

**BY ORDER OF THE COMMANDER  
MOUNTAIN HOME AIR FORCE BASE**



**AIR FORCE INSTRUCTION 21-201  
MOUNTAIN HOME AIR FORCE BASE  
Supplement**

**9 FEBRUARY 2017**

**Maintenance**

**LOCAL MUNITIONS MANAGEMENT  
PROCEDURES**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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This instruction supplements requirements outlined in Air Force Instruction (AFI) 21-201, Conventional Munitions Maintenance Management, and ACC Supplement; Technical Order (TO) 00-20-9, Forecasting Replacement Requirements for Selected Calendar and Hourly Time Change Items; ACCI 21-165, MHAFB Supplement, Aircraft Flying and Maintenance Scheduling Procedures, MHAFBI 21-203, Storage, Transportation, Handling, Accountability and Control of Impulse Cartridges. This instruction applies to all personnel involved in the use, handling and accountability of munitions supplied by 366th Equipment Maintenance Squadron, Munitions Flight (366 EMS/MXMW). This publication does not apply to Air National Guard units or the Air Force Reserve Command. Waiver requests will be submitted in writing to Munitions Flight Commander/Chief, or by email to 366 AMMO Storage Area Supervision mailbox. Ensure that all records (e.g., munitions forecasts; munitions requests; AF Form 2407, Weekly/Daily Flying Schedule Coordination; AF IMT 2434, Munitions Configuration and Expenditure Document; AF IMT 4331, Munitions Transaction Sheet; Universal Ammunition Loading System (UALS)/Linkless Ammunition Loading System (LALS) data sheets; AFTO Form 350, Repairable Item Tag, etc.) created as a result of processes prescribed in this publication are maintained IAW Air Force Manual (AFMAN) 33-363, Management of Records, and disposed of IAW Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS). Contact supporting records managers as required. Refer recommended changes and questions about this publication to the OPR using AF Form 847, Recommendation for Change of

Publication, route AF Forms 847 from the field through the appropriate functional chain of command. See Attachment 1 for a Glossary of References and Supporting Information.

### ***SUMMARY OF CHANGES***

This document has been substantially revised and must be completely reviewed. Major changes include updated the link to the 366th Fighter Wing Aircrew Training Allocation Database. Added procedures to gain access to Combat Ammunition System (CAS) for expeditors. Added procedure for Aircraft Maintenance Unit (AMU) Expeditors to process CAS transactions. Added Post-Post procedures. Added S/N tracked assets and RECON procedures. Added MPPEH (Material Potentially Presenting an Explosive Hazard) procedures.

2.6.6.1.3 (Added) Expeditors will be appropriately trained by their supervisor(s) on CAS screens and documented in training records prior to requesting CAS access. Expeditors will provide a list of trained personnel to Munitions Operations.

#### **2.13. (Added) AMU Weapons will:**

2.13.1. (Added) Supervise accountability efforts and management of munitions on the flight line. Perform munitions reconciliation after aircraft GOs. Process expenditure information in CAS as aircraft activity occurs throughout the flying day, striving to meet the Air Force goal of 1 hour. As a minimum, process required transactions between aircraft GO's. Weapons Expeditors will account for and turn-in safing gear and expendables to Line Drivers between aircraft GOs.

2.13.2. (Added) Use CAS to manage munitions upload, download, cross-load and expenditure data.

2.13.3. (Added) Ensure munitions are only loaded on aircraft scheduled to fly in support of the printed weekly flying schedule. 20 millimeter (20mm) ammunition may remain loaded unless aircraft is required for maintenance/serviceability inspections, or as directed by Munitions Flight.

2.13.4. (Added) Document ammunition upload/download on load sheet IAW Attachment 7.

2.13.4.1. (Added) In the event of 20mm ammunition jam during aircraft loading or downloading, Munitions Control will dispatch a gun jam trailer. Download partial loads from aircraft into containers and annotate which aircraft the rounds came from. Line Drivers will transport jammed UALS/LALS and jam trailers to Armament Flight (366 EMS/MXMR) for ammunition download. Damaged ammunition must be returned to the MASO for accountability purposes.

2.13.5. (Added) Ideally, request munitions from Munitions Control NLT 6-hours prior to aircraft take-off time for heavy bombs and 20mm ammunition, and NLT 3-hours prior to aircraft take-off for CATMs, BDU-33s and countermeasures, based on times annotated in the weekly flying schedule. Coordinate flying schedule changes IAW the MHAFB Supplement to ACCI 21-165. ONE taskings will take priority over daily scheduled work when received.

