to the commencement of recovery efforts or turn into DRMS. Escape system components will be inspected by life support/egress personnel escorted by EOD prior to the EOD rendering safe and/or removal of components.

1.2.2. Certify that the wreckage is safe on the ATIC. The certifier must be a trained EOD Craftsman (7-Level) appointed by the Civil Engineer Squadron Commander (or officially delegated individual) to perform these duties and be identified on an appointment letter, "Munitions Residue Certifying Officials", kept on file at the EOD flight. This includes ensuring all interior spaces can be visually inspected by various personnel during the investigation process.

1.3. BEE:

1.3.1. Evaluate the wreckage storage area for potential carbon fiber and other health hazards, provide guidance in clean-up efforts, and identify all personal protective equipment requirements.

1.4. 56 CMS:

1.4.1. Fuel System Repair Section:

1.4.1.1. Recover hydrazine tank and store at authorized hydrazine facility while awaiting disposition instructions.

1.4.1.2. Properly prepare hydrazine tank for shipment to authorized depot facility for inspection or disposal.

1.5. 56 LRS:

1.5.1. 56 LRS Flight Service Center:

1.5.1.1. Process and route crashed aircraft components IAW found-on-base turn-in procedures.

1.6. 56th Equipment Maintenance Squadron (56 EMS):

1.6.1. Armament Systems Flight:

1.6.1.1. Inspect the wreckage for salvageable weapons system items identified on the "Save List," and process items through 56 LRS Flight Service Center.

1.6.2. Transient Alert Section:

1.6.2.1. Clean up identified carbon fiber hazards in the aircraft storage area IAW BEE directions employing trained technicians using proper PPE for identified hazards.

1.6.2.2. Certify on the ATIC that carbon fiber parts being turned in to DRMS have had fixative applied IAW applicable directives.

2. Aircraft Disposal Procedures:

2.1. Foreign Military Sales aircraft should be disposed of according to owning country instructions.

2.2. The ADO, using the LDC (**Attachment 2**), will ensure aircraft wreckage is turned in to DRMS.

2.2.1. Non-salvageable classified items must be demilitarized by the owning organization before turning them in with the wreckage.

2.2.2. Prior to turn-in to DRMS, certify that the wreckage is safe on the ATIC. The certifier must be a trained EOD craftsman or journeyman appointed by the Civil Engineering Squadron commander to perform these duties and be identified on an appointment letter on file at the EOD flight. The owning AMU will keep these components segregated from the normal wreckage and identify them to DRMS personnel.

2.2.3. All items from the aircraft wreckage, except those outlined in 2.2.1 and 2.2.2, do not need to be individually demilitarized if they are to be turned in as part of the wreckage. DRMS will make the demilitarization a "condition of sale." Items disposed of separate from the wreckage may require demilitarization by the owning agency prior to turn into DRMS.

2.2.4. The ADO will ensure all items on the ATIC (**Attachment 3**) are completed and certified by the performing work centers.

2.2.5. After the ATIC is completed, the owing squadron maintenance authority will certify on the ATIC that the listed items are complied with, and the aircraft wreckage is hazard free.

2.2.6. The completed ATIC and a completed DD Form 1348-1A, *Issue Release/Receipt Document*, will be turned into DRMS along with the aircraft wreckage.

DAVID J. BERKLAND
Brigadier General, USAF
Commander

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

DAFPD 21-1, *Maintenance of Military Materiel*, 21 February 2024

AFI 16-402, *Aerospace Vehicle Programming, Assignment, Distribution, Accounting, and Termination*, 27 Sep 2019

Department of Defense (DOD) 4160.21 Volume 4, *Defense Materiel Disposition Manual: Instructions for Hazardous Property and Other Special Processing Materiel*, 22 Oct 2015 with IC4 15 December 2022

DOD 4160.28, *Volume 2, Defense Demilitarization: Demilitarization Procedures*, 1 November 2022

TO 00-80C-1, *Crashed, Damaged, Disabled Aircraft Recovery Manual*, 28 July 2024

Adopted Forms

DAF Form 847, *Recommendation for Change of Publication*

AF Form 451, *Request for Packing Service*

AFTO Form 350, *Reparable Item Processing Tag* DD Form 1348-1A, *Issue Release/Receipt Document* DD Form 1577-2, *Unserviceable (Reparable) Tag*

