



DEPARTMENT OF THE ARMY
HEADQUARTERS
U.S. ARMY MANEUVER SUPPORT CENTER AND FORT LEONARD WOOD
FORT LEONARD WOOD, MISSOURI 65473-5000

FLW Regulation
No 700-2

19 May 2003

Logistics
AMMUNITION

Summary. This regulation provides Headquarters, United States Army Maneuver Support Center and Fort Leonard Wood (USA MANSCEN & FLW) policies and procedures for forecasting, requesting, transporting, expending and turning-in ammunition, explosives and residue at Fort Leonard Wood, Missouri. This regulation also provides the changes in ammunition storage safety and operations requirements listed in Chapter 4 and Appendix I, and organizational names listed in Chapters 1, 6, and 11.

Applicability. This regulation applies to all Active Army, United States Army Reserve (USAR), Army National Guard (ARNG), Reserve Officers Training Corps (ROTC), and any other local, state or other federal agency forecasting, requesting, receiving, transporting, expending or turning-in ammunition and explosives through installation activities on the Fort Leonard Wood reservation.

Supplementation. Supplementation of this regulation is prohibited unless specifically approved by Headquarters, MANSCEN & FLW.

Suggested Improvements. The proponent agency of this regulation is the Directorate of Logistics (DOL). Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to DOL, Supply and Services Division, 179 Missouri Avenue, Fort Leonard Wood, MO 65473-8952.

Requesting Clarification. For clarification contact the Ammunition Management Officer at telephone number (573) 596-7933 or Defense Services Network (DSN) 581-7933.

FOR THE COMMANDER:



JEFFREY J. DORKO
Colonel, GS
Chief of Staff

KATHLEEN KERNS
Director, Information Management

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*This regulation supersedes FLW Reg 700-2, 19 May 2000.

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Chapter 1 INTRODUCTION

1-1. Purpose. This regulation establishes policies, procedures and responsibilities for ammunition users. It identifies and further defines Department of Defense (DOD), Department of the Army (DA) explosive safety and ammunition-related regulations.

1-2. References. Required and related references are listed in appendix A.

1-3. Explanation of Acronyms, Abbreviations, and Terms. Acronyms, abbreviations, and terms used in this regulation are explained in the glossary.

1-4. Responsibilities.

a. Directorate of Plans, Training and Mobilization (DPTM). DPTM has overall staff responsibility for screening all forecasts DA Form 5514-R (TAMIS Training Ammunition Forecast Report) and allocating all training ammunition and explosives used by units supported by Fort Leonard Wood (FLW).

b. Plans, Operations and Training Division, DPTM, is responsible for processing all DA Form 581 (Requests for Issue and Turn in of Ammunition) into a register and providing final approval in blocks 14a, 14b, and 14c of the DA Form 581 to ensure that the transaction is authorized and properly formatted prior to submission to the Ammunition Logistics Section (ALS). The Plans, Operations and Training Division controls and issues guidance concerning the use of demolition ranges, updates airspace restriction and controls type and use of demolition flaring device systems used on the ranges.

c. Range Support Company, Training Support Battalion (TSB) Garrison Command, is the point-of-contact (POC) for amnesty turn-ins of ammunition and explosives, and operates a turn-in point in accordance with Chapter 6 of this regulation.

d. Directorate of Logistics (DOL) is the coordinating office for updating and publishing all installation ammunition and explosives policies, procedures, and regulations. It is also the coordinating office for the Fort Leonard Wood Ammunition and Explosives Amnesty Program.

e. The Ammunition Logistics Section (ALS), DOL, is responsible for the requisitioning, initial receipt, inventory, accountability, maintenance and storage of all Class V, ammunition and explosives supplies received, stored, and maintained at the ALS, FLW. The ALS handles all issues and turn-ins of ammunition/explosives, reconciliation of ammunitions/explosives, and accountability of all ammunition and explosives returned through the Amnesty Point, and arranges for Explosive Ordnance Detachment (EOD) support if any ammunition or explosives are found to be unsafe or unstable. The ALS coordinates the use of the Ammunition Holding Area (AHA).

f. Fort Leonard Wood Public Affairs Office (PAO) is responsible for coordinating and developing publicity campaigns in support of ammunition and explosives control and accountability, to include the FLW Amnesty Program, through use of periodic articles and other media to keep personnel and the local community informed.

g. Law Enforcement Command (LEC) has overall responsibility for conducting inspections for certification of rooms used for storage of "inert" munitions training devices when requested by unit commanders. LEC is responsible for inspection, assistance and escorting of sensitive item carriers requiring use of FLW holding area, conducting spot checks of ranges and other areas on FLW for violations of ammunition and explosives physical security, and is responsible for timely

and accurate security screening checks of individuals whose duty description requires them to be a custodian for ammunition and explosives.

h. Commander, local Explosive Ordnance Disposal Detachment (EOD), is responsible for providing assistance to the FLW ALS, when requested, to assist in the determination and destruction of unsafe or unstable ammunition or explosives received at the FLW Amnesty Point, or during normal ALS operations. When requested, they will conduct a formal briefing for units concerning the characteristics, safe handling, and hazards of commercial explosives.

i. The Garrison Commander is responsible for ensuring that the TSB effectively and efficiently manage their ammunition authorizations to include timely and accurate submission of ammunition requests.

j. 1st Engineer Brigade is responsible for ensuring all subordinate United States Army Forces Command (FORSCOM) units effectively and efficiently manage their ammunition authorizations to include timely and accurate submissions of ammunition forecasts and requests.

k. All Training Brigade Commanders are responsible for ensuring ammunition requirements are accurately forecast and ammunition is efficiently used and controlled.

l. Reserve Component Division, DPTM, is responsible for ensuring all Reserve and National Guard units comply with the contents of this regulation.

m. US Army Medical Department Activity (USA MEDDAC) is responsible for timely and accurate screening checks, as part of background investigation, when requested by commanders or directorate chiefs, of individuals who have duly description requiring the handling of ammunition/ explosives as a custodian.

n. Unit/detachment commanders, to include USAR, ARNG and ROTC commanders receiving support from the FLW ALS, are responsible for ensuring all subordinate units effectively and efficiently manage their individual ammunition authorizations; i.e., timely and accurate submission of ammunition forecasts and usage reports. Commanders will ensure subordinate units comply with the procedures and policies of this regulation (see appendix B).

o. Unit commanders will -

(1) Follow procedures in this regulation, AR 385-63 and AR 385-64 for safe practices when handling, transporting, storing, and using A&E.

(2) Follow procedures in this regulation and AR 190-11 for security measures when handling, transporting, storing, and using A&E.

(3) Follow procedures in this regulation, AR 710-2, and DA Pam 710-2-1 when requesting issue and turn-in of ammunition and residue.

p. The Quality Assurance Specialist Ammunition Surveillance (QASAS) will -

(1) Inspect and classify all ammunition in accordance with SB 742-1.

(2) Implement the installation ammunition surveillance program and promote explosive safety.

(3) Ensure specific explosive safety and quality assurance requirements outlined in this regulation are met.

(4) Provide installation surveillance support in accordance with AR 5-9.

(5) Implement the Installation Amnesty Program.

(6) Implement EPA's Military Munitions Rule.

q. The Maneuver Support Center Safety Office will -

(1) Monitor all installation operations for compliance with explosive safety standards.

(2) Assist in resolving explosive safety problems and submitting reports regarding explosive safety requirements as outlined in AR 385-64 and DOD 6055.9 Standard.

(3) Be responsible for the explosive safety licensing procedures.

(4) Coordinate for initial and changes to the site safety submission plans.

1-5. Interpretations.

a. The mandatory requirements and advisory provisions in this regulation apply to each activity and facility involved with ammunition and explosive operations.

b. Mandatory requirements are those in which the terms "shall", "will", or "must" are used and when narrative is directive in nature. No deviation from mandatory requirements is authorized without approved waiver or exemption. Send request for waiver or exemption for this regulation to Directorate of Logistics, ATTN: ATZT-DL-S, 179 Missouri Avenue, Fort Leonard Wood, MO 65473-8952.

1-6. Publications File. A file of appropriate technical manuals, field manuals, technical bulletins, safety manuals, Army regulations, and FLW regulations will be kept complete and up-to-date at all units/activities involved in ammunition operations.

Chapter 2 FORECASTING, REQUESTING AND TURNING-IN AMMUNITION

2-1. Requirements. All units/activities receiving ammunition support from FLW will comply with the following:

a. Annual Forecast. Ammunition account manager will submit an annual training ammunition forecast to DPTM. Suspense for this forecast is not later than the last working day of December. An example of an annual forecast is at appendix C, figure C-1.

b. Monthly Forecast. All ammunition account managers will submit a monthly training ammunition forecast to DPTM using DA Form 5514-R (TAMIS Training Ammunition Forecast Report), to arrive at DPTM no later than the 10th of each month. This report will include the 12 months following the month in which the report is submitted. An example DA Form 5514-R is shown in appendix C, figure C-2.

c. Program of Instruction (POI) Forecasting. POI ammunition requirements will be forecast by account managers and forwarded to DPTM. Ammunition requirements per each POI must be forecasted by the using unit. When POI ammunition is subdivided between two or more users, each will be responsible for identifying by, POI file number, requirements and forecasting needs. It is the users' responsibility to provide United States Army Training and Doctrine Command (TRADOC) approved POI changes of ammunition requirements to DPTM. Only ammunition needed to accomplish training will

be requested. Ammunition forecasted to train a given POI will not exceed the total amounts authorized by DPTM.

d. Changes to Forecast. When changing amounts previously forecasted, units will ensure that forecasted amounts do not total a sum above that authorized for the fiscal year. Amounts forecasted for months in the next fiscal year are not guaranteed amounts. Dummy and inert ammunition must be included in all forecasts.

e. Worldwide Ammunition Reporting System (WARS). DPTM will prepare a forecast by consolidating all ammunition requirements on or about the 15th of each month. This forecast will include all ammunition to be supplied by the ALS during the 12 months following the month the forecast is prepared. The forecast will be forwarded to the ALS no later than (NLT) the 19th of the month.

f. Training Ammunition Expenditure Report. This report will be prepared by DPTM IAW TRADOC Reg 350-8. Account managers will be tasked to provide input for this report.

g. Training Ammunition Requirements Report. This report will be prepared by DPTM IAW TRADOC Reg 350-8. When necessary account managers will be tasked to provide input for this report.

2-2. Request for Issue and Turn-in of Ammunition.

a. DA Form 581 will be used when preparing request for issue and turn-in of ammunition. Preparation instructions are in appendix C, figure C-3 and figure C-4.

b. DA Form 581, will be processed through DPTM Ammunition Section, and must arrive at DPTM NLT 5 working days prior to the requested pickup date. DA Form 581's will be submitted with all copies attached to the original. When the units require copies, they will use a copy machine. DPTM will not copy DA Form 581's for units. All copies will be completely legible or will not be approved. Units/activities failing to meet the above suspense will provide DPTM with a statement explaining the late submission signed by the battalion commander or higher. Approval of late submissions will be considered on a case-by-case basis.

c. DPTM will check each DA Form 581 for required data against the unit's monthly forecast. Administrative errors must be corrected. Requested quantities must not exceed the monthly forecasted amount. Information found in appendix D and appendix E may be helpful in eliminating common errors. NOTE: AMMUNITION NOT USED DURING THE MONTH IT WAS FORECASTED WILL NOT BE CARRIED OVER FOR FUTURE USE, UNLESS RE-FORECASTED. CHANGES TO FORECAST MUST ALLOW 90 DAYS FOR STOCKAGE TIME.

2-3. Turn-in of Ammunition and Residue.

a. DA Form 581 for turn-in need not be processed through DPTM. Turn-ins will be taken directly to the ALS.

b. Turn-ins require one original and three copies of the DA Form 581.

c. Upon completion of the turn-in, the ALS will retain the original and two copies of the DA Form 581; one copy will be forwarded through distribution to DPTM at the end of each day.

2-4. Safety and Compatibility Restrictions.

a. Blasting caps will be requested on a separate DA Form 581 from any other items.

b. Overhead fire ammunition will not be requested on the same DA Form 581 with other ammunition.

c. Blank ammunition will not be requested on same DA Form 581 with ball or tracer ammunition of the same caliber.

d. Pyrotechnics and demolition items will not be requested on the same DA Form 581.

e. Live A&E will not be requested with inert on the same DA Form 581.

2-5. Operational Ammunition.

a. Operational ammunition is ammunition needed to support mission requirements other than training or combat.

b. Use of operational ammunition must be IAW authorization contained in CTA 50-909 or have major command approval.

2-6. Forecasting of Operational Ammunition.

a. Operational ammunition for funeral details, daily flag ceremonies and pay guards, will be forecasted by DPTM.

b. Operational ammunition other than required in paragraph 2-6a above will be forecasted by using unit/activity. A sample format is at appendix C, figure C-5.

Chapter 3 REQUEST FOR ISSUE AND TURN-IN OF AMMUNITION AND RESIDUE

3-1. Requirements. All units/activities receiving ammunition from the Fort Leonard Wood, ALS will ensure the following:

a. A valid DA Form 1687 (Notice of Delegation of Authority-Receipt for Supplies) is on file at the ALS along with a copy of the assumption of command orders. Preparation instructions are in appendix C, figure C-6. Note: Strikeovers, erasing or appearance that the DA Form 1687 has been changed/alterd will not be accepted at the ALS.

b. Only personnel in the rank of staff sergeant (SSG) or above (or civilian equivalent) are authorized to receipt for Category I and II munitions (See appendix F, Category of Munitions).

c. When dispatching vehicles to pick up ammunition the commander must -

(1) Ensure that a sufficient number of vehicles are dispatched to pickup ammunition requested or/for possible segregation of incompatible munitions that may be listed on the DA Form 581 (Requests for Issue and Turn-in of Ammunition). A listing of incompatible items is attached (see appendix G, Segregation Chart).

(2) Ensure that vehicles selected will pass a stringent safety inspection at the ALS using DD Form 626 (Motor Vehicle Inspection). (See appendix C, figure C-7 for DD Form 626).

(3) Ensure that proper quantities of placards, blocking and bracing materials are on hand. (Placards are available at the ALS and will be furnished upon request for vehicles transporting munitions).

(4) Ensure armed guard is provided when picking up Category I and II items. Armed guards must be other than drivers. Armed guards must have qualified with assigned weapon within last 12 months. ROTC Cadets are not authorized for use as armed guards. Commanders will brief guards on the use of deadly force.

(5) Ensure that unit representative is listed on DA Form 1687.

(6) Ensure that vehicle drivers possess valid operator's license and HAZMAT certification. Military personnel will have OF Form 346 (Military Drivers License), civilian personnel will have appropriate state commercial drivers license.

d. Unit Representative will -

(1) Report to the customer service desk at ALS with the unit's suspense copy of DA Form 581 for ammunition to be picked up. Ensure completion of issue, units should arrive at the ALS to complete issue by 1430.

(2) Request vehicle inspection if vehicle does not have a valid inspection (DD Form 626).

(3) If vehicle inspection revealed deficiencies, the unit representative will be given a copy of DD Form 626 listing deficiencies and be instructed to report back to unit's supporting maintenance activity to have deficiencies corrected or to obtain another vehicle.

(4) If vehicle inspection reveals no deficiencies, the unit representative will be given the DD Form 626 and be instructed to report back to the customer service desk. The DD Form 626 will remain in effect until the completion of the mission; providing both the vehicle and driver remain the same as the date of issue.

e. An ALS ammunition handler will verify that unit representative is listed on a valid DA Form 1687, and have individuals entering the restricted area sign in on the Restricted Area Visitor Record. When verification and sign in has been completed, the unit representative(s) will -

(1) Accompany the ALS ammunition handler to the storage area.

(2) Load ammunition requested on proper vehicle.

(3) Inventory quantities and verify lot numbers.

(4) After inventory and verification, sign DA Form 3151-R (Ammunition Stores Slip) as the receiving checker.

(5) Ensure ammunition loaded on vehicles is properly segregated, blocked, braced and placards are in place.

(6) Return loaded vehicles to the vehicle assembly area.

f. Unit representative and ALS ammo handler will go to the customer service desk where the quantities will be abstracted from DA Form 3151-R on to DA Form 581.

g. Unit representative will -

(1) Ensure quantities transferred are correct.

(2) Sign the receipt block of DA Form 581.

(3) Retain the following:

(a) Unit's suspense copy of DA Form 581 (Requests for Issue and Turn-in of Ammunition).

(b) Copy of completed DA Form 581.

(c) Copy of DA Form 3151-R (Ammunition Stores Slip).

(d) Copy of DD Form 836 (Special Instructions for Motor Vehicle Drivers) if appropriate. (See appendix C, figure C-8).

(e) Copy of DD form 626 (Motor Vehicle Inspection).

3-2. Request for Turn-in of Live Ammunition.

a. Prepare DA Form 581 in one original and 4 copies. Each unit turn-in document for live ammunition will have a separate document number, to match each initial issue document number that was issued to them. (See appendix C, figure C-4 for preparation instructions).

b. Ensure ammunition is properly packed, loaded, segregated, blocked and braced on vehicle and placards are in place. Opened ammunition must be repacked in its original container. See appendix C, figure C-9, for required statement that must be present in each opened container of ammunition (FLW Form 924).

c. Ensure that vehicle drivers possess valid operator's license and HAZMAT certification. Military personnel will have OF Form 346 (Military Drivers License), civilian personnel will have appropriate state commercial drivers license.

d. Vehicle used to transport live ammunition must have a valid DD Form 626 (Motor Vehicle Inspection), A DD Form 836 (Special Instructions for Motor Vehicle Drivers).

e. To ensure completion of turn-in, units should arrive at the ALS to complete turn-in by 1430.

f. Unit representatives will -

(1) Deliver ammunition, with one original and three copies of DA Form 581 to the ALS.

(2) Report to the customer service desk with DA Form 581.

(3) Inform the ammunition clerk that you have a live turn-in.

(4) Ammunition will be inspected for serviceability.

(5) Prior to accompanying the ALS ammunition handler to storage site, sign the Restricted Area Visitors Record.

(6) Assist the ALS ammunition handler in repacking, marking and placing ammunition back in stock.

(7) Verify the quantities turned in on DA Form 3151 -R.

(8) When all items have been placed back into stock, accompany the ALS ammunition handler to the customer service desk where quantities turned-in will be abstracted from DA Form 3151-R to DA Form 581. Sign DA Form 3151-R and DA Form 581 as the issuing checker. The ammunition handler will sign as the receiving checker.