2.13.6. (Added) Annotate and attach an AFTO Form 350, Repairable Item Tag, (Attachment 9), to broken or suspect munitions, including training missiles, chaff/flare modules, cartridges from hung bombs and 20mm ammunition downloaded into containers (one tag per can).

- 2.13.7. **(Added)** Coordinate TMU-72 argon coolant tank servicing with Munitions Control. To greatest extent possible, exchange coolant tanks in quantities of 12 each (1 full container).
- 2.13.8. **(Added)** Complete AF IMT 2434 with munitions currently loaded and expended on each aircraft after each Go. Send AF IMT 2434 to Munitions Control as soon as possible after each aircraft Go, but NLT 2-hours after engine shut down. The AF IMT 2434 will include cross-country or TDY aircraft. Note: It is essential during TDY tasking that expenditures and carry-forward munitions are tracked via AF IMT 2434. If no munitions personnel are TDY, turn AF IMT 2434 into Munitions Control the first duty day after aircraft return. Munitions will not be released for the next flying day until the AF IMT 2434 has been received and reconciliation is complete.
- 2.13.9. **(Added)** AMU Expediter/Load Crews are responsible for tracking and annotating individual WGU/CCG S/Ns during flight line operations on the 2434 as applicable. Weapons crews must ensure downloaded WGU/CCGs are placed back into their respective containers marked with the same S/N before returning to the MSA. Expended WGU/CCGs containers will be returned to the Munitions Flight for accountability purposes. Expeditors will assist Munitions personnel in any S/N discrepancies found between 2434 documentations and physical RECON/post-load processing.
- 2.13.10. **(Added)** Ensure munitions are not delivered to unattended location/aircraft. Pre-positioned exceptions must be approved by Munitions Flight Supervision. (Example) Static munitions delivered to hangar for retirement ceremony with no personnel present.
- 2.13.11. **(Added)** Record flight hours for each CATM on AF IMT 2434.
- 2.13.12. **(Added)** Assist with completion of special inventories associated with restricted, suspended and/or one-time inspection of munitions.
- 2.13.13. **(Added)** Ensure munitions, trailer chocks and other accessories are secured IAW TO 11- 1-38 or approved local guidance, prior to requesting movement of trailers. Munitions personnel will not hook up or move trailers unless/until munitions are properly configured and secured, and AFTO Form(s) 350 are attached if required.
- 2.13.14. **(Added)** Provide Munitions Flight with necessary parts required to maintain and repair chaff/flare modules assigned to each AMU.
- 2.13.15. **(Added)** Inventory safing gear, protective caps, BDU-33 safing blocks (C-blocks) and expended impulse cartridges and report shortages to Munitions Control. When munitions are expended, provide all items to Line Drivers. In the event of lost items, a lost tool/item report must be generated before replacement items are delivered.
- 2.13.16. **(Added)** Ensure missiles due inspection are downloaded as coordinated by Munitions Control or directed by PGM.
- 2.13.17. **(Added)** Download all countermeasures for inventory the first Friday of every month or as directed by Munitions Control.
- 2.13.18. **(Added)** Conduct and document CAS use training for personnel prior to requesting CAS access that grants accountable records processing abilities.
- 3.13.1. **(Added)** MPPEH (Material Potentially Presenting an Explosive Hazard) qualifying assets from Saylor Creek Range or EOD operations will be treated as potential explosive hazards

until the determination of the items explosive safety status has been verified. EOD will maintain a listing of personnel appointed to certify munitions assets to include scrap/residue as safe and free of explosives. Identified MDAS (Material Documented as Safe) items placed will be placed in a controlled container or cage and logged on the inventory sheet. MDAS items will be turned into the appropriate DLA or residue agency by the user as needed. Containers and packing material generated by the MSA will be certified and reported as Serviceable Excess as required.

**3.25. (Added) Argon Procedures:**

3.25.1. (Added) Line Drivers will ensure charged TMU-72 coolant tanks are provided to AMUs as required.

3.25.2. (Added) AMUs will validate actual vs. indicated pressure IAW Attachment 10, "Coolant Pressure Tank Temperature/Pressure Variation," before returning coolant tanks for recharge.

3.25.3. (Added) Return damaged coolant tanks to PGM element, with a properly filled out AFTO Form 350 (Attachment 4) for replacement.

3.25.4. (Added) Line Drivers will deliver charged TMU-72 coolant tanks to flight line expeditors for exchange.

