

**BY ORDER OF THE COMMANDER  
99TH AIR BASE WING (ACC)**



**AIR FORCE INSTRUCTION 21-201**

**NELLIS AIR FORCE BASE  
Supplement**

**21 MARCH 2016**

**Maintenance**

**MUNITIONS MANAGEMENT**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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Air Force Instruction (AFI) 21-201, *Conventional Munitions Management*, is supplemented as follows: It establishes responsibilities, guidelines and procedures for flight line munitions accountability and reconciliation for all phases of peacetime or contingency operations. It also provides guidance for controlling and managing expended brass/munitions residue. This instruction also provides key points of contact for munitions users/customers. This instruction applies to all personnel assigned or deployed to Nellis AFB who handle or load aircrew munitions supplied by the Munitions Flight. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual 33-363, *Management of Records*, and disposed of in accordance with Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS) located at <https://www.my.af.mil/gcss-af61a/afirms/afirms/>.

### **SUMMARY OF CHANGES**

1.6.7. (Added) Munitions Flight key points of contact for munitions users/customers: contact Munitions Control at ext 652-1181/1182/1183. Fax is 652-1000. If Munitions Control is unavailable, contact the 57 MXG Maintenance Operations Center (MOC) at ext. 652-6422/5311.

6.2.1.1. (Added) Munitions Control will not release munitions without a properly routed/approved AF Form 2407, *Weekly/Daily Flying Schedule Coordination*. All AF Form

2407s will be coordinated through Munitions Control after the document is routed through the appropriate agencies IAW ACCI 21-165, *Aircraft Flying and Maintenance Scheduling Procedures*, and the Nellis Supplement. Munitions Control will coordinate with affected Munitions Elements to determine support capability. Approval authority will be determined IAW ACCI 21-165 and the Nellis Supplement.

7.1.1.1.1.1.1. **(Added)** Munitions requests will only be supported with approved allocations, flying schedules and properly coordinated AF Form 2407s.

7.1.1.2.4.1.1. **(Added)** In the event that numerous requests for the same delivery time make it unfeasible for Munitions Control/Line Delivery to meet all requests, Munitions Control will attempt to reschedule delivery times with the affected AMU Weapons Expeditors. Munitions Control will use flying unit take off times as a guide for prioritizing delivery times. Every effort will be made to ensure that munitions are in place NLT four (4) hours for countermeasures and six (6) hours for all other munitions prior to the first take off time, unless a unit specifically requests a delivery time earlier than the 4 or 6 hours prior.

7.3.5.3. **(Added)** All time change item (TCI) issue requests will be sent electronically to the *Time Change* organizational e-mail account: [57mxs.mxmwma3@nellis.af.mil](mailto:57mxs.mxmwma3@nellis.af.mil).

7.3.5.3. 1 **(Added)** Custodians of time-change accounts must be thoroughly familiar and adhere to Technical Order 00-20-9; AFI 21-201 aircrew flight equipment time-change procedures and time-change CAD/PAD management sections. Custodians of time change accounts must provide the munitions flight an annual forecast on a recurring quarterly basis for assets required. 7.8.1.1.4.4. **(Added)** Custodians must supply cart lockers, ensure proper explosive safety, explosive licenses for facilities and security. Custodians will assume responsibility for all munitions items, munitions residue and reusable containers within their possession and control.

7.8.1.1.4.5. **(Added)** Weapons account custodians will manage impulse cartridges IAW AFI 21-201 and custody management training and guidance provided by the Munitions Accountability element.

7.8.1.1.4.6. **(Added)** Unit Weapons custody accounts will be issued TMU-72 argon bottles and will maintain accountability IAW custody account management procedures and guidance provided by AFV.

7.10.1.1.1. **(Added)** Custodians are responsible to ensure they maintain adequate quantities of munitions on their account. Issue requests submitted less than 10 duty days prior to the pickup date will be supported at the MASO/MASO delegate's discretion.

7.11.2.3.2.1. **(Added)** All munitions that are delivered to aircraft must be accounted for on a daily basis. Munitions items are considered to be pilferable and potentially dangerous. Therefore, strict accountability and control must be maintained at all times. Accountability and inventory control must be assured to prevent the release, use, or misuse of munitions by unauthorized

individuals.