Abbreviations and Acronyms

ADO—Aircraft Disposal Officer

AEDA—Ammunition, Explosives and Dangerous Articles

AFI—Air Force Instruction

AFMAN—Air Force Manual

AFRIMS—Air Force Records Information Management System

AIB—Aircraft Investigation Board

AMU—Aircraft Maintenance Unit

ATIC—Aircraft Turn-In Checklist

BEE—Bioenvironmental Engineering

CMS—Component Maintenance Squadron

DOD—Department of Defense

DRMS—Defense Reutilization & Marketing Service

EMS—Equipment Maintenance Squadron

EOD—Explosive Ordinance Disposal

IAW—In Accordance With

LDC—Local Disposition Checklist

LRS—Logistics Readiness Squadron

RPCM—Reclamation Program Control Manager

Terms

Salvageable Item—a salvageable item is defined as an item needing only very minor or superficial repairs. The salvaged item needs to be turned in to supply according to the directions outlined on the Aircraft Turn-In Checklist ATIC (**Attachment 2**).

Attachment 2

LOCAL DISPOSITION CHECLIST (LDC)

Figure A2.1. Local Disposition Checklist, Page 1 of 4.

LOCAL DISPOSITION CHECKLIST (LDC)		1 of 4	
AIRCRAFT DISPOSAL OFFICER		DATE	
<p>IMPORTANT: Classified or explosive items must be demilitarized prior to turn in to DRMS. All other items from the aircraft wreckage do not need to be individually demilitarized if they are to be turned in as part of the wreckage. DRMS will make the demilitarization a "condition of sale." If an item from the aircraft wreckage is turned in separately verify item demilitarization requirements in accordance with DoD 4160.28-M V2. Demilitarization may need to be accomplished by the owning agency. Contact DRMS for turn-in requirements and, if demilitarization is required, Bioenvironmental Engineering for a hazard evaluation.</p>			
ITEM	OPR	ITEMS	
1	AMU	Appoint Aircraft Disposal Official (ADO) as POC to ensure proper coordination of the aircraft disposal process.	
2	ADO	<p>a. Contact Reclamation Program Control Manager (RPCM), AFMC HQAFMC/A4RM (DSN 986-1770) (Commercial: 312-986-1770) to have save list initiated. Please provide aircraft tail number and Mission Design Series designator. The RPCM will then contact the RPCO/418 SCMS/GUBA for two copies of a "Save List" 801-775-3777 (DSN 775-3777).</p> <p>b. Deliver one copy of "Save List" to Supply Turn-In Section for proper inventory.</p>	
3	ADO	Coordinate with the transportation squadron vehicle dispatch for a vehicle and DRMS for containers, if available, to be delivered to the wreckage storage area. Note: The vehicle NCO will need to contact dispatch for the scheduling of a vehicle.	
4	ADO	<p>Coordinate a meeting at the current wreckage storage area between EOD, Bioenvironmental Engineering (BEE), Fuels System Section and Armament Flight to coordinate personnel and resources in the following tasks:</p> <p>a. Assessment of storage area for improperly contained composite fibers and/or other potential health hazards.</p> <p>b. Identify areas needing immediate clean up.</p> <p>c. Plan for areas needing follow up attention. Example: bags or containers of loose carbon fiber debris may have to be reopened for EOD inspection and may require additional applications of a fixative to safe disturbed/exposed carbon fiber.</p> <p>d. Implement steps to concurrently inspect (by all agencies) and load wreckage into containers.</p>	

Figure A2.2. Local Disposition Checklist Continuation, Page 2 of 4.

LOCAL DISPOSITION CHECKLIST (LDC)			2 of 4	
*NOTE: Steps 5 through 9 should be done concurrently to minimize duplication of effort and the disturbance of settled carbon fiber material.				
5	CES	EOD:		
		<p>a. Re-inspect all aircraft wreckage for hazardous components and safe as required.</p> <p>b. Identify location of ordnance and hazardous components, safe and properly recover all hazardous components and ordnance required by the AIB. Segregate all explosive hazards from wreckage prior to recovery efforts. Escape system components will be inspected by life support/egress personnel prior to EOD safing the components.</p> <p>c. Prepare a 1348-1A for the AEDA residue. Individually list each item covered by the 1348-1A and certify on the document that all AEDA residue is inert. File a copy of the 1348-1A with the EOD report on the accident.</p> <p>d. Package and mark the certified AEDA residue and turn it over to the AMU for turn-in.</p> <p>e. Certify that the wreckage is safe on the DRMS Aircraft Turn-In Checklist (ATIC). The certifier must be a trained EOD craftsman or journeyman appointed by the Civil Engineer Squadron commander to perform these duties and be identified on an appointment letter on file at the EOD flight.</p>		
6	CMS	Fuel Systems Repair:		
		<p>a. Recover hydrazine tank and store at authorized hydrazine facility while awaiting disposition instructions.</p> <p>b. Properly prepare hydrazine tank for shipment to authorized depot facility for inspection or disposal.</p>		
7	CMS	Electro-Enviromental Section:		
		Process and dispose of aircraft batteries/cells through established channels.		