**3.26. (Added) Controlling Expended Brass and Munitions Residue:**

3.26.1. (Added) Treat all brass and munitions residue as live until certified as residue IAW T.O. 11A-1-60. 20mm brass is used to perform reconciliation by Munitions personnel. The expended casings are accountable items until the Recon package is completed. Theft of expended 20mm brass will cause accountability discrepancies driving special inventories and unnecessary Aircraft downloads.

3.26.2. (Added) Munitions Flight will certify, seal and turn-in expended brass/residue.

3.26.3. (Added) Segregate and retain expended RSAF brass for the 428 FS until disposition is received from RSAF personnel.

**3.27. (Added) Management of Impulse Cartridges:**

3.27.1. (Added) For daily flying operations, Munitions Personnel will deliver ARD impulse cartridges with bombs as required.

3.27.2. (Added) In the event of a hung bomb, the following procedures will occur:

3.27.2.1. (Added) AMU Weapons personnel will segregate the expended/unserviceable impulse cartridge, notify Munitions Control immediately, and annotate and attach an AFTO Form 350 (Attachment 4).

3.27.2.2. (Added) Munitions Control will dispatch Line Drivers to pick up impulse cartridges with proper documentation for delivery to Conventional Maintenance.

3.27.2.3. (Added) Conventional Maintenance will determine serviceability of the impulse cartridge IAW T.O. inspection criteria and submit an Ammunition Disposition Request (ADR) if required.

- 3.27.3. **(Added)** During exercise/contingency operations, Munitions Flight will mass issue impulse cartridges to AMU weapons section(s). AMUs will keep mass-issued carts separated from custody account issued carts.
- 4.2.7. **(Added)** Perform daily/weekly inventory of trailers within the element's area of responsibility and provide to Munitions Control as required.
- 4.2.8. **(Added)** Conventional Maintenance will update WGU/CCG data in TMRS.
- 4.3.5. **(Added)** Ensure Attachment 7, UALS/LALS Upload on 20mm Ammunition Load Sheet, are properly completed prior to transporting UALS/LALS.
- 4.3.6. **(Added)** Inventory all BDU-33 safing blocks, expended impulse cartridges and safing gear after each aircraft GO with AMU Weapons Section Expediters.
- 4.3.7. **(Added)** Return all safing gear and munitions residue to applicable elements.
- 4.3.8. **(Added)** Ensure unserviceable munitions and/or equipment returned from the flight line is affixed with a properly filled out Air Force Technical Order (AFTO) Form 350, Repairable Item Tag, IAW Attachment 9.
- 4.3.9. **(Added)** Contact Munitions Control for direct input of munitions movements to and from the flight line, and for aircraft uploads/downloads. Manually deliver the munitions movement sheet if necessary.
- 4.5.10. **(Added)** Verify lot number and quantities of munitions delivered for assembly.
- 4.5.11. **(Added)** Ensure sufficient quantities of munitions are assembled to meet the weekly flying schedule, ATO/munitions load out (MLO). Apply Weapon Stock Number (WSN), field or color codes to built-up assets as applicable.
- 4.5.12. **(Added)** Physically count chaff, flare, impulse cartridge expenditures, safing gear and 20mm brass. Verify all returned munitions/equipment against expediter's expenditures to ensure accountability. Immediately bring other expenditure discrepancies to the attention of Munitions Control. Provide Munitions Operations with daily reconciliation sheet.
- 4.5.12.1. **(Added)** Conventional Maintenance personnel are responsible for updating WGU/CCG records in TMRS to include 20 flights, tracking, receiving and expenditure processing. If no Conventional Maintenance personnel with TMRS access are available, PGM personnel will assist in processing updates. If the 2434 is missing required S/N information, it will be routed back to Munitions Control for corrections with the responsible Expediter. If the S/N on the 2434 is different from the S/N on the empty returned CCG container(s), Conventional Maintenance personnel will inventory all returned containers to validate the discrepancy. Validated S/N discrepancies will be worked through Munitions Control and the responsible Expediter to correct/solve prior to updating TMRS.
- 4.5.13. **(Added)** Munitions personnel will utilize completed AF IMT 2434 to validate expenditures during reconciliation, excluding countermeasures and 20mm. Any quantity disparities found between the 2434 and the physical count by munitions personnel will be reported to Munitions Control. Corrections to the 2434, validated by the physical count, will be made by the responsible AMU/expediter.