7.11.2.3.2.1.1. **(Added)** Weapons Expeditors and Munitions Control will not process aircraft gun ammunition and countermeasure expenditures using automated, direct, or remote input. Aircraft gun ammunition and countermeasures are managed as full loads (minus “kickback” rounds) until weapons personnel download the gun/magazines and expended rounds are processed by maintenance to validate actual expenditures and process the expenditures in CAS.

7.11.2.3.2.2. **(Added)** The Weapons Expeditor will report aircraft munitions loads and expenditures using a local AF Form 2434. These forms will be completed, signed and faxed/e-mailed to Munitions Control at [control12@us.af.mil](mailto:control12@us.af.mil) before and after each sortie.

7.11.2.3.2.3. **(Added)** Munitions will be accounted for by tail/serial number, WSN, full lot number, color code, or type. Quantities will also be included in this accountability. 20MM and 30MM ammunition will be tracked by the full belt quantity. The completed AF Form 2434 will detail all munitions loaded and expended, to include countermeasure mod numbers, by aircraft tail number.

7.11.2.3.2.4. **(Added)** The Weapons Expeditor will provide Munitions Control with a complete list of captive carry (57/53 Wg) missiles on hand (if flown or not) number of times each missile was flown that day and the total flight hours. This information will be annotated in the missile portion of the Munitions Reconciliation Worksheet (AFI 21-201 NAFBSUP, Attachment 7).

7.11.2.3.2.5. **(Added)** When utilizing SUU-25s, the Weapons Expeditor will report the number of daily flights to Munitions Control on the Munitions Reconciliation Worksheet. This information will be annotated on AF Form 2434.

7.11.2.3.2.6. **(Added)** The Weapons Expeditor will ensure an AFTO Form 350, *Reparable Item Processing Tag*, is properly completed and attached to all munitions or containers with discrepancies. The Weapons Expeditor will relay this information along with the location and trailer number to Munitions Control.

7.11.2.3.2.7. **(Added)** The Weapons Expeditor will coordinate pick up of munitions not required for the next flying day with Munitions Control.

7.11.2.3.2.8. **(Added)** Units will complete the applicable missile firing report for each missile uploaded on the aircraft and place the reports with the aircraft forms. Aircrews will attach a “confidential” cover sheet to the report and provide the original report to the weapons expeditor.

7.11.2.3.2.9. **(Added)** AMUs will turn in residual components and safety gear from expended munitions. This includes, but is not limited to, BDU-33 safety "C" blocks, expended impulse cartridges, safety pins, caps, safety flags/warning streamers, rocket fin retainer tapes, excess swivels and loops,

missile dome protectors, missile umbilical blocks, and empty grenade canisters. All aforementioned gear will be delivered to munitions personnel during reconciliation.

7.11.2.3.2.10. **(Added)** In the event reconciliation does not clear, the Weapons Expediter and munitions personnel will conduct a joint physical inventory of the flying unit's munitions. If physical inventories cannot be reconciled in this manner or properly completed missile firing reports are missing, all deliveries to the AMU will be suspended until the reconciliation is complete. The Line Delivery Supervisor will notify Munitions Control of the reconciliation discrepancy.

7.11.2.3.2.11. **(Added)** The Weapons expediter will coordinate the following flying day munitions requirements and delivery times with Munitions Control/Line Delivery during reconciliation using a locally developed Munitions Reconciliation Worksheet.

7.11.2.3.2.12. **(Added)** Munitions delivery support for the unit's next flying day will commence only after the reconciliation between munitions personnel and Weapons Expediter is complete and called into Munitions Control.

7.11.2.3.2.13. **(Added)** AMUs will ensure weapons personnel will be available and prepared to receive munitions deliveries at the coordinated/requested delivery time.

7.11.2.3.2.13.1. **(Added)** To establish the initial accountability of munitions for the 823 MXS, the weapons expediter will sign for all delivered munitions. The weapons expediter will transfer the accountability by issuing a hand receipt (AF IMT 1297) to air crew members for all munitions required for mission accomplishment. Air crew members will be responsible for returning all items listed on the hand receipt (AF IMT 1297) to the weapons expediter. The hand receipt (AF IMT 1297) will be returned after all items are accounted for. Note: If all items are not returned, reconciliation procedures will not be conducted and this will prevent delivering munitions for the next flying day.