Figure A2.3. Local Disposition Checklist Continuation, Page 3 of 4.

LOCAL DISPOSITION CHECKLIST (LDC)			3 of 4	
8	EMS	<p>Transient Alert:</p> <p>a. Coordinate with BEE for actions required to safe the area if a composite fiber hazard exists.</p> <p>b. Verify carbon fiber material has been treated per applicable directives and sign the DRMS ATIC. (May be required during the final movement of wreckage to ensure previously unexposed areas are inspected.)</p> <p>c. Ensure all loose carbon fiber materials are appropriately wrapped and packaged IAW TO 00-80C-1. All large pieces/structures of carbon fiber will be turned in to DRMS.</p>		
9	EMS	<p>Armament Flight:</p> <p>Recover any salvageable weapons system components identified on the "Save List."</p>		
10	ADO	<p>a. Ensure all salvageable classified items are removed from wreckage and set aside. Ensure ALL other classified items are demilitarized IAW DoD 4160.28-M V2 and turn in with wreckage.</p> <p>b. Ensure all salvageable components identified on the "Save List" are removed from the wreckage.</p> <p>c. Ensure all batteries are removed and routed to the Electro-Environmental Shop for disposal.</p> <p>d. Determine through applicable technical data, and remove from the wreckage, any components that contain radioactive materials. Contact BEE for disposal instructions.</p> <p>e. Ensure compressed gas cylinders are depressurized prior to shipment.</p> <p>f. Ensure aircraft structures and components are purged of fluids.</p>		

Figure A2.4. Local Disposition Checklist Continuation, Page 4 of 4.

LOCAL DISPOSITION CHECKLIST (LDC)			4 of 4	
<p>*NOTE: After all salvageable items on the "save list" have been removed from the wreckage turn in the items using the following procedures:</p>				
11	ADO	<p>a. Fill out two DD Forms 1577-2 (green tags) for each item using condition code "P" and annotate in the remarks section that the item is from a crashed aircraft.</p> <p>b. Complete an AFTO Form 350 for each item and annotate in the discrepancy block that the item is from a crashed aircraft.</p> <p>c. Complete an AF Form 451: Request for Packing Service for each item (the unit reusable containers monitor can assist in completion of the form).</p> <p>d. Deliver items, with the appropriate tags, to the 56 LRS Flight Service Center.</p>		
12	ADO	<p>a. Complete DRMS ATIC and DD Form 1348-1A for the wreckage with the assistance of owning AMU supply.</p> <p>b. Coordinate with 56 LRS for a vehicle and DRMS to establish a time to turn in the wreckage and AEDA residue.</p>		

Attachment 3

DLS-DS AIRCRAFT TURN-IN CHECKLIST & CERTIFICATION

Figure A3.1. DLA-DS Aircraft Turn-in Checklist & Certification.

DLA-DS Aircraft Turn-in Checklist & Certification	
Tail Number: _____	Turn-in Doc # _____
Aircraft Category (circle one) A B C	

Note: Complete one checklist per tail number. Ensure all required certifications and documents are complete, valid, and attached. Confirm with your servicing DLA Disposition Services Representative that all documentation is complete. Enter "Not Applicable" for items that do not apply and "Waiver Attached" if requirements were waived.

References: DoDM-4160.21; DoDI-4160.28; DoDM- 4160.28 Vol 2

Task	Performed by: Name, Rank/Grade Signature.	Date
DoD Screening accomplished (Services)		
Applicable Engine Program Manager released Engines for disposal. (attach)		
GSA release received (attach)		
Reclamation/Save List actions completed (do not attach)		
Classified items removed		
All liquids drained and HAZMAT removed		
All Batteries removed		
All Compressed Gas Cylinders removed		
Composite Materials have Fixative applied		
All Historical & Maintenance Records/Logs, or a statement why they are not available (attach)		
Radioactive components removed and certification signed by base Radiation Protection Officer (attach)		
Inert Certification completed- requires two appointed personnel signatures (attach).		
I Certify that, to the best of my knowledge and ability, this aircraft is hazard free. Reviewed and certified by:		