4.5.14. **(Added)** Resupply BDU trailers with BDU-33s, lugs and ARD impulse cartridges. Update Munitions Control with quantity by WSN and update CAS to include C-block information.

4.5.15. **(Added)** Maintain build sheets for assembled munitions until all weapons on the sheet have been expended. As a minimum, this sheet will include the date assembled, WSN generated from CAS, component lot numbers and date entered in CAS.

4.5.16. **(Added)** Perform and document 7-level check as applicable.

4.5.17. **(Added)** Perform weekly/daily trailer inventories to include UALS/LALS with-in the MSA and report findings to Munitions Control as required.

4.5.18. **(Added)** Document Attachment 7, UALS/LALS Upload on 20mm Ammunition Load Sheet. Load sheet will accompany each UALS/LALS. Additionally, document upload in 20mm ammunition tracking log and CAS.

4.5.19. **(Added)** Process returned UALS/LALS and transcribe information to Attachment 8, 20mm Ammunition Tracking Sheet. If required, reload UALS/LALS and place new 20mm ammunition load sheet in toolbox and update CAS.

4.5.20. **(Added)** Physically hand count, 20mm ammunition and brass for accountability of returned assets. Immediately notify Munitions Control of inventory discrepancies. Provide Munitions Operations with daily reconciliation sheet upon processing expenditures in CAS.

5.3.2.2.1. **(Added)** Munitions Inspection Element will monitor shelf/service life items on base stock account (FV4897) or issued to custody accounts and tracked in CAS. If assets are on Custody Account, Munitions Operations will notify custodians to turn in assets identified by Munitions Inspection. Using organizations will then submit an issue request to Munitions Operations for replacement items.

6.2.2.1. **(Added)** Review published flying schedule, Air Tasking Order (ATO) or AF Form 2407 to ensure sufficient quantities of munitions are assembled and loaded on trailers. Notify affected 366 EMS/MXMW Elements of shortfalls or potential issues.

6.2.2.2. **(Added)** Ensure requested munitions are identified on the approved flying schedule or AF Form 2407.

6.2.4.1. **(Added)** Ensure munitions expenditures are completed by each AMU Weapons Section striving to meet the Air Force goal of 1 hour to the maximum extent possible after the landing of the last aircraft from each Go. Resolve discrepancies discovered during reconciliation and take actions necessary to resolve within 12 hours. Notify 366 EMS/MXMWP (Munitions Production Section Chief) and/or 366 EMS/MXMW if the problem cannot be resolved.

6.2.4.2. **(Added)** Provide AF IMT 2434 daily to Precision Guided Munitions, Conventional Munitions Maintenance and Munitions Operations.

6.2.4.3. **(Added)** Must ensure S/N's for applicable WSN's are annotated on the 2434 when received from the flight line. Any missing S/Ns on the 2434 will be routed back to the responsible Expediter for corrections.

6.2.6.1. **(Added)** Direct and create work orders for delivery of munitions trailers from flight line to the responsible Element for post-load inspection as required.

6.2.7. **(Added)** Validate munitions trailer inventory quantities reported by Munitions Flight Elements against Munitions Control 2000 (MC2)SharePoint and CAS.

6.2.8. **(Added)** Provide the AMU Weapons Flight with inspection status reports from MC2 on the last flying day of each week. Ensure missiles requiring inspections are coordinated with appropriate AMU and returned to MSA.

6.2.9. **(Added)** Coordinate download of all countermeasures with all AMUs the first Friday of each month or as directed by Munitions Flight.

6.2.10. **(Added)** For Republic of Singapore Air Force (RSAF) only: Process movement and expenditure data reported by the 428th Fighter Squadron (428 FS) AMU via AF IMT 2434

7.1.1.1.1.1.1. **(Added)** Fighter Squadron Weapons Officers will:

7.1.1.1.1.1.1.1. **(Added)** Submit quarterly munitions flying schedule forecasts no later than (NLT) the first week of the month prior to the effective quarter and monthly forecasts NLT 5 duty days prior to the beginning of the effective month to 366 EMS/MXMWSC (Munitions Scheduling), Munitions Operations and appropriate AMU.

7.1.1.1.1.1.1.2. **(Added)** Ensure changes to the quarterly/monthly projected munitions forecast are coordinated between 366 OSS/OSK, Munitions Scheduling, Munitions Operations and appropriate AMU production and weapons flight. Ensure munitions forecast include CRC (complete round code) with applicable fuze settings and quantity of munitions.