(9) Ensure receipt of a completed copy of DA Form 581, and DA Form 3151-R facsimile.

3-3. Request for Turn-in of Unserviceable Munitions.

a. Prepare DA Form 581 in one original and 4 copies. See appendix C, figure C-10, for preparation instructions.

b. Retain one copy in unit suspense file and carry the original and three copies through unit channels to the ALS.

c. Ensure munitions are properly segregated, blocked, braced on vehicle and placards in place.

d. To ensure completion of turn in, units should arrive at the ALS to complete turn-in by 1430.

e. Report to the customer service desk, ALS, with the original and three copies of DA Form 581.

(1) Inform the ALS ammunition clerk of a turn in of unserviceable ammunition.

(2) Ammunition will be inspected to determine serviceability.

f. Prior to accompanying the ALS ammunition handler to the storage area, sign the Restricted Area Visitors Record.

(1) Unserviceable ammunition will be off-loaded and inventoried.

(2) The ALS ammunition handler will enter the inventoried quantity on DA Form 3151-R.

g. Unit representative will -

(1) Verify quantities turned in on DA Form 3151-R (Ammunition Stores Slip).

(2) Accompany the ALS ammunition handler to the customer service desk where quantities turned-in will be abstracted from DA Form 3151-R to DA Form 581. Sign DA Form 3151-R and DA Form 581 as the issuing checker. Ammo handler will sign as the receiving checker.

(3) Verify quantities abstracted to DA Form 581.

(4) Receive completed copies of DA Form 581 and DA Form 3151-R.

3-4. Request for Turn-in of Residue.

a. Prepare DA Form 581 in one original and 4 copies. Each unit turn-in document for residue and for unserviceable will be kept separate and have separate document numbers to match each initial issue document number. See appendix C, figure C-11, for preparation instructions.

b. Retain one copy in unit suspense file and carry the original and three copies through unit channels to the ALS.

c. To ensure completion of turn in, units should arrive at the ALS to complete turn-in by 1430.

d. Report to the customer service desk -

(1) Inform the ALS ammunition clerk that you have a residue turn-in.

(2) The ALS ammunition clerk will check the 'free of live ammunition and explosives (A&E)' statement. This must be signed by an E-7 or above.

(3) The ALS ammunition clerk *will* also check all DA Form 5692-R (Ammunition Consumption Certificate) prior to accepting residue for turn-in. See appendix C, figure C-12.

e. Unit representative will -

(1) Unit representative(s) and all other personnel accompanying the ALS ammunition handler inside the restricted area will sign-in on the Restricted Area Visitor Record before entering the ammunition storage area.

(2) Ensure that residue is off-loaded, counted or weighed and screened for live ammunition.

(3) Ensure that the ALS ammunition handler enters the quantities or weight of each item on DA Form 3151 -R.

(4) Accompany the ALS ammunition handler back to the customer service desk where weights will be converted to

actual quantities by using conversion charts provided in DA Pam 710-2-1, Table K-1. Sign DA Form 3151-R and DA Form 581 as the issuing checker and the ammunition handler will sign as the receiving checker.

(a) The ALS is responsible for the final determination of whether or not a residue shortage exists.

(b) Complete DA Form 5811-R, (Certificate-Lost or Damaged, Class 5 Ammunition items) (see appendix C, figure C-13) for any residue shortages that exceed the allowable losses specified in DA Pam 710-2-1, appendix J, and FLW Reg 700-2. The first Lieutenant Colonel (LTC) in the chain of command signs the certificate. Make every effort to collect all residue for turn-in even when the nature of the training prevents collection of all residue. Missing live ammunition requires action under AR 190-11/NGR 190-11. An AR 15-6 investigation will be initiated when a shortage of Category I ammunition or Category I residue occurs.

(c) Commanders are required to initiate action and attach evidence of that action (i.e., copy of report of survey or other request for investigation) when -

1 Turn-in action and all administrative requirements are not completed within 5 working days following the event for which the ammunition was issued and an extension was not granted due to abnormal circumstances.

2 The residue plus live ammunition turned-in is less than the quantity issued and is not accounted for by the commander's statement or the allowable losses provided in this regulation. See appendix C, figure C-13.

3 Damage to live ammunition is from other than fair wear and tear (FWT). The ALS must meet a unit's requirement to return ammunition and residue and complete the documentation within 5 working days after completion of the training event, or the ALS must grant an extension. The ARNG State Marksmanship Coordinator (SMC) is responsible for turning in all marksmanship ammunition and residue on a quarterly basis. A complete reconciliation of prior issue documents is required before receiving additional ammunition.

4 When the unit exceeds the 5 working day turn-in documentation-completion period without prior coordination, the ALS initiates command notification and will not issue more training ammunition to that unit until the turn-in action is completed or proof of initiation of an investigation is provided to the ALS.

5 Ensure correct quantities are abstracted from DA Form 3151-R to DA Form 581.

f. The ALS ammunition handler will sign DA Form 3151-R (Ammunition Stores Slip) and DA Form 581 (Requests for Issue and Turn-in of Ammunition) as the receiver and give copies to unit personnel.

g. Residue must be turned-in to the ALS within 5 working days after completion of training event.

h. Appendix H of this regulation provides a listing of all residue that must be returned. Use this reference when preparing DA Form 581 for residue.

3-5. Specially Controlled Training Ammunition. Expenditure Certification. (This Certification is in addition to other requirements in this regulation).

a. The Unit Range Officer in Charge (SSG or above) will sign DA Form 581 or DA Form 5515 (Training Ammunition Control Document) and control all items listed in appendix H marked with an asterisk to ensure all are correct.

b. The Unit Range Safety Officer (SSG or above) will certify quantities drawn, quantities to be returned, and quantities consumed in training at the range. A W01, or above, will perform the Unit Range Safety Officers duties at any training event requiring expenditure of explosives at locations other than on U.S. Army installations; or when Category I items are used in live fire exercises.

c. The Unit Range Safety Officer will personally observe placement of charges, actual detonation, and certify the quantity of all items expended. Certification will be completed on DA Form 5692-R (Ammunition Consumption Certificate).

d. The original of each certification of expenditure will be attached to the turn-in document (DA Form 581 or DA Form 5515). The Unit Range Safety Officer (E-7 above) will sign expenditure statement placed in block 28 of the DA Form 581. Documents will be provided to the ALS during the turn-in/reconciliation process. The ALS will not clear units without the required certification and signatures.

3-6. General Information.

a. The ALS is located at Building 1422.

b. The normal hours of operation are 0730-1115 and 1200-1430, Monday through Friday, excluding holidays. NOTE: Reserve and National Guard Units desiring ammunition transactions that require overtime must make arrangements not less than 7 days prior to desired date. Arrangements must include fund cite to pay for required overtime.

c. Each quarter the ALS conducts a physical inventory. The hours of operation during the inventory are 0730 to 1100. All transactions must be conducted between 0730 and 1100 during the inventory period. All units needing ammunition the week prior to, during, and one day following inventory must submit their request in sufficient time to arrive at the ALS one week prior to the inventory commencement date. Hand carries will not be accepted after the cut-off date. Inventory and document cut-off dates will be published via e-mail in sufficient time for units to respond. Inventory months are March, June, September and December.

d. To enhance security, accountability, and safety, the ALS is required to affix a wire seal on all containers of ammunition before storage. The ALS will ensure that detailed procedures are established and maintained, which provide an accurate audit trail on any container, which has been sealed within the organization. This audit trail must be traceable back to the individual who made the last ammunition transaction and sealed the container. This requirement will apply to any organization, which utilizes seals as a part of its ammunition management program.

e. Vehicles assigned to the ALS are inspected weekly, using DD Form 626.

Chapter 4 AMMUNITION LOGISTICS SECTION HOLDING AREA

4-1. Holding Area.

a. The Ammunition Holding Area (AHA), adjacent to Building 1422, is an integral part of the ALS, which is responsible for its general operation. A portion of the ALS holding area consists of containers (CONEXs and MILVANS), which will be assigned to units on an as-needed basis to support their training and operation mission. The purpose of the container is to provide units with means to store ammunition and explosives (A&E) in a safe and secured

temporary storage location, which is accessible during other than normal ALS duty hours.

b. Ammunition stored in the holding area will not exceed the amount needed for the training event or operational missions. The definition of operational mission is a mission associated with war or peacetime operations in which the consequences of an action justify the risk of loss of equipment and personnel.

c. All units having temporary control of a container within the AHA will read and sign FLW-000-M-303. This SOP outlines the proper storage procedures for A&E (See Appendix I for SOP).

d. Units utilizing the holding area are responsible for the following:

(1) Police of assigned area.

(2) Obtain IDS access and secure assigned container.

(3) Maintain Magazine Data Card (DA Form 3020-R) for A&E stored longer than 24 hours.

(4) Comply with all safety and storage requirements of DA PAM 385-64.

(5) Provide lock and keys to secure container.

e. Prior to storing A&E, units are required to sign for a container (CONEX/MILVAN) and entrance key to the AHA. The following procedures are as follows:

(1) Request for container from Ammunition Surveillance Office.

(2) Provide to the Surveillance Office a list of A&E that will be stored at the holding area. The list will include: NSN, DODIC, QTY, NOMENCLATURE, POC NUMBER AND DURATION OF TRAINING/OPERATION.

(3) Request and sign for AHA entrance key from Chief, ALS.

(4) The Surveillance Office will assign a container and conduct a pre-inspection of the container.

(5) Sign for container, ensuring container is secured.

f. At the completion of the training or operation mission, units will ensure the container is empty and will remove lock from the container. The Surveillance Office will then inspect the AHA container to verify that it is free of A&E. The AHA entrance key will be returned to the Chief, ALS.

g. The issue and turn-in of container can be accomplished in conjunction with issue and turn-in of A&E.

4-2. Safety.

a. All safety provisions of DA Pam 385-64 (Ammunition and Explosive Safety Standards) and storage limitations will be compiled with. The Quality Assurance Specialist Ammunition Surveillance (QASAS) assigned to FLW will determine the quantity limitations for the total holding area and for each subordinate element of the area and ensure compliance by conducting unannounced inspections of all vehicles, CONEXES and areas assigned within the holding area. (See appendix J for Net Explosive Weight (N.E.W.) limitations.)

b. The local Explosive Ordnance Disposal Detachment (EOD), is the only unit authorized deviation to store limited quantities of category II military standard/commercial explosives within the holding area.

c. The DOL Ammunition Surveillance Branch will conduct inspection of the holding area in accordance with intervals established by Supply Bulletin 742-1.

d. Access to the vehicles, CONEX, and area gates in the holding area by personnel of the ALS must be accomplished in a timely manner. Normal response time to a request for entry into an area should be 1 hour or less.

e. Emergency evacuation or immediate access to a tenant's vehicle, CONEX or holding area by ALS personnel may necessitate the cutting of locks on the vehicle, CONEX, or area gates. If such emergency access does occur and the cutting of locks is necessary, the unit is responsible for replacement of locks. Activities/units assigned these areas will be notified immediately so that special inventories may be accomplished and accountability reestablished. An emergency is defined as a potential life or property-threatening situation within the holding area.

4-3. Inbound Shipments Arriving After Normal Duty Hours. Upon arrival of munitions after normal receiving hours (0730-1430), the Military Police will perform the following:

a. Perform an inspection at the main gate to determine safety, possible threat incident, and type of munitions on board. Complete FLW Form 1643 (Explosives Transport Vehicle Checklist) upon completion of inspection.

b. Examine shipping documents to prevent entry of an unauthorized shipment to the installation. Only ammunition/explosive shipments/carriers (vehicles) will be placed inside the parking area.

c. Check seal number against shipping documents to ensure the original seal and load are still intact.

d. Escort the vehicle along the approved route to the holding area.

4-4. Commercial Drivers. Commercial drivers have two options with respect to using the parking area:

a. The driver may elect not to use the parking area.

b. If 18 hours or less remain until ALS work hours resume the driver may remain on post with the shipment in the parking area.

Chapter 5 HOLDING AREA STORAGE OF EXPLOSIVE ORDNANCE DISPOSAL DETACHMENT (EOD)

5-1. Utilization.

a. The ALS Holding Area will not be used except as specified in this regulation for long-term storage of Category II - IV munitions. Deviations of policies and procedures due to EOD mission requirements require storage of an EOD minimal operational "READY" load in the holding area. Control will be provided by frequent inspections, inventories and rotation of explosives to preclude violations of safety, security, and compatibility.

b. EOD Minimum Operational "READY" Load is the minimum amount of explosives necessary to provide immediate response to reported incidents requiring the destruction of unsafe explosive devices.

5-2. Responsibility. The DOL ALS is responsible for conducting inspections of the Holding Area. The Ammunition Surveillance Office will conduct periodic unannounced inspections. A written report will be prepared with any corrective action specified and required to be accomplished

within 5 days. Unsafe conditions will be corrected immediately. Inspection reports will be retained in the ALS surveillance files for a period of 1 year.

5-3. Storage Limitations. Commander, local Explosive Ordnance Disposal Detachment (EOD), in coordination with QASAS, will be responsible to determine a safe storage limitation quantity in Net Explosive Weight (N.E.W.) for their section of the holding area and ensure that the limit is not exceeded. This total N.E.W. will not reflect items, which are brought in by EOD personnel for emergency storage, in the incident Storage CONEX. These acquired items will be removed to other storage sites or destroyed on the next normal workday. (No unsafe items will be stored for any reason.)

Chapter 6 FORT LEONARD WOOD AMMUNITION AND EXPLOSIVES AMNESTY PROGRAM

6-1. Intent.

a. It is not the intent of the amnesty program to circumvent normal turn-in procedures. "Found-on-installation" ammunition and explosives do not require a turn-in document and are exempt from advance turn-in notification at the DOL ALS.

b. Commanders and responsible individuals will ensure established amnesty procedures and controls do not prevent individuals from freely turning in "found" ammunition and explosives.

c. Ammunition and explosives found in the Fort Leonard Wood area of support and local community will be accepted by Range Support Company, Fort Leonard Wood, in accordance with established procedures of this chapter.

d. Non-military ammunition and explosives will not normally be handled through the amnesty program. This does not preclude EOD personnel assisting in the handling of these items.

e. Cases involving turn-in of explosives must be handled with the utmost caution. All personnel finding or wishing to turn-in explosives should contact Range Support Company personnel prior to picking up or moving the item.

f. Two primary amnesty boxes for turn-in of ammunition and explosives have been established.

(1) Ammunition Logistics Section (ALS): this location may be utilized during normal duty hours.

(2) Range Support Company: this location may be utilized before, during, and after normal duty hours.

g. Amnesty boxes are intended for a "No Questions Asked" turn-in of small arms ammunition. They are not intended to circumvent turn-in procedures in AR 710-2.

h. Unexploded ammunition and explosives items found on ranges that are larger than small arms ammunition, such as smoke grenades, signal cartridges, flares, simulators, etc., are "suspect" and must not be touched as they present a significant personal safety hazard if disturbed. Contact the installation's Range Officer when ammunition and explosives items, other than small arms ammunition are discovered. Range Support Company personnel will notify the local Explosive Ordnance Disposal Detachment of the location and type of ordnance found.

i. Small arms ammunition found on ranges or training areas may be placed in the primary amnesty boxes listed above, or in the secondary amnesty boxes located on each range. In

addition, amnesty may be handed to the ALS driver during scheduled pick-ups of ammunition on the range at the end of the day.

j. Additionally, a post-wide "Amnesty Day" for ammunition and explosives turn-in will be conducted annually in conjunction with "Stand Up for Safety Day".

6-2. Coordination. The DOL is the coordinating office for ammunition and explosives amnesty actions at Fort Leonard Wood. DOL responsibilities are as follows:

a. Publish guidance and instructions for the Fort Leonard Wood Amnesty Program.

b. Pick up amnesty items at Range Support Company daily and all ranges during normal pickups.

c. Arrange for EOD support if explosives or unstable item(s) are turned in to the ALS through the amnesty turn-in point.

d. Inspection, classification and accountability of returned ammunition and explosives to the ALS through the amnesty program.

e. Coordination with PAO for a publicity campaign program in support of the amnesty program.

f. Coordination with Range Support Company for security of returned ammunition and explosives, if applicable.

6-3. Point of Contact. Range Support Company, Fort Leonard Wood, is the POC for amnesty turn-ins of ammunition and explosives and will operate and maintain turn-in points in accordance with procedures specified in paragraph 6-7 and 6-8.

6-4. Publicity. PAO is responsible for coordinating and developing publicity campaigns for the amnesty program with periodic articles and other media support to keep personnel and the local community informed.

6-5. Responsibility. Commanders of units and activities supported by the Fort Leonard Wood Ammunition Logistics Section are responsible for:

a. An amnesty program briefing to new soldiers during in processing.

b. Conducting quarterly briefings on the amnesty program.

c. Posting locally printed announcements concerning the amnesty program on Fort Leonard Wood, and including telephone numbers and location of the amnesty point in the Charge of Quarters (CQ) or Staff Duty guides.

d. Establishing an atmosphere that does not intimidate the soldier or prevent the soldier from feeling free to turn in ammunition or explosives.

e. Providing directions to anyone (military or civilian) who wishes to turn-in ammunition or explosives under the amnesty program.

f. Providing EOD support if unstable or unsafe ammunition or explosives are turned-in at the amnesty point or the ALS.

g. Providing EOD support to the Fort Leonard Wood area of support and local community if so directed.

6-6. Turn-ins.

a. Soldiers and civilians may turn in ammunition and explosives to Range Support Company, Bldg 5282, telephone

573-596-2525, at any time, or during normal duty hours at the Ammunition Logistics Section, Bldg 1422, telephone 573-596-0896.

b. All ammunition and explosives found on post, in the local community, and area of support will be accepted with no questions asked.

c. The ALS will coordinate with Range Support Company Amnesty Turn-in Point to arrange inspection and pickup of turned in items.

d. If unstable or unsafe items are received, notify EOD or the ALS as soon as possible.