7.11.2.3.2.14. **(Added)** All units will ensure chaff and flare dispensers are clearly marked with squadron designator/code and tracking number (e.g. EA-013, ST-028). Only properly marked dispensers will be loaded with chaff/flare. Do not swap loaded dispensers between AMUs.

7.11.2.3.2.15. **(Added)** Units will load internal gun systems with the following amount of ammunition by type of aircraft, unless operational requirements (properly coordinated/scheduled) dictate otherwise:

7.11.2.3.2.15.1. **(Added)** A-10:1150 rounds

7.11.2.3.2.15.2. **(Added)** F-15C: 940 rounds

7.11.2.3.2.15.3. **(Added)** F-15E: 500 rounds

7.11.2.3.2.15.4. **(Added)** F-16: 510 rounds

7.11.2.3.2.15.5. **(Added)** F-22A: 480 rounds

7.11.2.3.2.16. **(Added)** Munitions personnel will load 20MM ALS/UALS/LALS, for specific aircraft, with the following amount of ammunition to accommodate kickback rounds:

7.11.2.3.2.16.1. **(Added)** F-15C: 950 rounds

7.11.2.3.2.16.2. **(Added)** F-15E: 510 rounds

7.11.2.3.2.16.3. **(Added)** F-16: 515 rounds

7.11.2.3.2.16.4. **(Added)** F-22A: 500 rounds

7.11.2.3.2.17. **(Added)** Partial replenishment of aircraft gun systems is prohibited. If a gun or ammunition loader jams or other malfunction occurs, download the entire load and place loose or damaged ammunition in suitable ammunition containers. Tag the containers with a properly prepared AFTO Form 350.

7.11.2.3.2.18. **(Added)** Units will download missiles and SUU-25s due 20-flight inspections when notified by Munitions Control. Missiles/SUU-25s due periodic inspections will be downloaded and returned to the MSA by the end of flying week. Units will also download and return all munitions to the Munitions Flight for required inventories, munitions suspensions/restrictions, or special investigation requirements when notified.

7.11.2.3.2.19. **(Added)** Units will install argon probe caps/safing gear before returning captive missiles to the Munitions Flight.

7.11.2.3.2.20. **(Added)** Upon download, Weapons Load Crews will ensure ALS/UALS/LALS or 30MM container load sheets are annotated with the date, aircraft tail number, lot number of ammunition, load crew and AMU (example TTF, TCB, TCBT, etc).

7.11.2.3.2.21. **(Added)** The Line Delivery Element is the focal point for recharging all missile argon bottles. AMUs will maintain and transport argon bottles in authorized containers. Units will not exceed the specified quantity per container. Line Delivery will only charge bottles that are properly and safely packaged.

7.11.2.3.2.21.1. **(Added)** In the event that argon bottles are damaged or their hydrostatic date is overdue, the unserviceable bottles will be returned to the AMU for turn in to the Munitions Flight. Weapons personnel will attach a properly completed AFTO Form 350 to the argon bottle and coordinate with the PGM Element to inspect the asset to determine serviceability. If it is determined that turn in of the asset is needed, owning units will complete the required turn in/issue documents and provide them to AFV.

7.11.2.3.2.21.2. **(Added)** AMUs will NOT loan argon bottles to visiting units without 57 MXG approval. .

7.11.2.3.2.22. **(Added)** Line Delivery Element will not accept/pick up

misconfigured MMHE. Load crews are responsible for properly configuring equipment that is in their possession.

**16.1. (Added) Nellis AFB Visiting Unit responsibilities and procedures:**

16.1.1. **(Added)** Visiting units must comply with all directives contained in this supplement.

16.1.2. **(Added)** The Munitions Lead will complete the exercise preparation checklist (AFI 21-201 NAFBSUP, Attachment 9) NLT 4 weeks prior to STARTEX.

16.1.3. **(Added)** The Munitions Lead will provide a list of assigned unit aircraft tail numbers to Munitions Control. This information will be used to establish aircraft in the Combat Ammunition System database for munitions accountability and location management.