7.1.1.1.1.1.1.3. **(Added)** Enter the following week's munitions requirements into the Patriot Excalibur (PEX) NLT 2 duty days before the weekly 366th Maintenance Group (366 MXG)/366th Operations Group (366 OG) scheduling meeting.

7.1.1.1.1.1.1.4. **(Added)** Coordinate munitions requirements for departing TDY aircraft, to include spares, through Munitions Scheduling, Munitions Accountability, and the AMU production and weapons section at least 2 weeks prior to scheduled departure.

7.1.1.1.1.1.1.5. **(Added)** Provide Munitions Control, Munitions Scheduling, and appropriate AMU with a properly coordinated AF Form 2407, Weekly/Daily Flying Schedule Coordination, IAW ACCI 21-165, MHAFB Sup for all changes affecting scheduled munitions support.

7.3.1.3.1. **(Added)** Munitions users submit forecasts to Munitions Operations within the specified timeframe using the Agile Munitions Support Tool (AMST) (<https://www.my.af.mil/ammoprod/wm/>) All forecasts must be submitted using valid authorization sourced from the Ground Munitions Authorization Table (GMAT) in AMST or other valid source (i.e. T.O. or AFI)

7.4.1.4. **(Added) Accountability for Aircrew Training Munitions:**

7.4.1.4.1. **(Added)** 366th Operations Support Squadron, Weapons and Tactics (366 OSS/OSK) will:

7.4.1.4.2. **(Added)** Act as the focal point to distribute, prioritize, monitor and forecast aircrew training munitions for assigned fighter squadrons.

7.4.1.4.3. **(Added)** Ensure 366 FW leadership is notified of expenditure rates and forecasts to ensure AF expenditure goals are met for all weapon types.

7.4.1.4.4. **(Added)** Determine training munitions levels for each flying squadron and allocate as appropriate. Redistribute munitions allocations between squadrons as appropriate and agreed to by squadron Director of Weapons (DOW). DTRs/ATRs between squadrons will be vetted by 366 OSS/OSK before processing by Munitions Operations personnel.

7.4.1.4.5. **(Added)** 366 OSS/OSK will monitor expenditure rates and recommend Out-of-Cycle Request (OOCR) to the appropriate fighter squadron DOW/Weapons Element. When OOCRs are received from DOWs, 366 OSS/OSK will adjust, if appropriate and forward to Air Combat Command, (ACC/A3), courtesy copy 366 EMS/MXMWMA (Munitions Operations) and Munitions Accountable Systems Officer (MASO).

7.4.1.4.6. **(Added)** Ensure squadron DOWs review status of available aircrew training munitions utilizing the wing allocation database located on intranet group pages at: \\gyzh-fs-02pv\MountainHome\_366FW\_MXG\_WS\366mxg\_ems\_ws\1. New Share\MXMW\2 - MXMW\_Programs\FY17 Aircrew Training Install. Resolve training discrepancies through applicable fighter squadron and 366 EMS/MXMW. It is the responsibility of each squadron to manage, schedule, track munitions usage and accountability accordingly.

7.4.1.4.7. **(Added)** 366 OSS/OSK will approve aircrew training allocation transfers. Note: Squadrons transferring munitions to another base for Exercises; e.g., RED FLAG, MAPLE FLAG, etc., lose the transferred quantity until Munitions Operations receives the After Action Report (AAR). Complete adjustments to allocations after Munitions Operations and MASO review the AARs. One ATR request must be submitted per event when more than one event is attended consecutively or during one deployment event (i.e. Red Flag and WSEP consecutively require two ATRs).

7.4.3.1.2. **(Added)** Squadron weapons officers will ensure a detailed munitions request is submitted NLT 60 days prior to CONUS TDY and 90 days prior to OCONUS TDY to include tactical (TAC)-ferry munitions (e.g., 20mm, chaff, flare and missiles). If these timelines are not met, affected allocation transfers and squadrons may expect diminished or no munitions support. Submit all munitions request to 366 OSS/OSK for coordination. They will then forward the request to 366 EMS/MXMWSC, Munitions Operations and MASO, as well as, a courtesy copy to 366 EMS/MXMW and the Wing Weapons Manager (366 MXG/MXL).

7.10.2.3.4. **(Added)** Shelf/service life items issued to Due-In from Maintenance (DIFM) accounts for time change are consumption issued (removed) from CAS at time of issue. Therefore, it is the using organization's responsibility to track shelf/service life IAW applicable technical data. When items require turn-in due to service life expiration, using organizations will request replacement items using issue request/turn-in procedures.