6-7. Observation.

a. Range Support Company personnel must have the turn-in point under observation and examine all turn-ins at once for potentially unstable or dangerous conditions. ALS and EOD personnel will assist if any questionable item should be turned in. Continuous observation should result in preventing unauthorized personnel from taking any item from the turn-in point. Ammunition boxes on ranges are checked by ALS delivery personnel during normal pickups.

b. Designated as the POC, Range Support Company personnel will receive telephone calls for any potentially dangerous turn-ins. These calls must be handled judiciously and professionally to prevent unnecessary movement of potentially unstable munitions. If an adequate description can be obtained and the determination can be made that the turn in involves small arms munitions or other safe materiel, instruct the individual(s) to bring them to the turn in point. In cases where safety cannot be determined, contact EOD/ALS personnel for guidance.

c. If the potentially unsafe munitions are located off post, Range Support Company will instruct the individual to contact the local authorities. If they are reluctant to do so, or cannot do so, Range Support Company will obtain all necessary information on location, description and quantity and contact the Military Police who will in turn notify the local authorities. Instruct individuals to not handle or move potentially unsafe or dangerous items.

d. Some turn-ins will be made without prior coordination and delivered without notice. The turn-in area should be checked every 4 hours for unobserved turn-ins.

6-8. Procedures. Procedures must not prevent individuals from voluntarily turning in found ammunition and explosives. Every effort must be made to reduce anxiety in individuals attempting to turn in items. Turn in of items under this program does not require paperwork or identification of individuals.

Chapter 7

IDENTIFICATION, ACCOUNTABILITY AND SECURITY OF INERT OR EMPTY AMMUNITION AND COMPONENTS

7-1. Identification.

a. Stenciling, painting, applying decals, or labeling inert or empty ammunition and components is not sufficient for identifying them as being inert or empty; therefore, more positive identification is needed (see caution at para 7-4a).

b. Four holes no smaller than one-fourth inch will be drilled through the complete item. This includes fuze, body section, and cartridge case. The holes will be 90 degrees apart. When components are too small for the one-fourth inch holes, fewer holes of smaller diameter can be drilled. Exceptions are -

(1) Items listed in supply manuals as standard for issue.

(2) Items on permanent display in Army museums if drilled holes would diminish their historical value.

(3) Inert or empty projectiles used in target practice, or other inert or empty items whose design would be impaired by drilling holes. These items are suitably identified when marked inert, empty, or dummy.

7-2. Marking.

a. In addition to being drilled, all inert or empty ammunition or components will be marked "Inert" or "Empty". Marking must be clear and obvious.

b. Ammunition items mounted on wall plaques or display boards, in display cases, or permanent museum exhibits will have the word "Inert" on an attached plate. The plate can be of metal, wood or plastic permanently affixed to the display.

7-3. Training Aids.

a. All training aids will be accounted for on unit property book records and controlled with hand receipt procedures. Training aids converted from live munitions will be secured as category IV live munitions in accordance with AR 190-11.

b. Items mounted on display boards are exempt from this requirement.

7-4. Conversion of Munitions.

a. Under no circumstances will units be authorized to convert expended "live fire" munitions "residue" into "inert" munitions training aids; i.e., cartridges, grenades, mines, AT4s, firing devices, claymore test devices, etc., without written approval from the MACOM and then only after the device is certified as inert. Currently, Training Support Center (TSC), DPTM, is authorized to convert AT4s to inert training aids.

b. Delinking ammunition is not authorized.

7-5. Common-Use Items. Listed below are some common-use items that require accountability and security as category IV live munitions.

a. Claymore mines practice (metal disk or steel spheres inside).

b. Rocket launcher, M190, with M73 sub-caliber practice rocket.

c. Expended AT4.

Chapter 8

UNIT TRAINING AMMUNITION MANAGEMENT AND CONTROL PROCEDURES

8-1. Management and Control. All units that request and receive ammunition or explosives from the Fort Leonard Wood Ammunition Logistics Section will maintain a set of training ammunition/explosives management and control documents.

8-2. Required Documents. The following is a listing of documents required for unit control and management:

a. DA Form 5514-R (TAMIS Training Ammunition Forecast Report), or ARNG HRA11PO equivalent. See appendix C, figure C-2.

b. DA Form 5203 (DODIC) Master/Lot Locator Record).

- c. DA Form 581 (Request for Issue and Turn in of Ammunition).
- d. DA Form 3151-R (Ammunition Stores Slip).
- e. DA Form 5515 (Training Ammunition Control Document).
- f. DA Form 5515-1 (Training Ammunition Control Document (Continuation Sheet)).
- g. DA Form 2064 (Document Register for Supply Actions).

8-3. Training Ammunition Management Information System (TAMIS) Authorization Report. Use the TAMIS Authorization Report or ARNG HRA11PO as baseline information for maintaining a continuous running balance of the remaining annual training authorization by -

- a. Deducting from the initial authorization, i.e. deducting the quantities shown on the issue copy of the DA Form 581 (Request for Issue and Turn in of Ammunition), from the ALS as they occur.
- b. Annotating changes in authorizations.
- c. Maintaining a running balance on additional attached sheets of paper is authorized. Making sure the running balance shows continuous visibility of the remaining authorization by Department of Defense Identification Code (DODIC).
- d. Making sure that current TAMIS Authorization Reports are obtained after each transaction occurs.

8-4. Preparation.

- a. Prepare a DA Form 5203 (DODIC Master/Lot Locator Record) (appendix C, C-14) for each DODIC.
- b. When ammunition is received from the ALS, post receipts from the DA Form 581 to the DA Form 5203 and DA Form 2064.

(1) On the DA Form 2064 (Document Register), post the date received and the quantity received for the first item listed on the request (DA Form 581). See appendix C, figure C-15.

(2) On the DA Form 5203 (DODIC Master/Lot Locator Record), enter the date and quantity received for each DODIC. Also enter the document number from the DA Form 581, and update the balance on hand.

- c. File the DA Form 581 and the DA Form 3151-R as supporting documents for the document register entry.

8-5. Hand Receipt.

- a. Use DA Form 5515 (appendix C, figure C-16) as a hand receipt for issuing ammunition or explosives to the responsible unit representative.
- b. DA Form 5515 (Training Ammunition Control Document), is a unit level hand receipt for transferring custody of ammunition or explosives from one supervisory level to another.
- c. Additional sub-issues may be made by utilizing the second part of the DA Form 5515 and additional DA Form 5515s. The organization which receives ammunition on DA Form 581 will maintain a copy of each sub-issue DA Form 5515 to provide an audit trail of expenditures of all ammunition down to the first line supervisor. A copy of each supporting DA Form 5515 will be attached to the issue, DA Form 581.

d. The use of the DA Form 5515 will simplify the ammunition and residue turn-in. Do not use DA Form 5515 to issue ammunition lower than the first line supervisor (sergeant (E-5) or equivalent) closest to the soldier who will expend the ammunition or explosive.

e. Units will open and unpack all munitions as needed. Under no circumstances will munitions be opened/unpacked if not to be expended.

8-6. Assignment of Document Numbers.

a. The activity (custodian) that maintains the DA Form 5203 and DA Form 2064 for ammunition and explosives received from the ALS, assigns a document control number to the DA Form 5515 from the expendable items document register.

b. On the document register, show date issued and the DODIC and nomenclature of the first item on the DA Form 5515.

c. Post the DA Form 5203 and DA Form 2064, as appropriate for all items on the DA Form 5515 with the date issued, document number, unit designation, quantity, and remaining on-hand balance.

8-7. Hand Receipt to Subordinate Units. Use the DA Form 5515 as a hand receipt to pass responsibility to subordinate levels; examples of use are as follow:

- a. Brigade S-4 to battalion S4.
- b. Battalion S-4 to company supply.
- c. Battalion or company supply to platoon leader or platoon sergeant.
- d. Range officer-in-charge (OIC) to noncommissioned officer-in-charge (NCOIC) who will control ammunition/explosives.
- e. Platoon leader or sergeant to squad leader.

8-8. Use of DA Form 5515 (Training Ammunition Control Document).

a. Each level of transfer will use a different DA Form 5515. The document number perpetuates down from original custodian maintaining the document register to the last transfer. The intent of this action is to maintain signature accountability to a supervisory level closest to the expending user to ensure proper control and consumption of ammunition/explosives and collection of residue after expenditure.

b. Each level of transfer will result in the receiving soldier being briefed on the responsibility for authorized usage, turn in, and reconciliation of the ammunition/explosives issued to them. Upon each transfer, the issuing supervisor will give to the receiving supervisor the following briefing, both before and immediately following, any transfer of ammunition and explosives during any training activity that includes ammunition/explosives.

(1) Before issue. All soldiers involved are told they must return all ammunition and residue at the end of the exercise. Intentional failure to do so is a Uniformed Code of Military Justice (UCMJ) punishable offense. DA Form 5515 contains the required briefing and debriefing certificates.

(2) After exercise. All soldiers are told to turn in all ammunition and residue and that failure to do so is a UCMJ punishable offense. All will receive a safety inspection. DA Form 5515 contains the required briefing and debriefing certificates.

(3) Returning residue to next higher supervisory level. The issuing supervisor will conduct a 100 percent inspection of all residue and sign the statement, "The above residue items are inert and have been 100 percent inspected and contain no live rounds, live primers, explosives or other dangerous materials".

(4) After all personnel have turned in ammunition/explosives residue, conduct a safety inspection to ensure that they do not have, in their possession, any live ammunition or residue.

(5) Blocks 33 and 38 are used for the transfer of residue and/or live ammunition/explosives back through supervisory channels to the original custodian controlling the document register certifying that all residue has been inspected.

(6) Inventory the remaining ammunition and residue. Repack the live ammunition/explosive as close to original configuration as possible, always maintaining lot number integrity. Complete the DA Form 5515 by annotating the appropriate blocks as shown in appendix C, figure C-16.

(7) If the nature of the training exercise (i.e., field training exercise (FTX), joint training exercise (JTX), live-fire exercise (LFX)) prevents collection of all residue, provide an explanation of the circumstances involved on DA Form 5515. Opened ammunition containers will be inspected by a sergeant first class or above, from the unit returning the items, to ensure that lot numbers agree with the lot numbers printed on the container and that all ammunition components are present and are properly repacked. Ammunition inspection certificate signed by a SFC or above, from the unit returning the items will be placed in each container certifying that the information listed above is correct. Instructions and example of FLW Form 924, Ammunition Inspection Certificate, are in appendix C, figure C-9. Final determination of the condition of ammunition; i.e., serviceable or unserviceable, rests with ALS personnel.

(8) Supplementary charges. Supplementary charges removed from artillery projectiles prior to assembling proximity fuzes to projectiles will be packed in the containers from which the proximity fuzes have been removed. The containers should be properly marked and will be returned to the ALS.

(9) Specially controlled training ammunition.

(10) The Unit Range Officer in charge (SSG or above) will sign DA Form 5515 and control all items coded with an asterisk in appendix C, figure C-16.

(11) The Unit Range Safety Officer (SSG or above) will certify quantity drawn, quantity to be returned, and quantity consumed in training at the range. A warrant or commissioned officer will perform the Unit Range Safety Officer duties at any training event requiring expenditure of explosives when category I items are used in live fire exercises.

(12) The Unit Range Safety Officer will personally observe placement of charges, actual detonation, and certify the quantity of all items expended. Certification will be completed on DA Form 5692-R.

(13) The original of each certification of expenditure will be attached to the turn-in document (DA Form 581 (Request for Issue and Turn-in of Ammunition)) or DA Form 5515 (Training Ammunition Control Document). The Unit Range Safety Officer (SFC or above) will sign the expenditure statement in block 28 of the DA Form 581. Documents will be provided to the ALS during the turn-in/reconciliation process. The ALS will not clear units without the required certification and signatures.

(14) Demolition plan.

(a) A copy of the unit's DA Form 2203-R will be provided to Range Operations at the time the unit request use of the range for training purposes. See appendix C, figure C-17.

(b) The training unit's Demolition Reconnaissance Report must be approved on a level above the unit requesting explosives, but not less than battalion.

(c) This plan will be used to cross-check against explosives reported as expended.

(d) Range Operation will retain all Demolition Reconnaissance Reports.

(e) Units conducting training will provide Range Operations with the following: Time the range was opened and closed; type and amount of explosives consumed, firing systems types and amounts consumed; and a copy of the issue DA Form 581. This information will be provided to Range Operations at the time the range is closed. Range Operations will record this information in a daily log.

(f) Range Operations will compare amounts reported as consumed with the amounts indicated on the training unit's Demolition Reconnaissance Report. Any differences will be challenged within one working day.

8-9. Reconciliation. The activity that first issued the ammunition/explosives on DA Form 5515 will -

a. Reconcile the quantities of ammunition, explosives and residue returned, against the original DA Form 5515 and quantities issued.

b. Note all shortages.

c. Verify that a statement is entered on the DA Form 5515 to explain the circumstances causing a shortage if applicable.

d. Ensure that the statements on DA Form 5515 are signed and dated.

e. Sign the DA Form 5515 in blocks 16 or 17 depending on the line left by returning supervisors, confirming receipt of live ammunition/explosives and/or residue turned-in. Confirm that the residue does not contain any live rounds, primers, explosives, or other extraneous material.

f. Post the DA Form 5515 to document register. Annotate the issue transaction as completed, including date completed.

g. Post the quantity of live rounds received to the appropriate DA Form 5203 (DODIC Master/Lot Locator Record).

NOTE TO ALL SUPERVISORS: Open boxes of ammunition only as needed. Returning live ammunition/explosives is easier when only the number of boxes required to conduct training is opened. Problems occur when more ammunition than needed is opened and lot number integrity is lost. Upon completion of each training event, ensure that all personnel turn-in any ammunition or explosives not expended and/or any residue that they might have in their possession.

8-10. Weight Conversion.

a. The following formulas are used at the ALS to check for loss of brass and other cartridge types when returned to the ALS. Questions concerning the percentage of loss that can be allowed may be directed to the ALS (see appendix K, Brass and Residue Recovery Requirements).

.22 Caliber, Brass, short	.0008
.22 Caliber, Brass, long	.0014
.30 Caliber, Brass, Carbine	.0101
.30 Caliber, Steel, Carbine	.0081
.30 Caliber, Brass, all other	.0286
.38 Caliber, Brass, all	.009
.45 Caliber, Brass, all	.0124
.45 Caliber, Steel, all	.012
.50 Caliber, Brass, all	.121
.50 Caliber, Steel, all	.111
5.56 millimeter, Brass, all	.0135
7.62 millimeter, Brass, all	.026
9 millimeter, Brass, parbellu	.009
20 millimeter, Brass, small	.2
20 millimeter, Brass, large	.25
Shotgun, Brass	.036
25 millimeter, Steel, all	.48
All other brass	Individual count

Table 8-1. Brass Conversion Factors.

b. The ALS weighs the ammunition brass when it is returned to the ALS to determine if the ammunition issued to the unit was fired and if the total quantity of ammunition issued, less any live ammunition turned in, equals the amount of residue turned-in.

c. Supervisors that issue ammunition/explosives using DA Form 5515 (Training Ammunition Control Document) are required to enter the amount of residue that the user must turn-in when all the ammunition is fired. Use the weights in the above listing to compute the total weight of residue for each small arms DODIC issued.

d. To determine brass weight from the quantity of live round issued, multiply the number of live rounds issued by the weight factor given above. For example:

(1) A user that is issued 39,875 rounds of 5.56mm ammunition must return 538.3 pounds of brass.

$$39,875 \times .0135 = 538.3 \text{ lbs.}$$

(2) A user that is issued 39,875 rounds of 5.56mm ammunition and turns in 19,875 rounds of live 5.56mm ammunition, must turn-in 270 lbs. of brass.

$$39,875 - 19,875 = 20,000 \text{ fired rounds}$$

$$20,000 \times .0135 = 270 \text{ lbs.}$$

To determine the amount of rounds from weight of brass, divide weight by the weight factor (pounds). For example:

(3) A user that was issued 39,875 rounds of 5.56mm ammunition turn in 337.5 lbs. of brass.

$$337.5 \text{ divided by } .0135 = 25,000 \text{ expended rounds.}$$

subtract expended rounds from total issued to determine number of live rounds that the user must turn-in;

$$39,875 - 25,000 = 14,875 \text{ live rounds.}$$

Chapter 9

TRANSPORTATION OF AMMUNITION AND EXPLOSIVES

9-1. Vehicle Inspections. All military vehicles either tactical or commercial will be inspected by a QASAS or a designated representative, using DD Form 626 prior to issuing ammunition at the ALS.

9-2. Guidelines. Inspections of vehicle(s) will follow the following guidelines:

a. Cargo type trucks and truck tractor semi-trailers are the preferred types of equipment for transporting ammunition and explosives. Trailers, other than tactical equipment designed for transporting ammunition and explosives (A&E) shall not be used.

b. Only properly dispatched vehicles will be used to transport A&E. A&E items will not be transported in privately owned vehicles (POV's), except for the Reserve Officer Training Corps (ROTC) and Marksmanship Programs when a Government owned vehicle is not available. (Even with this exception, (no more than two full outerpacks of small arms ammunition with nonexplosive bullets is authorized.)

c. Only qualified and officially authorized drivers will operate vehicles transporting explosives. The operator will be instructed in the safety and pertinent regulations governing the transporting of A&E.

d. Operators will inspect the following items pertinent to the vehicle prior to reporting to the ALS to pick up A&E.

- (1) Electrical wiring has no breaks or worn covers.
- (2) All lights are operational.
- (3) Foot and hand brakes are operational.
- (4) Fuel tank (s) do not leak.
- (5) Fuel line(s) do not leak.
- (6) Vehicle is clean and contains no waste or trash.

(7) Tires are properly inflated and that a spare tire is present (not required for High Mobility Multi-Purpose Wheeled Vehicle (HMMWV).

(8) If vehicle has tailgate or cargo racks, they are operational and installed.

(9) Vehicle is free of oil or other fluid leaks.

(10) Vehicles with any of the above deficiencies noted when reporting to the ALS will be rejected and will not be loaded.

(11) When the mission dictates, flame or spark-producing devices will be transported in a metal container, toolbox or glove compartment. The use of "strike anywhere" matches is prohibited.

(12) Vehicles transporting A&E will be equipped with a minimum of two serviceable 10-BC- or greater rated fire extinguishers.

(a) Fire extinguishers will be of a type that have been approved by Underwriter Laboratories, Inc., and comply with Class A and B requirements.

(b) Fire extinguishers will be placed in the vehicle readily available for operator's use.

(c) Unit/activities must furnish their own extinguishers.

(13) Vehicle will be equipped with Emergency Highway Warning Equipment.

(14) Once the vehicle has passed the inspection criteria of DD Form 626, ammunition handler will direct the operator and his vehicle inside the ALS. Vehicles transporting inert ammunition items and inert residue do not require the DD Form

626 or DD Form 836, but are required at least one 10BC fire extinguisher when entering the ALS.