16.1.4. **(Added)** In the event that a unit must TAC-FERRY munitions to Nellis, no ATR is required. TAC-FERRIED assets will remain in/on the TDY unit aircraft. The TDY unit is solely responsible for the accountability of their assets.

16.1.4.1. **(Added)** Nellis stockpile munitions will not be delivered to or loaded on TDY aircraft loaded with TAC-FERRIED munitions, with the exception of TAC-FERRIED missiles.

16.1.4.2. **(Added)** TAC-FERRIED munitions expenditures will be reported to and processed by the originating SRAN.

16.1.5. **(Added)** Visiting units will provide the following assets in support of their respective aircraft for the duration of the exercise:

16.1.5.1. **(Added)** Proper quantity of 20MM ammunition loading systems. Nellis UALS, LALS, and ALSs will not be used to support visiting units.

16.1.5.2. **(Added)** At least one container for each missile system TAC-FERRIED.

16.1.5.3. **(Added)** Operational stock required for potential maintenance of TAC-FERRIED missile systems.

16.1.5.4. **(Added)** If a unit is scheduled to fly LUU-1, LUU-2, or LUU-19 flares, these units will provide the corresponding number of SUU-25 dispensers to meet mission requirements. Nellis SUU-25 dispensers will not be utilized to support visiting unit mission requirements.

16.1.5.5. **(Added)** Visiting AMUs must provide a sufficient amount of chaff and flare mods to support visiting unit mission requirements. Nellis AFB does NOT turn aircraft between goes on chaff/flare.

16.1.6. **(Added)** Visiting AMUs that are not part of a RED FLAG/GREEN FLAG exercise will provide Munitions Scheduling with a weekly visiting unit flying/munitions frag schedule prior to the AMU's first fly day. Any changes to this flying/frag schedule will require a properly routed AF Form 2407.

16.1.7. **(Added)** Visiting AMU Weapons Expeditors will manage impulse cartridges as part of their daily reconciliation. Impulse cartridges will be provided by Nellis munitions personnel from Base Stock IAW approved allocation transfer requests. These impulse

cartridges will NOT be intermingled with home station impulse cartridges and will NOT be used to fill CAT T (non-expendable) requirements unless specifically provided by Nellis munitions personnel in support of an approved CAT T allocation transfer.

**16. 2 (Added) Munitions Flight 2W0X1 Augmentees:**

16.2.1. **(Added)** All munitions augmentees will be incorporated into the Munitions Flight and will be tasked to support the Nellis mission in its entirety.

16.2.2. **(Added)** Augmentees are required to report NLT 1 week prior to STARTEX. This will allow sufficient time for the members to complete indoctrination, local training requirements, and participate in the munitions frag build.

16.2.3. **(Added)** Augmentees will be selected based on competency and capability. Ensure that personnel selected are capable of the tasks they will be assigned (i.e. flightline competency, 30MM ops, etc.)

16.2. 4 **(Added)** Due to the lack of CAS accessibility, visiting units flying Nellis munitions will report pre flight and post flight munitions loads, before and after each turn, on a local AF Form 2434. The Munitions Reconciliation Worksheet will be accomplished upon completion of the day's flying schedule.

**16.3. (Added) 414 CTS/MA (RED FLAG) and 549 CTS/MAM (GREEN FLAG) will:**

16.3.1. **(Added)** Coordinate all exercise support/munitions requirements with the Munitions Flight.

16.3.2. **(Added)** Provide Munitions Scheduling with the pertinent unit information. Information will include but is not limited to: incoming/outgoing allied/sister-service munitions types, dates of arrival/departure, special support requirements, etc.

16.3.3. **(Added)** RED FLAG will provide Munitions Scheduling with a copy of each participating unit's munitions contract. This will be accomplished NLT five duty days following the final planning conference.

16.3.4. **(Added)** Provide Munitions Scheduling with a copy of the exercise munitions schedule. This will be accomplished NLT 2 weeks prior to each exercise start date.

16.3.5. **(Added)** The munitions schedule will contain the following information: unit, type/number of aircraft, type munitions, munitions configuration (e.g. fuze settings, rack/mount, laser codes, etc.) and munitions requirement dates.

16.3.6. **(Added)** Updates to the munitions schedule will be provided as they occur, up to 2 weeks prior to the exercise start date. Any changes after this time will require an AF Form 2407.