## Chapter 16

### MUNITIONS SUPPORT

#### **16.1. (Added) Munitions Support.**

16.1.1. **(Added)** Organizations requiring munitions support should schedule it between 0800-1500 hrs, Monday-Friday, except holidays and down days.

**16.2. (Added) Organizations requiring after-hours** (contingency, emergency, etc.) munitions support must contact Munitions Control at DSN: 728-6221/1686, Comm: (208) 828-6221/1686.

**16.3. (Added) Incidents Involving Munitions.** Notify Munitions Control immediately of any accident or incident involving munitions at DSN: 728-6221/1686, Comm: (208) 828-6221/1686.

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Commander

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

**ACCI 21-165\_MHAFBSUP (I)**, (Added) Flying Programming and Scheduling Procedures, 18 July 2012

**MHAFBI 21-203**, (Added) Storage, Transportation, Handling, Accountability and Control of Impulse Cartridges, 10 March 2011

***Adopted Forms***

AF Form 847, *Recommendation for Change of Publication*

***Abbreviations and Acronyms***

**DOW**—Director of Weapons

**FS**—Fighter Squadron

**MLO**—Munitions Load Out

**MXL**—Wing Weapons Manager (366 MXG/MXL)

**RSAF**—Republic of Singapore Air Force

**Attachment 2****OFF-LINE PROCESSING (POST-POST)**

A2.1.1. **(Added)** In the event of a CAS outage, and at the direction of the MASO, all Munitions Flight elements and AMUs/Weapons expeditors will initiate post-post actions IAW AFI 21-201, Attachment 2.

A2.1.2. **(Added)** Upon notification to initiate post-post operations, all sections will ensure transactions are documented on AF IMT 4331. All AF IMT 4331 are controlled by the following serial number format:

A2.1.2.1. **(Added)** Munitions Control: MC-01, MC-02, etc.

A2.1.2.2. **(Added)** Conventional Maintenance (Bomb Build Ops): CM-01, CM-02, etc.

A2.1.2.3. **(Added)** Conventional Maintenance (Chaff/Flare, 20mm) CMCF-01, CM20-01, etc.

A2.1.2.4. **(Added)** PGM: PGM-01, PGM-02, etc.

A2.1.2.5. **(Added)** Storage: STOR-01, STOR-02, etc.

A2.1.2.6. **(Added)** Inspection: INSP-01, INSP-02, etc.

A2.3.1. **(Added)** All AF IMT 4331 should be delivered to Munitions Operations (Munitions Control after normal duty hours) hourly to be logged into the Post-Post log.

A2.14.1.1. **(Added)** With coordination through the MASO, conduct a CAS recovery meeting with affected elements when CAS is restored. Discuss course of action and support required by all members of the recovery team. Ensure Munitions Control notifies all elements to continue using serial number controlled Post-Post AF IMT 4331s until Post-Post recovery is complete and authorized by the MASO to resume CAS operations.

## Attachment 7 (Added)

## CS-50 UALS/LALS LOAD SHEET

## A7.1. UALS/LALS 20mm Tracking Log Instructions.

Figure A7.1. (Added) CS-50 UALS/LALS Load Sheet.

AMMO **UAL/LAL#** \_\_\_\_\_ **USE ONLY**

**UPLOAD**

	LOT	QUANTITY			DATE	INIT	MAN#
BELT 1							
BELT 2							
BELT 3							

**DOWNLOAD RETURN DATE** \_\_\_\_\_

	LOT	QUANTITY			DATE	INIT	MAN#
		EXP	LIVE	ADR			
BELT 1							
BELT 2							
BELT 3							

**AMMO USE THIS SIDE ONLY PLEASE**

**A7.2. Munitions crews will** use the following as a guide when completing the UAL/LAL data sheet. Each UAL/LAL operation will be documented each time a unit is down-loaded or uploaded with 20mm ammunition.

**A7.3. (Added) Upload Procedures:**

A7.3.1. (Added) Lot Block: 20mm lot number. Last 3 digits of the lot are acceptable.

A7.3.2. (Added) Quantity Block: Total quantity of the belt being loaded.

A7.3.3. (Added) Date Block: Date loaded into LAL/UAL.

A7.3.4. (Added) Initial Block: Crew chiefs initials performing the operation.

A7.3.5. (Added) Employee # Block: Crew chiefs employee number.

**A7.4. (Added) Download Procedures:**

A7.4.1. (Added) Lot Block: 20mm lot number. Last 3 digits of the lot are acceptable.