9-3. Vehicles Operated inside the Ammunition Logistics Section.

- a. Vehicles operated within the ALS will comply with the guidelines and all directives given by the ALS ammunition handler.
- b. The engine will be stopped, hand brakes set, and wheels chocked before commencing the loading and unloading operation.
- c. A&E will be transported in the cargo bed or trailer of a vehicle only. A&E will not be loaded in the enclosed passenger area of any vehicle except small quantities of small arms. (Two cases or less of small arms ammunition may be transported in the cargo area of military vans or in the trunk area of military sedans.)
- d. Vehicles will not be loaded in excess of the manufacturer's load rating without the specific written authorization from the FLW Transportation Officer.
- e. Loads will be blocked and secured to prevent shifting or movement within the cargo department while in transit. Usage of tie-down straps is recommended.
- f. Ammunition in open cargo bed-type vehicles will be covered with a fire-resistant tarpaulin.
- g. A&E will not be unloaded or stored immediately behind the vehicle exhaust system.
- h. A&E will be transported from and returned to the ALS in a compatible state. Refer to Compatibility Chart in appendix G of this regulation, to determine the number of vehicles needed to pick-up and return A&E to the ALS.

i. Blasting caps, ignitors or other initiators will not be transported in the cargo compartment area with other explosives (excluding Modernized Demolitions Initiators (MDI)). Two vehicles will be required for transporting explosives and their ignitors/initiators. In emergency support situations, i.e. EOD missions when only one truck is available, this rule is waived and limited quantities of detonating agents may be carried in a separate compartment and shall be separated from the bulk explosive by the largest possible distance.

j. White-phosphorous filled items will not be transported in the same vehicle with any other type of A&E.

k. Vehicles transporting A&E will display the appropriate Department of Transportation (DOT) explosive placard on each side, front and rear of the vehicle. The ALS will furnish placards if not available in the unit.

9-4. Vehicles Departing the Ammunition Logistics Section. (Note DOT requirements will be complied with on and off the installation)

- a. The following guidelines will be strictly enforced:
 - (1) Refueling vehicles loaded with A&E is strictly prohibited except in an extreme emergencies.
 - (2) When vehicles loaded with A&E must be refueled, extreme caution will be taken to ensure that an overflow does not occur.
 - (3) All motors *will* be shut off prior to refueling operation.

(4) Other vehicles will maintain a distance of 100 feet from any refueling operation.

(5) Vehicles transporting explosives will be operated with extreme caution and care.

(6) Full stops will be made at all railroad crossing and main intersections.

(7) Congested areas/cantonment area will be avoided as much as possible.

(8) Vehicles transporting explosives to and from training areas will not stop for any reason, other than traffic warning signs. Any military police vehicles attempting to stop A&E carrying vehicles will be acknowledged by turning on emergency flashers. The driver will then proceed to the nearest open range or location with third party personnel present who could act as witnesses and provide assistance.

b. No person will be permitted to ride in the cargo compartment of a vehicle transporting explosive Hazard Classes 1.1, 1.2 or 1.3.

(1) Personnel may be transported in vehicle cargo areas when transporting small arms ammunition exclusively (two full cases or less).

(2) When personnel are transported in a vehicle transporting small arms ammunition -

(a) All containers will be blocked and secured with suitable ratchet-style tie-down straps (2" wide).

(b) All boxes will be stacked neatly.

(c) Boxes will not be stacked, sat on or walked on.

9-5. Movement of Ammunition and Explosives (A&E) Off the Installation. Movement of A&E by units or organizations off of FLW will be in accordance with the following guidelines:

a. Commanders will ensure that adequate safety measures are taken to prevent accidents involving A&E being transported off of Fort Leonard Wood. Drivers will exercise extreme caution while operating A&E loaded vehicles on public roads and highways. Congested areas will be avoided as much as possible. All drivers moving A&E off post will have in their possession a DD Form 626 (Motor Vehicle Inspection), a DD Form 836 (Special Instructions For Motor Vehicle Drivers), an OF Form 346 (Military Drivers License) and be Hazardous-Cargo trained. Commanders will ensure that all Department of Transportation (DOT) regulations are met for transporting A&E as hazardous materials on public highways.

b. Commanders will ensure that adequate security measures are taken to protect A&E from being moved by the unit off FLW. A&E items will not be left unattended or unsecured at any time.

(1) Category I and II A&E will be placed in the custody of a commissioned officer, warrant officer, noncommissioned officer (E-5 and above or DOD civilian, GS05/WG05 or higher). Category I and II *will* be provided an armed guard at all times.

(2) Category III and IV A&E will be under the continuous positive control of a designated, responsible individual at all times.

(3) Vehicles transporting explosives to the training areas off the installation will not stop for any reason, other than traffic warning signs and for military/civilian police or emergency vehicles. Any other vehicles attempting to stop A&E carrying vehicles will be disregarded.

Chapter 10
AMMUNITION AND EXPLOSIVE SAFETY
AND FIRE PREVENTION

10-1. Responsibility. Safety and fire prevention is the responsibility of all personnel involved with the handling of ammunition and explosives.

10-2. Safety Precautions. The following is a list of safety precautions to be followed by all personnel involved in the handling of ammunition and explosives.

a. Personnel involved with ammunition during training, will be given a briefing before and after the training, in reference to their responsibility for the security and accountability of ammunition. This briefing is annotated on DA Form 5515 (Training Ammunition Control Document) (see DA Pam 710-2-1, for further instruction).

b. Personnel handling A&E will not tamper with or remove safety devices. Personnel will not assemble or disassemble components of ammunition, such as fuzes or primers, except by authority of the Manager, ALS, and under the direction of properly trained and qualified supervisors.

c. Under no circumstances will action be taken to render live ammunition, explosives or components thereof inert for training and or display purposes.

d. Each unit commander will conduct frequent inspections to ensure that members of his command do not have A&E in their personal possession, and will instruct them that such practice is unauthorized. Amnesty briefings and procedures will be conducted quarterly.

e. Possession of A&E by military and civilian personnel will only be when it is required for the performance of military duty.

f. Ammunition will not be issued to individuals except for guard or training purposes.

g. Individuals discovering unauthorized A&E will report to their commanding officer immediately.

(1) The commander will post guards near the location to prevent tampering and handling and will then contact the ALS or local EOD.

(2) The commander will also notify the Military Police if any amount of live ammunition or other type A&E listed in AR 190-11, paragraph 8-2, are found.

h. Only approved military A&E will be used in training. The use of non-standard items of A&E is prohibited in troop training except for those items listed in appropriate Department of the Army Manuals or those items specifically authorized by major command (MACOM). Ammunition may be used for approved training events or for operational missions only. All other uses must be approved by HQ TRADOC.

i. Personnel will clean all mud and grit from their shoes before entering a magazine, storage building, or vehicle which contains A&E.

j. A&E will not be exposed to moisture, dampness or the direct rays of the sun. If it is absolutely necessary to leave A&E temporarily exposed on vehicles, they will be covered with a flameproof tarpaulin or placed so that there is free circulation of air through the entire stock.

k. Prior to the beginning of any period of instruction involving the use of blank ammunition, personnel concerned will be

made aware of the damage to weapons and serious injury which can result either when component parts of the ammunition (notably the powder charges) are tampered with or when an attempt is made to use blank ammunition to propel foreign matter from the muzzle of the weapon.

l. Prior to any operation involving the use of blank ammunition all containers and their contents will be inspected for verification of contents. All operations involving blank ammunition conducted after hours of darkness will be thoroughly inspected prior to darkness.

10-3. Fire Precautions. The prevention of fire is the duty of all personnel. Personnel involved in handling of A&E will study the causes of fire, safety precautions for fire prevention, and action to be taken for protection. Some precautions are -

a. Smoking or flame producing items will not be allowed in locations closer than 50 feet from storage sites containing A&E or other hazardous materials.

(1) Suitable water or sand-filled receptacles will be provided at designated smoking locations.

(2) At least one Class 1A fire extinguisher will be located at each designated smoking area.

b. Matches or other flame-producing devices will not be permitted in any magazine, ammunition storage building, or explosive area. Smoking in vehicles carrying ammunition or explosives is strictly prohibited. Firearms are not allowed inside the ammunition storage area, except for personnel on official business, which may require firearms.

c. All dry vegetation, such as grass, leaves, and dry underbrush will be removed from a 50-foot area immediately surrounding a temporary ammunition or explosive storage site.

d. Packing material and used components will not be allowed to accumulate at storage sites.

e. In case of fire, personnel in charge of A&E will give the alarm in a manner that will allow corrective actions to begin instantly. Should a fire occur in a closed building, no attempt will be made to enter the building, due to the danger of possible explosion.

Chapter 11
ACCIDENTS, MALFUNCTIONS, AND DUDS

11-1. Accidents and Malfunctions. Accidents and malfunctions involving ammunition and explosives must be investigated immediately to ensure that appropriate suspension/modification actions are taken to prevent further incident. Unit commanders and their representatives who may become involved in the follow-up actions necessary for reporting incidents of this nature must understand the importance of preserving the scene for the investigation and providing appropriate information for the final determination of cause. For environmental compliance while handling military munitions see appendix L.

11-2. Guidance. The guidance set forth in this chapter applies to all TRADOC and FORSCOM activities, directorates, and commands of the United States Army Maneuver Support Center (MANSCEN) and Fort Leonard Wood and all Reserve Components and ROTC activities in the Fort Leonard Wood area of support. For waste munitions, range clearance, removal of duds, or expendable smoke pots, smoke grenades, or MDIs from ranges, and disposal procedures, refer to appendix L (Management of Waste Munitions Standing Operating Procedures (SOP)).

11-3. Definitions.

a. Accident - Any unforeseen or unavoidable incident involving the transportation, storage, handling and training with ammunition or explosives which results in personnel injury or equipment damage.

b. Malfunction - Failure of ammunition to function as expected when fired, launched, or when explosive components function during a nonfunctional test. Malfunctions do not include problems that result from negligence, malpractice, or degenerative situations such as vehicle accidents or fires. Ammunition/explosive malfunctions fall into three classes:

(1) Class A malfunctions include the following:

(a) Malfunction which resulted in death or major injury.

(b) Premature detonation of warhead before minimum safe arming distance is reached.

(c) Launch and/or flight rocket motor ruptures during launch or firing sequence.

(d) Missiles, which turn around and come back toward the firing point.

(e) Missiles which impact the ground, stop, and become propulsive again; i.e., flight motor ignites after excessive delay.

(f) Off range impacts of the missile or fragments.

(g) Malfunction which had appreciable probability of causing death, major injury, or adverse political implications.

(2) Class B malfunctions include the following:

(a) Flight motor rupture after launch (downrange incident).

(b) Malfunction, which resulted in damage to major equipment that, cannot be repaired at the unit level of maintenance.

(c) Malfunction, which resulted in a suspension (local or worldwide) that significantly, impacted readiness or training.

(d) Rocket launch from launch pod/container, which resulted in major damage to launcher equipment which, could not be repaired at the unit level.

(3) Class C malfunctions include the following:

(a) Missile ejects from launch tube; flight motor does not function.

(b) Misfire; missile/rocket does not exit launch tube. (NOTE: Units should evaluate misfires IAW FM 5-250.)

(c) Missile veers during flight but does not leave range surface danger zone.

(d) Dud; i.e., warhead does not function.

(e) Missile guidance gyro spin up with no launch.

11-4. Accidents - The following actions will be taken on all accidents involving the transportation, storage, and handling of/and training with ammunition and explosives:

a. The senior individual at the scene will -

(1) Call an immediate cease-fire at all firing points on the range, direct on hand medical personnel into action as necessary, and remove all remaining personnel from the affected range or firing point.

(2) Notify Range Support Company conveying the nature and elements of the situation to include any emergency response unit requirements.

(3) Take necessary action to prevent tampering with the materiel involved. Unless the danger of further injury exists, ensure all items involved are left in place, in the original state, pending arrival of the ammunition investigators. If further danger of injury exists, remove personnel from the area not the material. When fire is present at the site inform the fire department of the types of ammunition and/or explosive involved.

(4) Range Support Company will -

(a) Notify the appropriate emergency response units (EOD, MANSCEN Safety Office, law enforcement agency, ambulance and fire department, etc.), and the chain of command or duty officer as soon as possible. No one will tamper with or remove any material until the Ammunition Accident/Malfunction Investigation team leader releases the material for investigation. When fire is present at the site, inform the Fire Department of the types of ammunition and/or explosives involved. References to malfunctions involving ammunition and explosives are AR 75-1 and TM 9-1300-206.

(b) Make all other necessary adjustments in range operations as dictated by the situation.

(c) Notify the Investigation Team Leader, OIC, Range Control.

b. The investigation Team Leader will notify the members of the ammunition investigation team. Team members are OIC, Range Control, QASAS; and the US Army Materiel Command, Logistics Assistance Office (AMC LAO) weapons representative, or their designated representatives. Coordinate rendezvous at accident site.

11-5. Malfunctions (Classes A and B) - If any type of ammunition or component thereof has malfunctioned in such a way that it could be classified as either a Class A or B malfunction, the following responsibilities apply:

a. Senior individual on the scene.

(1) Call an immediate cease-fire at all firing points on the range, and remove all personnel from the affected range or firing point leaving the weapon or launcher to be inspected by the investigation team. Record the time and names of personnel involved.

(2) Contact Range Support Company conveying the nature and elements of the situation to include any emergency response unit requirements.

(3) Take action to prevent any tampering with the items involved in the malfunction. Leave all items in original state pending arrival of the ammunition investigation team.

b. Range Support Company.

(1) Notify appropriate emergency response organizations as dictated by the situation.

(2) Notify the chain of command/duty officer as appropriate and the Ammunition/Explosive Accident Investigation Team Chief (OIC, Range Control).

(3) Make all other necessary adjustments in range operations as dictated by the situation.

c. Ammunition/Explosives Investigation Team Chief - Notify appropriate team members with specifics of the situation and coordinate rendezvous at incident site.

d. Class C malfunctions will be reported by quantity/lot through Range Support Company to the QASAS representative at the ALS.

(1) Senior individual on range will notify Range Support Company conveying the lot number of the ammunition of all misfires or duds.

(2) Range Support Company will relay the lot number and quantities of misfires or duds to the QASAS at the ALS.

(3) QASAS will maintain a record of reported misfires or duds by lot number. When the total quantity of misfires or duds recorded exceeds the allowable limit indicated in AR 75-1, Table B-1, the QASAS will report that ammunition lot to the Industrial Operations Command (IOC) for possible suspension and make the appropriate reports to TRADOC and above.

11-6. Duds - Ammunition that has not been armed as intended or failed to explode after being armed.

a. Duds discovered on post.

(1) Unit commanders are responsible for advising sponsors to instruct their dependents not to touch or tamper in any way with anything they may find that looks like ammunition.

(2) Evacuation of the area around a dud.

(3) Reporting all duds discovered through the chain of command to Range Support Company, DOL ALS, and the local EOD.

(4) Assuring the exact location of the dud(s) is noted and the dud is flagged for easy identification.

(5) Assuring all personnel are knowledgeable of the reporting system and proper safety precautions. Under no circumstances will duds be tampered with or touched.

b. Duds discovered on firing ranges.

(1) Senior individual is responsible for the following:

(a) Reporting all duds immediately to Range Support Company.

(b) Ensure that all duds are marked, and personnel are kept away from the area of the dud. Mark duds IAW FLW Reg 210-14.

(2) Range Support Company will -

(a) Notify EOD to render safe all duds IAW appendix L.

(b) Notify QASAS of the conditions, national stock number (NSN), Lot #, DODIC, and quantities each day that duds are encountered.

(c) Direct continuation of training as dictated by the situation.

c. Duds on grenade ranges.

(1) The senior individual present will -

(a) Halt training and call a cease-fire. The impact area will be 'OFF LIMITS' to all personnel except EOD.

(b) Notify Range Support Company, give NSN, Lot #, and DODIC.

(2) Range Support Company will -

(a) Immediately notify EOD.

(b) Notify QASAS of the conditions, NSN, Lot#, DODIC, and quantities each day that duds are encountered.

(c) Direct continuation of training as dictated by the situation.

(3) No policing of any ranges will be done until EOD has completed the destruction of all dud ammunition and authorized use of the training ranges.

d. Duds discovered off post *will* be reported as soon as possible to the nearest police station. Never touch or tamper with ammunition or components thereof found off the installation.

Chapter 12 SECURITY SCREENING PROGRAM

12-1. Security Screening. The procedures described herein will be used by contract personnel, commanders/directors to provide a record of an aggressive command-developed security screening program for personnel involved in the unaccompanied control, accountability or shipment of A&E.

12-2. Applicability.

a. The intent of this paragraph is not to hinder normal range firing. This paragraph does not apply to Range NCOs unless they are authorized to -

(1) Receive or turn-in A&E at the ALS.

(2) Sign DA Form 581.

(3) Issue or receive for reissue Category I - IV A&E.

b. For the purpose of this regulation, the term personnel will be defined to include enlisted, DOD civilian employees and DOD contractor personnel.

c. Personnel authorized unaccompanied access to Category I through IV A&E storage facilities.

d. Personnel authorized to receive, store or issue Category I through IV A&E at such storage facilities.

e. Personnel authorized to issue or control keys to A&E storage facilities in 4-2a and 4-2b above.

f. Personnel who are authorized to sign DA Form 581 at any level of command.

g. Personnel who are authorized to receive and turn-in category I through IV A&E at the ALS.

12-3. Procedures. Personnel involved in completing the medical, Civilian Personnel Advisory Center (CPAC), Military Personnel Office (MILPO), and local police checks will review the records for items shown in paragraph 12-4 below. The following checks will be accomplished for personnel requiring access to A&E, mentioned in paragraph 12-2 above.

a. Personal interview of the individual, conducted by his/her immediate unit commander/directorate division chief.

b. A check of the medical records for active duty military personnel.

c. A personnel records check (201 file or civilian personnel files).

d. A records check of the Provost Marshal's Office.

e. A records check of local civilian law enforcement agencies in the area of the person's residence will be conducted by the Military Police for active duty or civilian personnel (USAR units are responsible for their personnel).

f. A memorandum should be used by commanders and/or brigade/directorate physical security managers acting on behalf of their commanders when submitting local files checks.