16.3.7. **(Added)** Changes to munitions requirements on the flying schedule will be coordinated IAW ACCI 21-165 Nellis Supplement.

16.3.8. **(Added)** Munitions Control will not accept schedule changes directly from the deployed units. Deployed units will coordinate all requested changes with designated RED FLAG/GREEN FLAG permanent party personnel.

16.3.9. **(Added)** Ensure visiting unit Weapons Expeditors receive areconciliation briefing and proper training from Nellis Line Delivery personnel NLT 24 hours prior to

the first schedule take off. Expeditors must be aware of their requirements as outlined in this instruction.

RICHARD H. BOUTWELL, Colonel, USAF  
Commander

**Attachment 1 (Added)****GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFI 91-202, *The US Air Force Mishap Provention Program*, 5 August 2011

AFI 33-361, *Publishing Processes and Procedures*, 10 May 2010

AFMAN 33-363, *Management of Records*, 1 March 2008

AFI 91-202 ACCSUP, *The US Air Force Mishap Provention Program*, 9 October 2012

***Prescribed Forms*****No Forms*****Adopted Forms***

AF Form 847, *Recommendation for Change of Publication*, 22 September 2009

***Abbreviations and Acronyms:***

**AFB**—Air Force Base

**ABW**—Air Base Wing

**GSU**—Geographically Separated Unit

***Terms***

**Accountable Forms**—Forms that the Air Force stringently controls and which cannot be released to unauthorized personnel, since their misuse could jeopardize DOD security or result in fraudulent financial gain or claims against the government.

**Administrative Change**—Change that does not affect the subject matter content, authority, purpose, application, and/or implementation of the publication (e.g., changing the POC name, office symbol(s), fixing misspellings, etc.)





## ATTACHMENT 9 (Added)

**FIGURE A9.1 EXERCISE PREPARATION CHECKLIST.**

AMMO LEAD: \_\_\_\_\_

DEPLOYED DATES: \_\_\_\_\_

**READ THIS PACKAGE IN ITS ENTIRETY**  
**INITIAL & DATE ITEMS WHEN COMPLETED**  
**TURN IN COMPLETED CHECKLIST TO NELLIS MUNS PLANS & SCHEDULING**

**FRAG REQUIREMENTS:**

- Submit Allocation Transfer Request (ATR) Initial / Date: \_\_\_\_\_
  1. CONUS NLT 60 days:
  2. OCONUS NLT 90 days
- Work with Nellis AFK to de-conflict munitions issues Initial / Date: \_\_\_\_\_
- Review ATR/munitions quantity for accuracy Initial / Date: \_\_\_\_\_
- Ensure familiarity /knowledge of manning requirement Initial / Date: \_\_\_\_\_
- Ensure familiarity /knowledge of equip requirement Initial / Date: \_\_\_\_\_
- Review Manning Support (ACC Manning Calculator) Initial / Date: \_\_\_\_\_
- Submit Drop Plan NLT 4 weeks prior to STARTEX Initial / Date: \_\_\_\_\_

(Augmentee/equipment requirements and dates are based off of approved ATR dates)  
 \*\*\*Drop Plan MUST include Fuze Settings / Configurations / Laser Codes\*\*\*

**SUPPORT EQUIPMENT REQUIREMENTS:**

- Ensure unit brings sufficient amount of C/F MODS Initial / Date: \_\_\_\_\_
- Ensure unit brings opstock items Initial / Date: \_\_\_\_\_
- SUU-25's to support mission Initial / Date: \_\_\_\_\_
- LALS/UALS/ALS and replenisher tables Initial / Date: \_\_\_\_\_
- Ensure current PE dates on missiles Initial / Date: \_\_\_\_\_

**HOME STATION MUNITIONS**

Absolutely NO expendable munitions will be TAC FERRIED into Nellis AFB from home station. If munitions are TAC FERRIED, Nellis AMMO will NOT support the AMU or unit. Units that TAC-FERRY Captive Training Missiles (CAP-9s / TGMs / CATM-88s), must bring shipping containers for missiles.

- For CAP-9s and CATM-88s (one container each) Initial / Date: \_\_\_\_\_
- For TGMs, 2-4 cans based on quantity of missiles Initial / Date: \_\_\_\_\_