A7.4.2. (Added) Quantity Block-Expended: Total number of expended rounds returned.

A7.4.3. (Added) Quantity Block-Live: Total number serviceable rounds returned.

A7.4.4. (Added) Quantity Block-ADR: Total number unserviceable rounds returned.

A7.4.5. (Added) Date Block: Date UAL/LAL is being processed.

A7.4.6. (Added) Initial Block: Crew chiefs initials performing the operation.

A7.4.7. (Added) Employee # Block: Crew chiefs employee number.

**Figure A7.2. (Added) Loaders.**

**LOADERS**  
UAL/LAL# \_\_\_\_\_

	LOT	DATE	UNIT	A/C	KB	UP	DOWN	INIT	MAN#
BELT 1									
BELT 2									
BELT 3									

**A7.5. UAL/LAL Data Sheet Instructions.**

A7.5.1. Weapons Loading Section will use the following as a guide when completing the UAL/LAL data sheet. Load crew chief will document necessary data when accomplishing UAL/LAL operation each time an aircraft is downloaded or uploaded with 20mm ammunition.

**A7.6. (Added) Upload Procedures:**

A7.6.1. **(Added)** Lot Block: 20mm lot number. Last 3 digits are acceptable. A2.3.2. Date Block: Date UAL/LAL used for upload.

A7.6.3. **(Added)** A/C Block: Aircraft tail number.

A7.6.4. **(Added)** KB Block: Number of "Kickbacks" back into the UAL/LAL. A2.3.5. UP Block: Total number of rounds uploaded into the aircraft. A2.3.6. Down Block: N/A

A7.6.7. **(Added)** Initial Block: Crew chief initials.

A7.6.8. **(Added)** Man# Block: Crew chief's employee number.

**A7.7. (Added) Download Procedures:**

A7.7.1. **(Added)** Lot Block: Lot number of downloaded 20mm ammunition. A2.4.2. Date Block: Date UAL/LAL was downloaded.

A7.7.3. **(Added)** A/C Block: Aircraft tail number.

A7.7.4. **(Added)** KB Block: N/A

A7.7.5. **(Added)** Up Block: N/A

A7.7.6. **(Added)** Down Block: Total quantity downloaded into UAL/LAL.

A7.7.7. **(Added)** Initial Block: Crew chief's initials.

A7.7.8. **(Added)** Man# Block: Crew chief's employee number.

A7.7.9. **(Added)** Annotate bottom of form if M548 cans are used for downloading. Ensure AFTO Form 350 is filled out properly with, aircraft number, total rounds downloaded into cans, crew chief's employee number.



## Attachment 9 (Added)

## SAMPLE AFTO FORM 350, REPARABLE ITEM TAG

Figure A9.1. (Added) Sample AFTO Form 350.