12-4. Review. The unit commander/directorate division chief will review the completed records checks to make the determination as to the individual's access to A&E. Any of the following traits may be considered in denying access:

- a. Record of alcohol abuse.
- b. Record of unauthorized use, sale or possession of drugs or narcotics.
- c. Record of mental instability or disorder.
- d. Record of judicial or nonjudicial punishment.
- e. Pattern of behavioral actions which are reasonably indicative of a contemptuous attitude towards the law.
- f. Any other character traits, or a record of conduct, or adverse information, which in the unit commander's/directorate chief's judgment, would be prejudicial to the reliability or trustworthiness of the individual.

12-5. Police Checks. The following information is needed to complete a police check with civilian police departments. Failure to furnish the required information may result in the check not being completed, thus delaying the access to A&E. Commanders/directors are required to furnish the following information to the LEC on all military and civilian personnel who will have access to A&E:

- a. Full name of individual.
- b. Social security number (Privacy Act statement must be signed and dated by the requesting individual).
- c. Date of birth.
- d. Females-maiden/former married name (if applicable).
- e. Off-post address, to include the county.

NOTE: Personnel in the Personal Reliability Program (PRP) are exempt from the medical and personnel records checks.

12-6. Assignment of Duties.

- a. Upon completion of the command-developed security screening procedures and unit commander's/directors personal interview, an individual may be assigned duties involving A&E.
- b. The unit commander's/directorate's personal interview results should be in the form of a written comment, either approving or disapproving access to A&E.

12-7. Files. The completed checks, along with the unit commander's/director's interview results, will be maintained, in their entirety, at the company level, kept current at all times and are subject to inspection. These checks will be completed every 3 years. Command emphasis is required to ensure that

timely updates of these records are accomplished as changes occur.

12-8. Questions. Questions concerning any of the above may be directed to the Physical Security office, 573-596-1517/7619.

Appendix A REFERENCES AND FORMS

Section I. Required publications.

- a. AR 5-9 (Area Support Responsibilities). Cited in para 1-4p(4).
- b. AR 15-6 (Procedures for Investigating Officers and Boards of Officers). Cited in para 3-4e(4)(b).
- c. AR 75-1 (Malfunctions Involving Ammunition and Explosives). Cited in 11-5d(3).
- d. AR 190-11 (Physical Security of Arms, Ammunition and Explosives). Cited in paras 1-4o(2), 3-4e(4)(b), and 10-2g(2).
- e. AR 385-63 (Policies and Procedures for Firing Ammunition for Training, Target Practice, and Combat). Cited in para 1-4o(l).
- f. AR 385-64 (U.S. Army Explosives Safety Program). Cited in paras 1-4o(1) and 1-4q(2).
- g. AR 710-2 (Inventory Management Supply Policy Below The Wholesale Level). Cited in para 1-4o(3).
- h. CTA 50-909 (Field and Garrison Furnishings and Equipment). Cited in para 2-5b.
- i. DA Pam 710-2-1 (Using Unit Supply System (Manual Procedures)). Cited in paras 1-4o(3), 3-4e(4), 3-4e(4)(b), and 10-2a.
- j. FM 5-250 (Explosives and Demolitions). Cited in para 11-3e.
- k. SB 742-1 (Inspection of Supplies and Equipment Ammunition Surveillance Procedures). Cited in paras 1-4p(1) and 4-2c.
- l. TRADOC Reg 350-8 (Ammunition). Cited in paras 2-If and 2-1g.
- m. NGR 190-11 (Physical Security of Arms, Ammunition and Explosives). Cited in para 3-4e(4)(b).
- n. FLW Reg 210-14 (Ranges and Training Areas). Cited in para 11-6b(1)(b).

Section II. Related publications.

- a. AR 5-13 (Training Ammunition Management System).
- b. AR 11-2 (Management Control).
- c. AR 190-12 (Military Working Dog Program).
- d. AR 735-5 (Policies and Procedures for Property Accountability).
- e. AR 740-26 (Physical Inventory Control).
- f. DA Pam 190-12 (Military Working Dogs).
- g. DA Pam 350-38 (Standards in Weapons Training).

- h. DA Pam 385-64 (Ammunition and Explosive Safety Standards).
- i. DA Pam 710-2-2 (Supply Support Activity Supply System: Manual Procedures).
- j. FM 5-250 (Explosives and Demolitions).
- k. FM 4-30.13 (Ammunition Handbook).
- l. FM 9-15 (Explosive Ordnance Disposal Service and Unit Operations).
- m. TM 9-1300-214 (Military Explosives).
- n. TRADOC Reg 350-30 (Training and Certification Program for Personnel Working In Ammunition Operations).
- o. FLW Reg 350-8 (United States Army Engineer Center and Fort Leonard Wood TRADOC and FORSCOM Permanent Party/Unit Training Directive).

Section III. Referenced Forms.

- a. DA Form 581, Request for Issue and Turn-in of Ammunition.
- b. DA Form 581-1, Request for Issue and Turn-in of Ammunition Continuation Sheet.
- c. DA Form 1687, Notice of Delegation of Authority Receipt for Supplies.
- d. DA Form 2064, Document Register for Supply Actions.
- e. DA Form 3022-R, Army Depot Surveillance Record.
- f. DA Form 3151-R, Ammunition Stores Slip.
- g. DA Form 5203, DODIC Master/Lot Locator Record.
- h. DA Form 5515, Training Ammunition Control Document
- i. DA Form 5515-1, Training Ammunition Control Document Continuation Sheet.
- j. DA Form 5692-R, Ammunition Consumption Certificate.
- k. DA Form 5811-R, Certificate - Lost or Damaged Class 5 Ammunition Items.
- l. DD Form 626, Motor Vehicle Inspection (Transporting Hazardous Materials).
- m. DD Form 836, Special Instructions for Motor Vehicle Drivers.
- n. DD Form 1556, Request, Authorization, Agreement, Certificate of Training and Reimbursement.
- o. DD Form 1577-2, Unserviceable (Repairable) Tag – Materiel.
- p. FLW Form 924, Ammunition Inspection Certificate.
- q. FLW Form 1643, Explosives Transport Vehicle Checklist.

The following are ammunition account manager procedures. Account managers at units other than those listed below must contact DPTM Ammunition Section, Building 312, to determine applicable responsibilities:

B-1. Company ammunition managers will -

- a. Request ammunition through their higher headquarters so that the request arrives at DPTM NLT 5 working days prior to pick-up date. The day of pick-up will not be included as part of the 5 days.
- b. Request only ammunition that has been allocated to the unit account by their higher headquarters. Request will not exceed POI/STRAC requirements. Only amounts, which are part of a valid training plan, will be authorized.
- c. Have a memo of lateness attached to requests that do not arrive a minimum of 5 working days prior to the pick-up date. This must detail the reason the request was submitted late, the impact on training and mission if denied the ammunition, and the corrective action taken. Memos of lateness must be signed by the Battalion Commander (05) or above.
- d. Cross-train and have available alternate persons capable of managing and, when necessary, picking-up ammunition. Each person must meet the requirements found in FLW Reg 700-2 for Ammunition Handlers.
- e. Establish an Amnesty SOP, IAW, DA Pam 710-2-1, para 11-18, to be posted in the unit's Charge of Quarters book. This SOP should detail location of amnesty drop points, possible consequences of ammunition misuse, who the Amnesty Program applies to, the topics to brief, and how often briefings will be given on the Amnesty Program. Briefings will be given upon unit in-processing and quarterly, as a minimum. Attendance rosters will be maintained for 1 year on quarterly briefings and individually for each newly assigned soldier, until he/she has attended a quarterly briefing.
- f. Ensure a current DA Form 1687 is maintained at the ALS. Commanders will check this form quarterly to update as necessary (see Appendix C, figure C-6). Strikeovers, erasing or appearance that DA Form 1687 has been changed/alterd will not be accepted at the ALS.
- g. Pre-inspect vehicles prior to reporting for pick-up at ALS to ensure standards are met as outlined in FLW Reg 700-2.
- h. Control issued ammunition to prevent violations of safety and/or misuse. Ammunition for a training event, which is canceled, will be turned in rather than wasted.
- i. Ensure that dummy and inert ammunition is controlled properly and that sufficient quantities are available to accomplish training.
- j. Forecast ammunition IAW FLW Reg 700-2 and AR 5-13. Ensure that any increase to previously forecasted amounts are made a minimum of 3 months prior to the required date of pick-up to allow timely stockage in the ALS. Total forecasted amounts will not exceed authorized amounts. Monthly forecasts will begin with the month following its submission; i.e., the monthly forecast submitted in January will begin with the month of February and continue through the following January. Forecast will continue into the next fiscal year. It is assumed that ammunition needs will not vary a great deal each year.
- k. Correct deficiencies found during Ammunition Surveillance inspections of unit's CONEX and constantly maintain temporary storage containers.
- l. Quality check all paperwork prior to submission for approval.

m. Reconcile accounts upon completion of training events; do not wait until the last possible moment.

n. Conduct turn-ins to the ALS that meet the same high standards as the draws.

o. Become thoroughly familiar with the requirements listed in FLW Reg 700-2.

p. Coordinate any updates to POIs with DPTM. This is necessary to properly forecast ammunition.

q. Check to ensure that ammunition needs can be met by the ALS prior to the conduct of any event not found in POIs or the STRAC.

B-2. Battalion ammunition managers will -

a. Sub-allocate ammunition to subordinate units and ensure that they do not exceed their authorizations when requesting ammunition. Requests for additional amounts must be submitted through brigade for approval by DPTM. Such requests must be supported with justification. Do not presume that 100 percent of amounts listed in the POI and/or STRAC will be available, nor that requested additional ammunition will be automatically approved.

b. Quality check all ammunition-related paperwork submitted to ensure that, at a minimum, standards found in FLW Reg 700-2 and DA Pam 710-2-1 are met. Substandard requests will be returned to units through distribution, and may possibly cause corrected paperwork to fall short of the minimum time requirements.

c. Maintain and have available listed references in FLW Reg 700-2. Also become thoroughly familiar with their responsibilities and assist others at various levels accomplish theirs.

d. Ammunition in excess of amounts listed in POI/STRAC must be returned to brigade. Likewise, ammunition not being used nor projected for use will be returned to brigade for redistribution to other units or turn-ins to ALS.

e. Have signed by the battalion commander all valid memo of lateness. When the battalion commander is below the grade of O5, a copy of his/her assumption of command orders must be attached to the memo of lateness. Care should be taken to minimize the number of such memos, as excessive memos will indicate a lack of planning and ability to properly manage ammunition accounts. All requests that require memos of lateness must be hand carried by the unit until they arrive at the ALS.

f. Consolidate companies' forecasts, so that the battalions forecast is submitted IAW authorized amounts only. Additions to monthly amounts must be made a minimum of 3 months in advance to the pick-up date. At no time will forecasted amounts exceed those amounts authorized by DPTM. (Authorized amounts will rarely total those amounts found in POIs or STRAC.)

g. Inspect subordinate units to ensure dummy and inert ammunition is marked, stored, and accounted for properly.

h. Coordinate all ammo-related transactions through Brigade Ammunition Managers.

B-3. Brigade ammunition managers will -

a. Distribute ammunition to subordinate units, and monitor their expenditures. Under no circumstance, will they exceed their authorized amount.

b. Review requests for additional ammunition and forward only valid requests. Recommend redistribution of ammunition that is in excess of needed quantities.

c. Quality check paperwork prior to submission. Improper or substandard paperwork will cause delays, and will not be tolerated by ALS.

d. Monitor and have corrected, subordinate unit's forecast prior to submission to DPTM. Ensure that sums per month are not increased with less than 3 months advance stockage time. Also, ensure that the total of all months do not exceed their allocated amount for the fiscal year. Each forecast must include UIC, authorizing signature, and detailed justification when requesting increases.

e. Perform periodic inspections of subordinate units to ensure proper management of ammunition accounts.

f. Maintain a copy of each DA Form 581 submitted during the fiscal year and a current monthly forecast per each account.

g. Have on hand and become thoroughly familiar with required references listed in FLW Reg 700-2.

h. Investigate and take corrective measures for any improper use of ammunition; i.e., wasting ammunition to avoid live turn-in, requesting excessive amounts causing large live turn-ins, not using available ammunition causing diminished training effects, or using authorized ammunition for other than approved training.

i. Do not authorize nor forward requests that fail to meet the standards found in FLW Reg 700-2.

j. Ensure S-4s draw 500 rounds of blank 5.56 to support funeral details and necessary 10-gauge blanks to support any flag detail requirements. This ammunition will be hand receipted to subordinate units. Turn-in of residue and/or live ammunition will be accomplished upon completion of the brigade's commitment. Ammunition will not be used for detail practice.

B-4. Post ammunition managers will -

a. Post all forecasts for consolidation in computers received from units authorized the ammunition in the TAMIS system.

b. Prepare monthly WARS report NLT the 15th of each month. A copy will be given to the ALS.

c. Review all DA Form 581s to ensure the following:

(1) Amounts requested are within authorized amounts and correctly forecasted.

(2) Have been properly completed with correct training codes, UIC, authorizing signatures, DODICS, desired amounts, and remarks block filled in.

(3) Approving initials and/or stamps are present indicating proper routing.

(4) Submitted within the required 5 days prior to pick-up.

d. Forward and logout all DA Form 581s to the ALS.

e. Monitor subordinate unit accounts to ensure they do not exceed authorized quantities.

- f. Submit reports to both TRADOC and FORSCOM as outlined in AR 5-13 and TRADOC Reg 350-8.
- g. Check to ensure that all forecasted ammunition is authorized through the TAMIS system. Marines, National Guards, Reserves, ROTC, Navy, and other units not based on Fort Leonard Wood will have designated persons responsible for authorization.
- h. Request reports as required weekly, monthly, and annually.
- i. Correct all over/under authorization errors immediately.
- j. Review all requests for additional ammunition and forward those request that are justified.
- k. Submit all unused ammunition for turn-in when it cannot be redistributed to other units.
- l. Check periodically to ensure that new weapons systems and unusual training needs are forecasted and/or otherwise requested.
- m. Monitor the quality and frequency of memos of lateness. Units found to excessively submit requests, which require memos, will require special attention from their commanders to correct problem areas. Additional requirements may be placed on these units to rectify the problem.
- n. Maintain copies of ammo requests and turn-ins as per TRADOC Reg 350-8.
- o. Conduct inspections of unit ammunition management programs as part of OIP inspections or upon request of the unit.
- p. Log into the TAMIS system daily to check for messages from TRADOC or FORSCOM.
- q. Maintain required manuals or have them upon request.
- r. Forecast all ammunition for POI-driven training.
- s. Provide a statement of accounts to units at least monthly.
- t. Correct all errors found in weekly and monthly reports in a timely manner.
- u. Ensure the ALS stocks enough ammunition to support both training and operational needs for a 90-day period.
- v. Keep on file units' expenditures, turn-ins, forecasts, and other transactions for each fiscal year.

Appendix C
FIGURES/INSTRUCTIONS

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ATZT-TD-GA (Office Symbol)

(Date)

MEMORANDUM THRU:

Commander, 169th Engr Bn, ATTN: S3

Commander, 1st Engr Bde, ATTN: S3

FOR Director, DPTM, ATTN: ATZT-PTM-PS

SUBJECT: Annual Ammunition Forecast for FY 01

1. The following ammunition requirements are necessary to support training during FY 01 for Company A, 169th Engr Bn:

<u>DODIC</u>	<u>NOMENCLATURE</u>	<u>AMOUNT</u>	<u>REQUIREMENT</u>
A071	5.56mm Ball	50,792	50,292-Qual 127 Personnel
G878	Fuse HG Prac	300	300-Cdr's Training Requirement
G930	Grenage Smk HC	15	15-FTX

2. Point of contact for this request is SFC Smith, (573)596-1234.

WILLIAM R. BOYCE
 CPT, EN
 Commanding

Figure C-1. Example of Annual Ammunition Forecast.

TAMIS TRAINING AMMUNITION FORECAST REPORT													RCS: CSGLD-1941			
FOR USE OF THIS FORM, SEE DA PAM 710-2-1; THE PROPONENT AGENCY IS DCSLOG.													CREATION DATE:			
UIC:						THRU: SIGNATURE										
LOCATION:																
THRU: SIGNATURE						TO:										
DDIC	AUTH QTY	REMAIN QTY	ASP	1st MON <i>a</i>	2nd MON <i>b</i>	3rd MON <i>c</i>	4th MON <i>d</i>	5th MON <i>e</i>	6th MON <i>f</i>	7th MON <i>g</i>	8th MON <i>h</i>	9th MON <i>i</i>	10th MON <i>j</i>	11th MON <i>k</i>	12th MON <i>l</i>	
<i>m</i>	<i>n</i>	<i>o</i>	<i>P1</i>													
			<i>P2</i>													
			<i>P3</i>													
			<i>P4</i>													
			<i>P5</i>													
<i>m</i>	<i>n</i>	<i>o</i>	<i>P1</i>													
			<i>P2</i>													
			<i>P3</i>													
			<i>P4</i>													
			<i>P5</i>													
<i>m</i>	<i>n</i>	<i>o</i>	<i>P1</i>													
			<i>P2</i>													
			<i>P3</i>													
			<i>P4</i>													
			<i>P5</i>													
<i>m</i>	<i>n</i>	<i>o</i>	<i>P1</i>													
			<i>P2</i>													
			<i>P3</i>													
			<i>P4</i>													
			<i>P5</i>													

S A M P L E

Figure C-2. Sample of DA Form 5514-R with Instructions (Page 1 of 2).