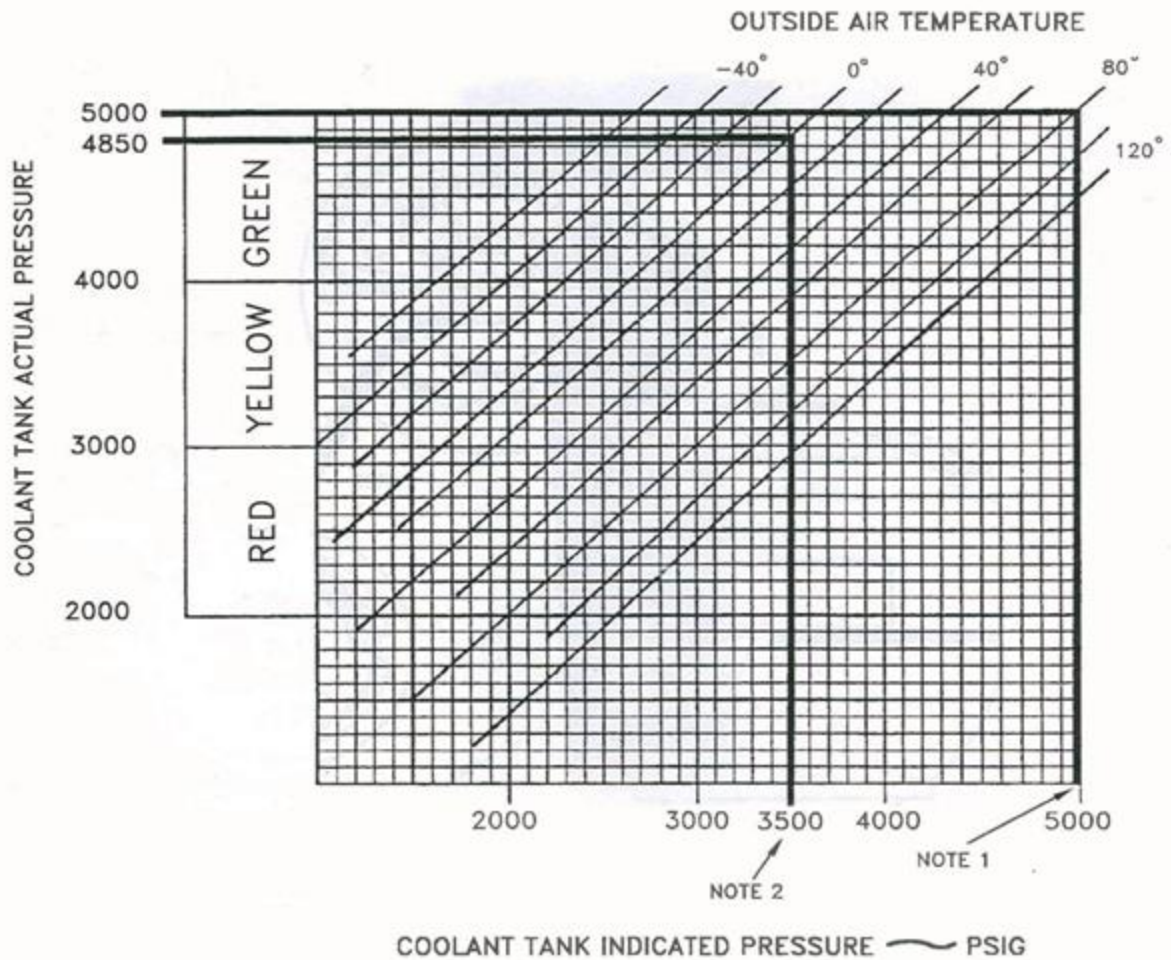
AFTO FORM 350 20110414		PREVIOUS EDITION WILL BE USED	
OMB NO. 0704-0188			
<b>REPARABLE ITEM PROCESSING TAG</b>			
<small>Public reporting burden for the collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information, Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503. Please DO NOT RETURN your form/questionnaire to either of these addresses. Send your completed form/questionnaire to: Prime Weapon System/End Item ALC Material Utilization and Control Office (AWUCCO).</small>			
1. JOB CONTROL NO.	2. I.D. NO./SERIAL NO.	3. TM	3A. SPD
4. WHEN DISC	5. HOW MAJ.	6. MGS	7. WORK UNIT CODE OR LOGISTICS CONTROL NO.
8. ITEM OPER TIME	9. QTY	10. FSC	11. PART/LOT NUMBER
12. SERIAL NUMBER	13. SUPPLY STOCK NUMBER		
14. DISCREPANCY			
15. SHOP USE ONLY			
15A. DMC/ACT ID	15B. SHOP ACTION TAKEN		
TAG NO.	099805		AFTO 350 PT.1
16. SUPPLY DOCUMENT NUMBER			
17. NOMENCLATURE			
18. PART NUMBER	18A. WORK UNIT CODE		
19. NSK			
20. ACTION TAKEN	21. QTY	22. SPC USE ONLY	
TAG NUMBER	099805		AFTO 350 PT.2

AFTO 350 Information**Item 1:** IMDS or MC2 JCN**Item 2:** Aircraft Tail Number**Item 3:** Quantity**Item 4:** Missile Serial Number (S/N), TMU-72 S/N, Munitions CRC/WSN, Impulse Cartridge Lot Number, or Chaff/Flare Magazine S/N**Item 5:** Date, Weapons Crew Chief Name (printed and signed), duty phone, unit, discrepancy, station and launcher S/N as applicable**Note:** If discrepancies exist on more than one aircraft/launcher, provide all aircraft tail #s/launcher S/Ns.

Attachment 10 (Added)

COOLANT PRESSURE TANK TEMPERATURE/PRESSURE VARIATION

Figure A10.1. (Added) Coolant Pressure Tank Temperature/Pressure Variation.



NOTES:

1. COOLANT TANK GAUGE INDICATES 5000 PSIG AT 80° F. COOLANT TANK ACTUAL PRESSURE 5000 PSIG.
2. COOLANT TANK GAUGE INDICATES 3500 PSIG AT 0° F. COOLANT TANK ACTUAL PRESSURE 4850 PSIG.