Instructions for Completing DA Form 5514-R
TAMIS Training Ammunition Forecast Report

1. CREATION DATE: Date the report was created.
2. Unit Identification Code (UIC): Code for the account from which the ammunition will be drawn and name of the unit managing the account. For units in MACOMs other than TRADOC, this account code will be the same as the organization's UIC. TRADOC units will use account codes matching the training requirements as listed in appendix D.
3. LOCATION: Address of unit managing the account. Phone number should be included in addition to address.
4. THRU/SIGNATURE: Name and address of any intermediate offices responsible for approving requests and signature of approving authority.
5. TO: Name and address of office to which report must be forwarded.
6. Blocks a through l : Three-letter abbreviation for the month the column will represent.
7. Block m. DODIC for type of ammunition. These will be entered in alpha-numeric order.
8. Block n. Quantity authorized of the type ammunition in block m.
9. Block o. Quantity that remains unexpended of the type ammunition in block m.
10. Blocks P1 through P5: Designation of ALS from which ammunition is to be drawn. If all ammunition is to be drawn from the Fort Leonard Wood ALS, this column may be left blank. If all ammunition is to be drawn from the same ALS, only the P1 line will be used for each type of ammunition. If ammunition is to be drawn from more than one ALS, the same P1 through P5 will be used for additional ALSs. A note will be added to the DA Form 5514-R (TAMIS Training Ammunition Forecast Report) explaining which ALS corresponds with the P1 - P5 lines used

1. ISM		3. DOCUMENT NO.		4.		5. PAGE		6. DOCUMENT SERIAL NO.	
		W58CFD 9361-5001				1 of 1		AA581 2065876	
2. Turn In		8. DATE MATERIAL REQUIRED		10. PRIORITY		11. ALLOCATION PERIOD		12. DODACC	
		29 DEC 99						W58CFD	
7. SEND TO		13a. REQUESTED BY		13b. DATE		13c. SIGNATURE		14a. SIGNATURE	
ALS, DOL FT L. WOOD, MO 65473		NORMAN A. BROWN, LTC		27 DEC 99		<i>Norman A. Brown</i>		<i>Norman A. Brown</i>	
15. ITEM		16. DODIC		17. NSN		18. NOMENCLATURE		19. UR	
I. A071		1305-00-926-3930		EA		Cig 5.56mm Ball "LAST ITEM"		EA	
20. CITY REQUESTED/TURNED IN		21. TEC		22. ACTION CODE		23. DTI ISSUED/RECEIVED		24. LOT/SERIAL NO.	
		FTX		TNS					
25. CC		26. DATE		27. DATE		28. POSTED BY		29. RELATED DOCUMENT SERIAL NOS.	
28. REMARKS									
<p>"Quantities requested are within training authorization."</p> <p>"Training date are from _____ to _____"</p> <p>"This request will be used to train _____ soldiers of class _____ of for FORSCOM Units."</p> <p>"Ammunition will be expended _____"</p>									
30a. ISSUED BY		30b. DATE		31a. RECEIVED BY		31b. DATE		32. TAMIS CONTROL NO.	
30a. SIGNATURE		30b. DATE		31a. SIGNATURE		31b. DATE		32. TAMIS CONTROL NO.	

Figure C-3. Example of DA Form 581 - Regular Issue with Instructions (Page 1 of 2).

Instructions for Completing DA Form 581 - Regular Issue

Unit/Activities receiving ammunition for training will ensure DA Form 581 is prepared as follows:

Block 1. Check issue block.

Block 2. Leave blank.

Block 3. Enter unit document number.

Block 4. Leave blank.

Block 5. Enter total number of DA Form 581 and DA Form 581-1 with this document number.

Block 6. N/A.

Block 7. Enter Ammunition Logistics Section, Fort Leonard Wood, MO 65473-5000.

Block 8. Enter name, address and UIC of using unit.

Block 9. Request pick-up date. NOTE: Munitions not picked-up on requested pick-up date will be canceled unless coordinated in advance. Units change of pick-up date or cancel request requires a memorandum from the unit commander.

Block 10. Leave blank.

Block 11. Leave blank.

Block 12. Enter the using unit's DODAAC

Block 13a. Enter name of authorized requester as indicated by using unit's DA Form 1687.

Block 13b. Enter the date requested.

Block 13c. Enter signature of authorized requester as indicated by using unit's DA Form 1687.

Blocks 14a, 14b, and 14c. FOR USE BY THE DPTM AMMUNITION MANAGERS. NOTE: ARNG/USAR and ROTC units will have their state/regional ammunition managers complete these blocks.

Block 15. Enter item number.

Block 16. Enter Department of Defense Identification Code (DODIC) in alpha-numeric sequence.

Block 17. Enter national stock number (NSN).

Block 18. Enter nomenclature. Enter the words "Last item" after the last entry.

Block 19. Enter unit of issue.

Block 20. Enter quantity requested.

Block 21. Enter training event code (see Appendix D). NOTE: If more than one training event code is determined, an additional DA Form 581 will be prepared for each training event code determined.

Block 22-27. ALS USE ONLY.

Block 28. Enter the following statements as applicable:

- a. "quantities requested are within training authorization".
- b. "Training dates are from _____ to _____".
- c. "This request will be used to train _____ soldiers of class _____ for POI File No.# _____ or for FORSCOM Units.
- d. "Ammunition will be expended _____".
- e. "This request will be used to qualify _____ soldiers".

Block 29. ALS USE ONLY.

Blocks 30a, 30b and 30c. These blocks will be completed at time of use.

Block 32. ALS USE ONLY

Figure C-3. Example of DA Form 581- Regular Issue with Instructions (Page 2 of 2).

1. ISM		3. DOCUMENT NO.		5. PAGE		8. DOCUMENT SERIAL NO.							
Turn-in		W58CFD 9361-5002		1 OF 1		AA581 2065878							
9. DATE MATERIEL REQUIRED		10. PRIORITY		11. ALLOCATION PERIOD		12. DODACC							
29 DEC 99		LIVE		27 DEC 99		W58CFD							
13a. REQUESTED BY		13b. DATE		13c. SIGNATURE		14c. SIGNATURE							
NORMAN A. BROWN, LTC		27 DEC 99		<i>Norman A. Brown</i>		<i>Norman A. Brown</i>							
14a. APPROVED BY		14b. DATE		14c. SIGNATURE		14d. SIGNATURE							
15. ITEM	16. DODCC	17. NSN	18. NOMENCLATURE	19. UI	20. QTY REQUESTED/TURNED IN	21. TEC	22. ACTION CODE	23. QTY ISSUED/RECEIVED	24. LOT/SERIAL NO.	25. CC	26. POSTED BY	27. DATE	
1.	A071	1305-00-926-3930	Ctg 5.56mm Ball	EA	840	FTX	TAR						
			"LAST ITEM"										
28. REMARKS													
"The above items drawn on Unit Document Number W58CFD 9361-5001."													
"Residue turn-in is under Document Number 9361-5004."													
"Unserviceable ammunition turn-in is under Document Number 9361-5003."													
"As a result of shortage, DA Form 5811-R is attached."													
30a. ISSUED BY		30b. DATE		30c. RECEIVED BY		30d. DATE		30e. SIGNATURE		30f. DATE		30g. TAMIS CONTROL NO.	
DA FORM 581, AUG 89													

Figure C-4. Example of DA Form 581 - Live Turn-in with Instructions (Page 1 of 2).

Instructions for Completing DA Form 581 – Live Turn-In

Unit/Activities receiving ammunition for training will ensure DA Form 581 is prepared as follows:

Block 1. Leave blank.

Block 2. Check turn-in block.

Block 3. Enter unit document number.

Block 4. Enter "Live".

Block 5. Enter total number of DA Form 581 and DA Form 581-1 with this document number.

Block 6. N/A.

Block 7. Enter Ammunition Logistics Section, Fort Leonard Wood, MO 65473-5000.

Block 8. Enter name, address and UIC of using unit.

Block 9. Enter date of turn-in.

Block 10. Leave blank.

Block 11. Leave blank.

Block 12. Enter the using unit's DODAAC

Block 13a. Enter name of authorized requester as indicated by using unit's DA Form 1687.

Block 13b. Enter the date request is prepared.

Block 13c. Enter signature of authorized requester as indicated by using unit's DA Form 1687.

Blocks 14a, 14b, and 14c. Leave blank.

Block 15. Enter item number.

Block 16. Enter Department of Defense Identification Code (DODIC) in alpha-numeric sequence.

Block 17. Enter national stock number (NSN).

Block 18. Enter nomenclature. Enter the words "Last item" after the last entry.

Block 19. Enter unit of issue.

Block 20. Enter quantity being turned-in.

Block 21. Enter training event code (see Appendix D). NOTE: If more than one training event code is determined, an additional DA Form 581 will be prepared for each training event code determined.

Block 22-27. ALS USE ONLY.

Block 28. Enter the following statements as applicable:

- a. "The above items drawn on Unit Document Number _____ were properly expended."
- b. "Residue turn-in is under Document Number _____."
- c. "Unserviceable ammunition turn-in is under Document Number _____."
- d. "As a result of shortage, DA Form 5811-R when there is a shortage between the quantity of unexpended ammunition issue and ammunition returned to the ALS).

Block 29. List all supporting DA Form 581 and DA Form 581-1.

Blocks 30a, 30b, 30c, 31a, 31b, and 31c. Leave blank.

Block 32. ALS USE ONLY.

Figure C-4. Example of DA Form 581 - Live Turn-in with Instructions (Page 2 of 2).

ATZT-TD-GA (Office Symbol)

(Current Date)

MEMORANDUM THRU Cdr, 1st Engr Bde, ATTN: S3

FOR Dir, DPTM, ATTN: ATZT-PTM-PS

SUBJECT: Operational Ammunition Forecast

1. Request the following ammunition be made available to support destruction of condemned bunkers on Fort Leonard Wood ranges:

<u>DODIC</u>	<u>NOMENCLATURE</u>	<u>AMOUNT</u>
M591	DYNAMITE, M1 Military	1000

2. Ammunition is required for use on 12 January 2000.

FOR THE COMMANDER:

BILL N. BRIDGES
 MAJ, EN
 Operations Officer

Figure C-5. Example of Operational Ammunition Forecast.

NOTICE OF DELEGATION OF AUTHORITY - RECEIPT FOR SUPPLIES					DATE	
For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.					(1) 1 Dec 99	
AUTHORIZED REPRESENTATIVE(S)						
ORGANIZATION RECEIVING SUPPLIES (2) F-5-10				LOCATION (3) Fort Leonard Wood, MO 65473		
(4) LAST NAME-FIRST NAME-MIDDLE INITIAL		(5) SOCIAL SECURITY NUMBER	AUTHORITY (6) REQ REC		(7) SIGNATURE AND INITIALS	
ETS: INDEF KNOX, MARK E. CW2		NOT USED	YES	YES	Mark E. Knox MEK	
ETS: 27 Jun 2004 WILLIAMS, BILLY E. SGT		NOT USED	NO	YES	Billy E. Williams BEW	
-----NOT USED-----						
S A M P L E						
AUTHORIZATION BY RESPONSIBLE SUPPLY OFFICER OR ACCOUNTABLE OFFICER						
(8) THE UNDERSIGNED HEREBY <input checked="" type="checkbox"/> DELEGATES TO <input type="checkbox"/> WITHDRAWS FROM THE PERSON(S) LISTED ABOVE.						
THE AUTHORITY TO: Requisition or receipt of Class 5 supplies as indicated above.						
REMARKS (9)						
ALS/FLW, MO 65473, Authorized representatives listed above have passed security screening required by AR 190-11.						
I ASSUME FULL RESPONSIBILITY						
UNIT IDENTIFICATION CODE (10) WIMQ93				DODAAC/ACCOUNT NUMBER (11) W58CFD		
LAST NAME-FIRST NAME-MIDDLE INITIAL (12) BROWN, NORMAN A.		GRADE (13) LYC	TELEPHONE NUMBER (14) 573-596-7443	EXPIRATION DATE (15) 30 Nov 00	SIGNATURE (16) Norman A. Brown	

DA FORM 1687, JAN 82

EDITION OF DEC 57 IS OBSOLETE.

USAPPC V3.00

Complete instructions by block number on DA Form 1687 when used to request Class 5 Items.

- (1) Date - Enter the calendar date the form is prepared.
- (2) Organization Receiving Supplies - Enter the name of the unit and, if prepared by a hand or sub-hand receipt holder to delegate authority to request or receipt for ammunition items, the hand receipt number or name of the section involved.
- (3) Location - Enter the name of the installation on which the unit is located.
- Authorized Representative(s)
- (4) Last Name, First Name, Middle Initial - enter the name and rank of the person(s) authorized to request or receive ammunition. Also enter the person's rank and above the person's name, their ETS date. Ensure that the rank of the representative matches the scope of his/her responsibilities.
- (5) Social Security Number - Leave blank. Enter "not used" on next available line when all lines are not used.
- (6) REQ/REC - enter "YES" in this block for each person authorized to request supplies. Otherwise, enter "NO". Enter "YES" in this block for each person authorized to receipt for supplies. Otherwise, enter "NO."
- (7) Signature and Initials - Enter the signature and initials of authorized representatives.
- Authorized by Responsible Officer or Accountable Officer
- (8) Delegates To - Enter "X" in this box to show that the authorized representative is delegated to request/receipt for supplies. Enter the statement "Requisition or receipt of Class 5 supplies as indicated above."
- Withdraws From - Leave blank. Procedures for adding and deleting persons are not authorized for class 5 supplies.

- (9) Remarks - Enter the ALS or other activity to which form is being sent. Enter following statement: "Authorized representatives listed above have passed security screening required by AR 190-11."
- (10) Unit Identification Code - Enter UIC.
- (11) DODAAC/Account Number - Enter the unit DODAAC and any locally assigned account number.
- (12) Last Name - first name - middle initial - Enter name of responsible person.
- (13) Grade - Enter grade or rank of responsible person.
- (14) Telephone number - Enter telephone number of responsible person.
- (15) Expiration Date - Enter expiration date of the card, not to exceed 1 year. Review cards quarterly for accuracy.
- (16) Signature - Enter signature of responsible person.

NOTE: Upon any elements of data becoming outdated on this card, the entire card is no longer valid and will be replaced with a new card. All entries except the signature and initials will be either printed in ink or typewritten. The signature (payroll) and initials will be written in ink.

Strikeovers, erasing or appearance that DA Form 1687 has been changed/ altered will not be accepted at the ALS.

Figure C-6. Example of DA Form 1687.

Blocks 2 thru 7, 12 & 26 to be completed by unit operators.

MOTOR VEHICLE INSPECTION (TRANSPORTING HAZARDOUS MATERIALS)											
<i>(Read Instructions before completing this form.)</i>											
This form applies to all vehicles which must be marked in accordance with Title 49CFR.					1. GOVERNMENT BILL OF LADING/TRANSPORTATION CONTROL NUMBER or placarded in accordance with Title 49CFR.						
SECTION 1 - DOCUMENTATION			ORIGIN a.			DESTINATION b.					
2. CARRIER/GOVERNMENT ORGANIZATION											
3. DATE/TIME OF INSPECTION											
4. LOCATION OF INSPECTION Ft L. Wood, MO 65473											
5. OPERATOR(S) NAME(S)											
6. OPERATOR(S) LICENSE NUMBER(S) US GOV'T DATE EXPIRES											
7. MEDICAL EXAMINER'S CERTIFICATE*											
8. <i>(X if satisfactory at origin)</i>											
a. MILITARY HAZMAT ENDORSEMENT			d. ERG OR EQUIVALENT COMMERCIAL:			YES		NO		9. CVSA DECAL DISPLAYED ON COMMERCIAL EQUIPMENT*	
b. VALID LEASE*			e. DRIVER'S VEHICLE INSPECTION REPORT*			a. TRUCK/TRACTOR		YES		NO	
c. ROUTE PLAN			f. COPY OF 49 CFR PART 397			b. TRAILER		YES		NO	
SECTION II - MECHANICAL INSPECTION											
<i>All items shall be checked on empty equipment prior to loading. Items with an asterisk shall be checked on all incoming load equipment.</i>											
10. TYPE OF VEHICLE(S) GOVERNMENT					11. VEHICLE NUMBER(S)						
12. PART INSPECTED <i>(X as applicable)</i>		ORIGIN (1)		DESTINATION (2)		ORIGIN (1)		DESTINATION (2)		COMMENTS (3)	
		SAT		UNSAT		SAT		UNSAT			
a. SPARE ELECTRICAL FUSES						k. EXHAUST SYSTEM					
b. HORN OPERATIVE						l. BRAKE SYSTEM*					
c. STEERING SYSTEM						m. SUSPENSION					
d. WINDSHIELD/WIPERS						n. COUPLING DEVICES					
e. MIRRORS						o. CARGO SPACE					
f. WARNING EQUIPMENT						p. LANDING GEAR*					
g. FIRE EXTINGUISHER*						q. TIRES, WHEELS, RIMS					
h. ELECTRICAL WIRING						r. TAILGATE/DOORS*					
i. LIGHTS AND REFLECTORS						s. TARPULIN*					
j. FUEL SYSTEM*						t. OTHER <i>(Specify)</i>					
13. INSPECTION RESULTS <i>(X one)</i> ACCEPTED REJECTED											
<i>(If rejected give reason under "Remarks". Equipment will be approved if deficiencies are corrected prior to loading.)</i>											
14. SATELLITE MOTOR SURVEILLANCE SYSTEM: <i>(X one)</i> ACCEPTED REJECTED											
15. REMARKS											
16. INSPECTOR SIGNATURE <i>(Origin)</i>					17. INSPECTOR SIGNATURE <i>(Destination)</i>						
SECTION III - POST LOADING INSPECTION											
<i>This section applies to Commercial and Government/Military vehicles. All items will be checked prior to release of loaded equipment and shall be checked on all incoming loaded equipment.</i>											
		ORIGIN (1)		DESTINATION (2)		ORIGIN (1)		DESTINATION (2)		COMMENTS (3)	
		SAT		UNSAT		SAT		UNSAT			
18. LOADED IAW APPLICABLE SEGREGATION/COMPATIBILITY TABLE OF 49 CFR											
19. LOAD PROPERLY SECURED TO PREVENT MOVEMENT											
20. SEALS APPLIED TO CLOSED VEHICLE; TARPULIN APPLIED ON OPEN EQUIPMENT											
21. PROPER PLACARDS APPLIED											
22. SHIPPING PAPERS/DD FORM 836 FOR GOVERNMENT VEHICLE SHIPMENTS											
23. COPY OF DD FORM 626 FOR DRIVER											
24. SHIPPED UNDER DOT EXEMPTION 868											
25. INSPECTOR SIGNATURE <i>(Origin)</i>					26. DRIVER(S) SIGNATURE <i>(Origin)</i>						
27. INSPECTOR SIGNATURE <i>(Destination)</i>					28. DRIVER(S) SIGNATURE <i>(Destination)</i>						

Figure C-7. Sample of DD Form 626 with Instructions (Page 1 of 3).

INSTRUCTIONS	
<p>SECTION I - DOCUMENTATION</p> <p>General Instructions.</p> <p>All items (2 through 9) will be checked at origin prior to loading. Items with an asterisk (*) apply to commercial operators or equipment only. Only Items 2 through 7 are required to be checked at destination.</p> <p>Items 1 through 5. Self explanatory.</p> <p>Item 6. Enter operator's Commercial Driver's License (CDL) number or Military OF-346 License Number. CDL and OF-346 must have the HAZMAT and other appropriate endorsements IAW Part 383.</p> <p>Item 7. *Enter the expiration date listed on the Medical Examiner's Certificate.</p> <p>Item 8.a. APPLIES TO MILITARY OPERATOR ONLY. Military Hazardous Materials Certification. In accordance with applicable service regulations, ensure operator has been certified to transport hazardous materials.</p> <p style="padding-left: 20px;">b. *Valid Lease. Shipper will ensure a copy of the appropriate contract of lease is carried in all leased vehicles and is available for inspection. (Defense Transportation Regulation (DTR) requirement.)</p> <p style="padding-left: 20px;">c. Route Plan. Prior to loading any Hazard Class/Division 1.1, 1.2, or 1.3 (Explosives) for shipment, ensure that the operator possesses a written route plan in accordance with 49 CFR Part 397. Route Plan requirements for Hazard Class 7 (Radioactive) materials are found in 49CFR 397.101.</p> <p style="padding-left: 20px;">d. Emergency Response Guidebook (ERG) or Equivalent. Commercial operators must be in possession of an ERG or equivalent document. Shipper will provide applicable ERG page(s) to military operators.</p> <p style="padding-left: 20px;">e. *Driver's Vehicle Inspection Report. Review the operator's Vehicle Inspection Report. Ensure that there are no defects listed on the report that would affect the safe operation of the vehicle.</p> <p style="padding-left: 20px;">f. Copy of 49 CFR Part 397. Operators are required by regulation to have in their possession a copy of 49 CFR Part 397 (Hazardous Materials Driving and Parking Rules). If military operators do not possess this document, shipper may provide a copy to operator.</p> <p>Item 9. *Commercial Vehicle Safety Alliance (CVSA) Decal. Check to see if equipment has a current CVSA decal and mark applicable box. Vehicles without CVSA, check documentation of the last vehicle periodic inspection.</p> <p>SECTION II - MECHANICAL INSPECTION</p> <p>General Instructions.</p> <p>All items (12.a. through 12.t.) will be checked on all incoming empty equipment prior to loading. All UNSATISFACTORY conditions must be corrected prior to loading. Items with an asterisk (*) shall be checked on all incoming loaded equipment. Unsatisfactory conditions that would affect the safe off-loading of the equipment must be corrected prior to unloading.</p>	<p>SECTION II (Continued)</p> <p>Item 12.a. Spare Electrical Fuses. Check to ensure that at least one spare fuse for each type of installed fuse is carried on the vehicle as a spare or vehicle is equipped with an overload protection device (circuit breaker). (49CFR 393.95)</p> <p style="padding-left: 20px;">b. Horn Operative. Ensure that horn is securely mounted and of sufficient volume to serve purpose. (49CFR 393.81)</p> <p style="padding-left: 20px;">c. Steering System. The steering wheel shall be secure and must not have any spokes cracked through or missing. The steering column must be securely fastened. Universal joints shall not be worn, faulty or repaired by welding. The steering gear box shall not have loose or missing mounting bolts or cracks in the gear box mounting brackets. The pitman arm on the steering gear output shaft shall not be loose. Steering wheel shall turn freely through the limit of travel in both directions. All components of a power steering system must be in operating condition. No parts shall be loose or broken. Belts shall not be frayed, cracked or slipping. The power steering system shall not be leaking. (49 CFR 396 Appendix G)</p> <p style="padding-left: 20px;">d. Windshield/Wipers. Inspect to ensure that windshield is free from breaks, cracks or defects that would make operation of the vehicle unsafe; that the view of the driver is not obscured and that the windshield wipers are operational and wiper blades are in serviceable condition. Defroster must be operative when conditions require. (49 CFR 393.60, 393.78 and 393.79)</p> <p style="padding-left: 20px;">e. Mirrors. Every vehicle must be equipped with two rear vision mirrors located so as to reflect to the driver a view of the highway to the rear along both sides of the vehicle. Mirrors shall not be cracked or dirty. (49CFR 393.80)</p> <p style="padding-left: 20px;">f. Warning Equipment. Equipment must include three bidirectional emergency reflective triangles that conform to the requirements of FMVSS No. 125. FLAME PRODUCING DEVICES ARE PROHIBITED. (49 CFR 393.95)</p> <p style="padding-left: 20px;">g. Fire Extinguisher. Military vehicles must be equipped with two serviceable fire extinguishers with an Underwriters Laboratories rating of 10 BC or more. (Commercial motor vehicles must be equipped with one serviceable 10 BC Fire Extinguisher). Fire extinguisher(s) must be located so that it is readily accessible for use and securely mounted on the vehicle. The fire extinguisher must be designed, constructed and maintained to permit visual determination of whether it is fully charged. (49CFR 393.95)</p> <p style="padding-left: 20px;">h. Electrical Wiring: Electrical wiring must be clean and properly secured. Insulation must not be frayed, cracked or otherwise in poor condition. There shall be no uninsulated wires, improper splices or connections. Wires and electrical fixtures inside the cargo area must be protected from the lading. (49 CFR 393.28, 393.32, 393.33)</p>

Figure C-7. Sample of DD Form 626 with Instructions (Page 2 of 3).

INSTRUCTIONS	
<p>SECTION II (Continued)</p> <p>i. Lights/Reflectors. (Head, tail, turn signal, brake, clearance, marker and identification lights, Emergency Flashers). Inspect to see that all lighting devices and reflectors required are operable, of proper color and properly mounted. Ensure that lights and reflectors are not obscured by dirt or grease or have broken lenses. High/Low beam switch must be operative. Emergency Flashers must be operative on both the front and rear of vehicle. (49 CFR 393)</p> <p>j. Fuel System. Inspect fuel tank and lines to ensure that they are in serviceable condition, free from leaks, or evidence of leakage and securely mounted. Ensure that fuel tank filler cap is not missing. Examine cap for defective gasket or plugged vent. Inspect filler necks to see that they are in completely serviceable condition and not leaking at joints. (49CFR 393.83 and 396 Appendix G)</p> <p>k. Exhaust System. Exhaust system shall discharge to the atmosphere at a location to the rear of the cab or if the exhaust projects above the cab, at a location near the rear of the cab. Exhaust system shall not be leaking at a point forward of or directly below the driver compartment. No part of the exhaust system shall be located where it will burn, char or damage electrical wiring, fuel system or any other part of the vehicle. No part of the exhaust system shall be temporarily repaired with wrap or patches. (49 CFR 393.83 and 396 Appendix G)</p> <p>l. Brake System (to include hand brakes, parking brakes and Low Air Warning devices). Check to ensure that brakes are operational and properly adjusted. Check for audible air leaks around air brake components and air lines. Check for fluid leaks, cracked or damaged lines in hydraulic brakesystems. Ensure that parking brake is operational and properly adjusted. Low Air Warning devices must be operative. (49CFR 396 Appendix G)</p> <p>m. Suspension. Inspect for indications of misaligned, shifted or cracked springs, loosened shackles, missing bolts, spring hangers unsecured at frame and cracked or loose U-bolts. Inspect for any unsecured axle positioning parts, and sign of axle misalignment, broken torsion bar springs (if so equipped). (49 CFR 396 Appendix G)</p> <p>n. Coupling Devices (Inspect without uncoupling). Fifth Wheels: Inspect for unsecured mounting to frame or any missing or damaged parts. Inspect for any visible space between upper and lower fifth wheel plates. Ensure that the locking jaws are around the shank and not the head of the kingpin. Ensure that the release lever is seated properly and safety latch is engaged. Pintle Hook, Drawbar, Towbar Eye and Tongue and Safety Devices: Inspect for unsecured mounting, cracks, missing or ineffective fasteners (welded repairs to pintle hook is prohibited). Ensure safety devices (chains, hooks, cables) are in serviceable condition and properly attached. (49 CFT 396 Appendix G)</p> <p>o. Cargo Space. Inspect to ensure that cargo space is clean and free from exposed bolts, nuts, screws, nails or inwardly projecting parts that could damage the lading. Check floor to ensure it is tight and free from holes. Floor shall not be permeated with oil or other substances. (49CFR 177.815(e)(1) and 398.94)</p> <p>p. Landing Gear. Inspect to ensure that landing gear and assembly are in serviceable condition, correctly assembled, adequately lubricated and properly mounted.</p>	<p>SECTION II (Continued)</p> <p>q. Tires, Wheels and Rims: Inspect to ensure that tires are properly inflated. Flat or leaking tires are unacceptable. Inspect tires for cuts, bruises, breaks and blisters. Tires with cuts that extend into the cord body are unacceptable. Thread depth shall not be less than: 4/32 inches for tires on a steering axle of a power unit, and 2/32 inches for all other tires. Mixing bias and radial on the steering axle is prohibited. Inspect wheels and rims for cracks, unseated locking rings, broken, loose, damaged or missing lug nuts or elongated stud holes. (49 CFR 396 Appendix G)</p> <p>r. Tailgate/Doors. Inspect to see that all hinges are tight in body. Check for broken latches and safety chains. Doors must close securely. (49 CFR 177.835(h))</p> <p>s. Tarpaulin. If shipment is made on open equipment, ensure that lading is properly covered with fire and water resistant tarpaulin. (49 CFR 177.835(h))</p> <p>t. Other Unsatisfactory Condition. Note any other condition which would prohibit the vehicle from being loaded with hazardous materials.</p> <p>Item 14. For AA&E and other shipments requiring satellite surveillance, ensure that the Satellite Motor Surveillance System is operable. Shipper will instruct the driver to send a "test" emergency message to DTTS by having the driver activate the "emergency (panic) button". Shipper will contact DTTS at 1-800-826-0794 to verify that test message was received. Message must be received by DTTS for system to be considered operational.</p> <p>SECTION III - POST LOADING INSPECTION</p> <p>General Instructions.</p> <p>All items will be checked prior to the release of loaded equipment. Shipment will not be released until deficiencies are corrected. All items will be checked on incoming loaded equipment. Deficiencies will be reported in accordance with applicable service regulations.</p> <p>Item 18. Check to ensure shipment is loaded in accordance with 49 CFR Part 177.848 and the applicable Segregation or Compatibility Table of 49 CFR 177.848.</p> <p>Item 19. Check to ensure the load is secured from movement in accordance with applicable service outload drawings.</p> <p>Item 20. Check to ensure seal(s) have been applied to closed equipment; fire and water resistant tarpaulin applied on open equipment.</p> <p>Item 21. Check to ensure each transport vehicle has been properly placarded in accordance with 49CFR Part 172 Subpart F.</p> <p>Item 22. Check to ensure operator has been provided shipping papers that comply with 49 CFR Part 172 Subpart C. For shipments transported by Government vehicle, shipping paper will be DD Form 836.</p> <p>Item 23. Ensure operator(s) sign DD Form 626, are given a copy and understand the hazards associated with the shipment.</p> <p>Item 24. Applies to Commercial Shipments Only. If shipment is made under DOT Exemption 868, ensure that shipping papers are properly annotated and copy of Exemption 868 is with shipping papers.</p>

Figure C-7. Sample of DD Form 626 with Instructions (Page 3 of 3).

1. NOMENCLATURE: MODEL NO.: TCN NUMBER: SERIAL NO.: BUMPER NO.

**SHIPPING PAPER AND EMERGENCY RESPONSE INFORMATION FOR HAZARDOUS MATERIALS
TRANSPORTED BY GOVERNMENT VEHICLES**

THIS VEHICLE IS TRANSPORTING HAZARDOUS MATERIALS

2a. LOCATION AND DATE PREPARED: Fort Leonard Wood, MO 65473 31Dec99 b. DATE OF TRAVEL: 13 Jan 00 c. PAGE 1 OF 1 PAGES

TO BE COMPLETED BY THE UNIT OR SHIPPER T.O. OFFICE.

3. CARGO

PACKAGES		PROPER SHIPPING NAME <i>(Include RO, Technical Names, Additional Information per §172.203 as required.)</i>	HC	UN OR ID NO.	PG	NET TOTAL QTY.	TOTAL AMMO (NEW)
NUMBER	KIND						
a.	b.	c.	d.	e.	f.	g.	h.
4	BX	Charges, Demolition	1.1D	UN0048	II	200 lbs	304.61446KG
S A M P L E							

4. EMERGENCY NOTIFICATION. IN ALL CASES OF ACCIDENT, INCIDENT, BREAKDOWN OR FIRE, PROMPT NOTIFICATION MUST BE GIVEN TO:

a. SHIPPER'S ADDRESS AND TELEPHONE NO. (List 24-hour telephone numbers): b. CONSIGNEE

FOR SAFE HAVEN/REFUGE, IMMEDIATELY CALL APPROPRIATE MTMC AREA HOTLINE LISTED BELOW:
 EASTERN/WESTERN UNITED STATES: 1-800-524-0331
 NEW JERSEY ONLY: 1-800-642-1381

24-HOUR EMERGENCY ASSISTANCE TELEPHONE NUMBERS:

DOD NON-EXPLOSIVE HAZARDOUS MATERIALS ONLY: 1-800-851-8061 TO CALL FROM A SHIP: 804-279-3166 (COLLECT)	DOD HAZARD CLASS 1 (EXPLOSIVES) ONLY CALL ARMY OPERATIONS CENTER - COLLECT 703-697-0218/0219 ASK FOR THE WATCH OFFICER	NATIONAL RESPONSE CENTER (NRC) 1-800-424-8802 TO CALL FROM A SHIP: 202-267-2675 (COLLECT) DOD RADIOACTIVE MATERIAL ONLY - COLLECT: 309-782-3510 ASK FOR STAFF DUTY OFFICER
---	---	--

4c. COPY OF EMERGENCY GUIDE NUMBER(S) ATTACHED.

5. REMARKS

6. CERTIFICATION
 THIS IS TO CERTIFY THAT THE HEREIN NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

a. SIGNATURE OF SHIPPER CERTIFIER c. SIGNATURE(S) OF VEHICLE OPERATOR(S)

b. PRINT NAME OF SHIPPER CERTIFIER

DD FORM 836, SEP 1998 (EG)

PREVIOUS EDITION IS OBSOLETE.

Designed using Perform Pro, WHS/DIOR, Sep 98

Figure C-8. Example of DD Form 836.

AMMUNITION INSPECTION CERTIFICATE

I VERIFY THAT THE LOT NUMBER ON THE AMMUNITION IN THE CONTAINER AGREES WITH THE LOT PRINTED ON THE CONTAINER AND THAT ALL AMMUNITION COMPONENTS ARE PRESENT AND ARE PROPERLY REPACKED.

S A M P L E

Inspector _____

Rank _____

FLW Form 924 (1 Jun 90)

NOTE: Individual who signs this statement must be a SFC or above.

Figure C-9. Sample of FLW Form 924 with Requirement.

1. Issue		3. DOCUMENT NO.		5. PAGE		8. DOCUMENT SERIAL NO.	
2. Turn-in		X W58CFD 9361-5003		1 OF 1		AA581 2065878	
7. SENT TO		B. DATE MATERIAL REQUIRED		10. PRIORITY		11. ALLOCATION PERIOD	
ALS, DOL FT L. WOOD, MO 65473		29 DEC 99		UNSERV LIVE		W58CFD	
8. REQUEST FROM		13a. REQUESTED BY		13b. DATE		13c. SIGNATURE	
S4, 3D TNG BDE F CO, 5-10 IN FT L. WOOD, MO 65473 W1MQ93		NORMAN A. BROWN, LTC		27 DEC 99		Norman R. Brown	
15. ITEM		16. DODIC		17. NSN		18. NOMENCLATURE	
1. A071		1305-00-926-3930		EA		Ctg 5.56mm Ball "LAST ITEM"	
20. QTY REQUESTED/TURNED IN		21. TEC		22. ACTION CODE		23. CITY/STATE/ZIP RECEIVED	
10		FTX		TAR			
24. LOT/SERIAL NO.		25. CC		26. POSTED BY		27. DATE	
29. REMARKS		30a. ISSUED BY		30b. SIGNATURE		31a. RECEIVED BY	
"The above items drawn on Unit Document Number W58CFD 9361-5001." "Live turn-in is under Document Number 9361-5002." "Residue turn-in is under Document Number 9361-5004." "As a result of damage due to other than fair, wear, and tear, DA Form 5811-R is attached."							
29. RELATED DOCUMENT SERIAL NOS.		31b. DATE		31c. DATE		32. TAMIS CONTRA. NO.	
Issue AA581 2065876 Live AA581 2065877 Residue AA581 2065879							

SAMPLE

Figure C-10. Example of DA Form 581 – Unserviceable Turn-In with Instructions (Page 1 of 2).

Instructions for Completing DA Form 581 - Unserviceable Turn-In

Unit/Activities turning in "Unserviceable" ammunition will ensure DA Form 581 is prepared as follows:

Block 1. Leave blank.

Block 2. Check turn-in block.

Block 3. Enter unit document number.

Block 4. Enter Unserviceable Live.

Block 5. Enter total number of DA Form 581 and DA Form 581-1 with this document number.

Block 6. N/A

Block 7. Enter Ammunition Logistics Section, Fort Leonard Wood, MO 65473-5000

Block 8. Enter name, address and UIC of using unit.

Block 9. Enter date of turn-in.

Block 10. Leave blank.

Block 11. Leave blank.

Block 12. Enter the using unit's DODAAC.

Block 13a. Enter name of authorized requester as indicated by using unit's DA Form 1687.

Block 13b. Enter the date request prepared.

Block 13c. Enter signature of authorized requester as indicated by using unit's DA Form 1687.

Blocks 14a, 14b, and 14c. Leave Blank.

Block 15. Enter item number.

Block 16. Enter Department of Defense Identification Code (DODIC) in alpha-numeric sequence.

Block 17. Enter national stock number (NSN).

Block 18. Enter nomenclature. Enter the words "Last item" after the last entry.

Block 19. Enter unit of issue.

Block 20. Enter quantity being turned-in.

Block 21. Enter training event code from block 21 on original issue DA Form 581.

Blocks 22-27. ALS USE ONLY.

Block 28. Enter the following statements, if applicable:

- a. "The above items drawn on Unit Document Number _____".
- b. "Residue turn-in under document number _____".
- c. "As a result of damage due to other than fair, wear and tear, DA Form 5811-R is attached".

Block 29. List all supporting DA Form 581 and DA Form 581-1.

Blocks 30a, 30b and 30c. Leave blank.

Blocks 31a, 31b, and 31c. To be completed at the time of issue.

Block 32. ALS use only.

Figure C-10. Example of DA Form 581 – Unserviceable Turn-In with Instructions (Page 2 of 2).

1. Issue		3. DOCUMENT NO.		5. PAGE		5. DOCUMENT SERIAL NO.	
		W58CFD 9361-5004		1 OF 1		AA581 2065879	
2. Temp-In		9. DATE MATERIEL REQUIRED		10. PRIORITY		11. ALLOCATION PERIOD	
		29 DEC 99		RESIDUE		W58CFD	
7. SEND TO		8. REQUEST FROM		13a. DATE		13c. SIGNATURE	
ALS, DOL FT L. WOOD, MO 65473		S4, 3D TNG BDE F CO, 5-10 IN FT L. WOOD, MO 65473 WIMQ93		29 DEC 99		Norman A. Brown	
15. ITEM		16. ODDIC		17. NSN		18. NOMENCLATURE	
1. Y071				NSN		Case Ctg Fired	
2. ---				1305-00-121-0877		Clips	
3. ZAAA				8140-00-960-1699		Box, Metal	
4. ZAAB				8140-00-078-8969		Box, W/B	
5. Z071				NSN		Filler, Mag	
				---LAST ITEM---			
28. REMARKS		20. QTY REQUESTED/TURNED IN		21. TEC		22. ACTION CODE	
*The above items, drawn on Unit Document Number W58CFD 9361-5001, were properly expended. All other items drawn on that document number are being returned under Document Number(s) W58CFD 9361-5003. *Contents have been inspected. Contents do not contain any live rounds, unfired primers, explosives or any other dangerous materials (The individual who makes the inspection signs this statement (SFC or above)). *As a result of shortage, DA Form 5811-R is attached."		830		FTX		TTR	
		83		FTX		TTR	
		1		FTX		TTR	
		1		FTX		TTR	
		5		FTX		TTR	
30a. ISSUED BY		30b. DATE		31a. RECEIVED BY		31c. DATE	
30b. SIGNATURE				31b. SIGNATURE		32. TAMS CONTROL NO.	

Figure C-11. Example of DA Form 581 – Residue Turn-In with Instructions (Page 1 of 2).

Instructions for Completing DA Form 581 - Residue Turn-In

Unit/Activities turning in ammunition "RESIDUE" will ensure DA Form 581 is prepared as follows:

Block 1. Leave blank.

Block 2. Check turn-in block.

Block 3. Enter unit document number.

Block 4. Enter residue.

Block 5. Enter total number of DA Form 581 and DA Form 581-1 with this document number.

Block 6. N/A

Block 7. Enter Ammunition Logistics Section, Fort Leonard Wood, MO 65473-5000

Block 8. Enter name, address and UIC of using unit.

Block 9. Enter date of residue turn-in.

Block 10. Leave blank.

Block 11. Leave blank.

Block 12. Enter the using unit's DODAAC

Block 13a. Enter name of authorized requester as indicated by using unit's DA Form 1687.

Block 13b. Enter the date request prepared.

Block 13c. Enter signature of authorized requester as indicated by using unit's DA Form 1687.

Blocks 14a, 14b, and 14c. Leave Blank.

Block 15. Enter item number.

Block 16. Enter Department of Defense Identification Code (DODIC) in alpha-numeric sequence.

Block 17. Enter national stock number (NSN).

Block 18. Enter nomenclature. Enter the words " Last item " after the last entry.

Block 19. Enter unit of issue.

Block 20. Enter quantity being turned-in.

Block 21. Enter training event code from block 21 on original issue DA Form 581.

Block 22-27. ALS USE ONLY.

Block 28. Enter the following statements, if applicable:

a. "The above items drawn on Unit Document Number _____ were properly expended. All other items drawn on that document number are being returned under document number(s) _____."

b. " Contents have been inspected. Contents do not contain any live rounds, unfired primers, explosives, or other dangerous material."
 _____(The individual who makes the inspection signs the statement, SFC or above).

c. " As a result of shortages, DA Form 5811-R is attached." (Enter this statement and attach completed DA Form 5811-R for any residue shortages that exceed the allowable losses specified in this regulation.)

Block 29. List all supporting DA Form 581 and DA Form 581-1.

Blocks 30a, 30b and 30c. Leave blank.

Blocks 31a, 31b, and 31c. Leave blank.

Block 32. ALS use only.

CERTIFICATE - LOST OR DAMAGED CLASS 5 AMMUNITION ITEMS

For use of this form, see DA PAM 710-2-1; the proponent agency is DCSLOG

PART I - CERTIFICATION

I certify that the item(s) described in blocks 1-5 below were as stated. Circumstances of the loss or damage are accurately described below.

1. STOCK NO.	2. DESCRIPTION	3. QUANTITY	4. ITEM WAS (Check)		5. DAMAGED BY NEGLIGENCE? (Check)	
			a. LOST	b. DAMAGED	a. YES	b. NO

6. CIRCUMSTANCES OF LOSS OR DAMAGE

S A M P L E

7a. SIGNATURE	7b. DATE
---------------	----------

PART II - ACTION

8. I have reviewed the evidence pertaining to the loss or damage as stated. I agree that the loss or damage to the class 5 item */s/* was was not do not agree due to negligence, willful misconduct, or deliberate unauthorized use. The following actions shall be taken.

	CHECK ALL THAT APPLY
9. No further action is required.	<input type="checkbox"/>
10. An administrative adjustment shall be made in the property book for the class 5 item <i>/s/</i> that were not lost through negligence, willful misconduct, or deliberate unauthorized use.	<input type="checkbox"/>
11. The damaged class 5 item <i>/s/</i> shall be repaired as fair wear and tear as the damage was not caused by negligence, willful misconduct, or deliberate unauthorized use.	<input type="checkbox"/>
12. The circumstances surrounding the loss or damage warrant the processing of a formal Report or Survey that will be initiated immediately by the responsible property officer.	<input type="checkbox"/>

13a. SIGNATURE	13b. TITLE	13c. DATE
----------------	------------	-----------

Figure C-13. Sample of DA Form 5811-R with Instructions (Page 1 of 2).

Instructions for Completing DA Form 5811-R
Used for Shortages or Damaged Munitions

PART 1. Blocks 1 thru 5, described in detail and quantity of items lost or damaged.

Block 6. Circumstances surrounding the loss or damage will be described.

Block 7. Organizational commander will sign and date.

PART II. Blocks 8-12. First lieutenant colonel in the chain of command will review the circumstances surrounding the loss or damage and determine the appropriate action to be taken because of the loss or damage to government property.

NOTE: Completed DA Form 5811-R will accompany turn-in documents to the ALS. When a shortage exists, this document is required to complete reconciliation with the ALS.

Figure C-13. Sample of DA Form 5811-R with Instructions (Page 2 of 2).

TRAINING AMMUNITION CONTROL DOCUMENT		1. DOCUMENT NO.		2. PAGE OF		3. DOCUMENT SERIAL NO.								
For use of this form, see AR 710-2, the proponent agency is DCSLOG						AA5515 760258								
SECTION A				SECTION B										
4. FROM	5. TO	6. DATE ISSUED		23. FROM	24. TO	25. DATE ISSUED								
		7. DATE TURNED IN				26. DATE TURNED IN								
8. ITEM	9. DODIC/INVENTURE	10. LOT/SERIAL NO.	11. QTY. ISSUED	12. QTY. RESIDUE REQUIRED	13. QTY. LIVE TURNED-IN	14. QTY. LIVE TURNED-IN	15. QTY. RESIDUE REQUIRED	16. QTY. ISSUED	17. QTY. RESIDUE REQUIRED	18. QTY. LIVE TURNED-IN	19. QTY. RESIDUE REQUIRED	20. QTY. ISSUED	21. QTY. RESIDUE REQUIRED	22. QTY. LIVE TURNED-IN
SAMPLE														
15. ISSUED BY	16. RECEIVED BY	31. ISSUED BY	32. RECEIVED BY											
17. TURNED-IN BY	18. RECEIVED BY	33. TURNED-IN BY	34. RECEIVED BY											
19a. BRIEFED BY	19b. DATE	Before issue, soldiers told to return all A&E and residue upon request. Failure to do so punishable under UCMJ.		35a. BRIEFED BY	35b. DATE									
20a. BRIEFED BY	20b. DATE	Upon turn-in request, soldiers told to return all A&E and residue upon request. Failure to do so punishable under UCMJ.		36a. BRIEFED BY	36b. DATE									
21a. VERIFIED BY	21b. DATE	All issued ammunition was account for - either expended or turned-in.		37a. VERIFIED BY	37b. DATE									
22a. INSPECTED BY	22b. DATE	The above residue items are inert and have been 100 percent inspected and contain no live A&E.		38a. INSPECTED BY	38b. DATE									
39. REMARKS														

EDITION OF APR 86 IS OBSOLETE

DA FORM 5515, AUG 89

Figure C-16. Sample of DA Form 5515.

DEMOLITION RECONNAISSANCE RECORD	
Place additional comments in the appropriate blocks.	
15. EQUIPMENT AND TRANSPORT REQUIRED <i>(Continued)</i>	
17. TIME, LABOR, AND EQUIPMENT REQUIRED FOR BYPASS <i>(Continued)</i>	
18. REMARKS <i>(Continued)</i>	S A M P L E
19. ADDITIONAL COMMENTS <i>(Specify block)</i>	

PAGE 2, DA Form 2203-R, JUN 98 Edition of May 92 is obsolete.

Figure C-17. Sample of DA Form 2203-R (Page 2 of 4).

DEMOLITION RECONNAISSANCE RECORD	
Place additional comments in the appropriate blocks.	
20. GENERAL DESCRIPTION SKETCH <i>(Attach additional sketches if required)</i>	
21. NATURE OF PROPOSED DEMOLITION SKETCH <i>(Attach additional sketches if required)</i>	S A M P L E

PAGE 3, DA Form 2203-R, JUN 98 Edition of May 92 is obsolete.

Figure C-17. Sample of DA Form 2203-R (Page 3 of 4).

DEMOLITION RECONNAISSANCE RECORD	
Instructions for Completing the DA Form 2203-R	
<p>Use the following instructions to complete DA Form 2203-R. This form may be locally reproduced on 8 1/2- by 11-inch paper.</p>	
<p>1. Block 1 (FILE NO.). Leave blank unless a higher headquarters provides this number. Higher headquarters provides this number or enters it after you submit the form.</p>	
<p>2. Block 2 (DEMOLITION RECON REPORT NO.). Leave blank unless a higher headquarters provides this number. Higher headquarters provides this number or enters it after you submit the form. Company SOP may specify the procedures for determining this number.</p>	
<p>3. Block 3 (DATE). Enter the date the reconnaissance was performed.</p>	
<p>4. Block 4 (TIME). Enter the time the reconnaissance party arrived at the target site (local or Zulu time).</p>	
<p>5. Block 5 (RECON ORDERED BY). Enter the command authority authorizing the reconnaissance action.</p>	
<p>6. Block 6 (PARTY LEADER). Enter the name of the NCOIC or OIC of the reconnaissance party who was physically at the site when the reconnaissance was performed.</p>	
<p>7. Block 7 (MAP NAME, SCALE, SHEET NO., and SERIES NO.). Obtain this information from a map of the reconnaissance area and enter the information in this block.</p>	
<p>8. Block 8 (TARGET AND LOCATION). Enter a brief description of the target and the distance and direction from an identifiable landmark (railroad bridge, crossroads, hilltop, and so forth). For example, "Target is 275 degrees, 300 meters from the railroad bridge, 2 miles east of Hanesville, on Route 2."</p>	
<p>9. Block 9 (TIME OBSERVED). Enter the time you last saw the target as you departed the site.</p>	
<p>10. Block 10 (COORDINATES). Enter the complete 8-digit map coordinates of the target.</p>	
<p>11. Block 11 (GENERAL DESCRIPTION (Use block 20 for sketches.)). When applicable, include the type of construction, width of the roadway, number of lanes or tracks, type of pavement, number of spans, condition of spans or entire bridge, and bridge categorization and classification. For example, "Prestressed-concrete T-beam bridge, four simple spans supported by six concrete columns, two lanes; total bridge length is 140 feet; roadway width is 30 feet; overall bridge width is 36 feet; height is 16 feet; Class 60; very good condition."</p>	
<p>12. Block 12 (NATURE OF PROPOSED DEMOLITION (Use block 21 for sketches.)). State the expected amount of destruction and the priority for placing charges, if feasible. Provide a sketch showing the number and type of charges to use (tamped or untamped), where the charges should be placed, and the type of firing system required.</p>	
<p>13. Block 13 (UNUSUAL FEATURES OF SITE). Include any special features of the target or site that might affect the method of demolition (high-tension lines, radar installation, underwater blasting, and so forth). Give any details that may affect the security of the target and the demolition work party.</p>	
<p>14. Block 14 (MATERIAL REQUIRED). Indicate the types, quantities, caps, detonators, and so forth proposed for the demolition.</p>	
<p>15. Block 15 (EQUIPMENT AND TRANSPORT REQUIRED). Specify the amount and type of transportation required (for example, two 5-ton dump trucks, one ram set with 50 cartridges, two post-hole diggers, two demolition sets, 10 pounds of 100 milla, twelve 8-foot 2 by 4s). Comments may be continued in Block 18 on page 2 of the form.</p>	
<p>16. Block 16 (PERSONNEL AND TIME REQUIRED FOR). Complete subsections a and b, indicating the number of personnel and amount of time necessary for placing the demolitions. The distances between the firing points and firing systems will be a consideration for determining the amount of time necessary to arm and fire the explosives.</p>	
<p>17. Block 17 (TIME, LABOR, AND EQUIPMENT REQUIRED FOR BYPASS (Specify location and method.)). Specify the equipment necessary to clear the site after demolition and the available bypasses that allow units to bypass the site. Comments may be continued in Block 18 on page 2 of the form.</p>	
<p>18. Block 18 (REMARKS). Include any appropriate remarks that are not covered in blocks 1 through 17.</p>	
<p>19. Block 19 (ADDITIONAL COMMENTS). Use this block as a continuation for blocks 1 through 18. Identify the block being continued.</p>	
<p>20. Block 20 (GENERAL DESCRIPTION SKETCH). The sketch should include--</p> <ul style="list-style-type: none"> • The avenues of approach to the target and possible bypasses in the vicinity of the target. Indicate route numbers and the direction of cities or towns. • Rivers or streams including name, direction of flow, and velocity in meters per second. • Terrain features, including observation points, cover and concealment, swampy areas, deep valleys, and so forth. • A compass arrow indicating north (indicate grid or magnetic). • Dimensions of the proposed target. • Number and length of bridge spans. • Height of the bridge from the ground or water. 	
<p>21. Block 21 (NATURE OF PROPOSED DEMOLITION SKETCH). This sketch should include--</p> <ul style="list-style-type: none"> • Dimensions of members to be cut. • Placement of charges. • Charge calculations. Use either the formula or table method, but show your work. • Priming of charges. • Branch lines. • Ring mains. • Firing systems. • Firing points. 	

PAGE 4, DA Form 2203-R, JUN 98 Edition of May 92 is obsolete.

Figure C-17. Sample of DA Form 2203-R (Page 4 of 4).

Appendix D
UNIT IDENTIFICATION CODES (UIC)

<u>USING UNITS</u>	<u>UIC</u>
5 TH ENGR BN (HHC, A,B,C,D Company)	WAZWAA
EOD	WB67AA
463D MP CO	WC32AA
HQ, MPA/LEC	W0VL39
SRT	W0VLSS
CBT TNG COM (CTC)	W1MQ58
DRILL SGT SCHOOL (ENGR)	W0VL1A
HQ, 3D TNG BDE	W1MQAA
USA MEDDAC	W1MLAA
TSC, DPTM	W0VL15
HQ, 2-10 TH IN (A,B,C,D Company)	W1MQZC
USACIDC	W3LF48
HQ, 3-10 TH IN (A,B,C,D,E Company)	W1MQZD
1-48 TH IN (A,B,C,D,E Company)	W1M0ZE
2-10 TH IN	W1MQZC
3-10 TH IN	W1MQZD
1-48 TH IN	W1MQZE
HQ, 1 ST ENGR BDE	W4K7ZA
554 TH ENGR BN	W4K7ZB
B-577 TH (QUARRY)	W4K721
C-577 TH (RANGE 33)	W4K722
SAPPERS	W4K719
35 TH ENGR BN (A,B,C,D Company)	W4K7ZD
169 TH ENGR BN (A,B,C,D Company)	W4K7ZC
ANCOC (ENGR)	W0VL1B
BNCOC (ENGR)	W0VLIE
PLDC (ENGR)	W0VLIH
SRT PH I	W4K8AA
MPS (POLICE INST)	W4K8ZA
USMC (MP)	W4K8AF
PST	W4K8B0
ASAC	W4K8C0
CID WOBC	W4K8ZB
ANCOC (MP)	W4K830
BNCOC (MP)	W4K83A
SRT PH II	W4K8RD
OSUT (MP)	W4K8ZD
MPCCC	W4K802
MPOB	W4K803
OSUT (CHEM)	W4K904
OFFICER BASIC	W4K903
BNCOC (CHEM)	W4K930
ANCOC (CHEMICAL)	W4K93A
OFFICER ADV (CHEMICAL)	W4K902

Appendix E
TRAINING EVENT CODES

E-1. A complete list of Training Event Codes may be found in DA Pam 710-2-1, Appendix I.

E-2. Below is a list of Training Event Codes common to Fort Leonard Wood.

TYPE OF TRAINING

CODE

Advanced Individual Training	ATQ
Advanced Noncommissioned Officer Course	NCQ
Basic Combat Training	BTQ
Basic Noncommissioned Officer Course	BNQ
Drill Sergeant School	DSS
Individual Ready Reserve Mobilization	IRP
Officer Advanced Course	OAQ
Officer Basic Course	OBQ
One Station Unit Training	OSQ
Field Training Exercise	FTX
Permanent Party Individual Training	PPQ
Permanent Party Qualification	PPQ
Primary Leadership Development Course	PLC
Sapper Leader Course	RGL

NOTE: ADDITIONAL TRAINING EVENT CODES CAN BE FOUND IN DA PAM 710-2-1.

Appendix F
SENSITIVE AMMUNITION/EXPLOSIVES SECURITY RISK CATEGORIES

F-1. Category I. Non-nuclear missiles and rockets in a ready-to-fire configuration. For example: Hamlet, Redeye, Stinger, Dragon, Light Anti-tank Weapons (LAW) and Viper.

F-2. Category II.

a. Hand or rifle grenades, high explosives and white phosphorous.

b. Mines, anti-tank or anti-personnel.

c. Explosives used in demolition operations. For example: C-4, military dynamite and TNT.

F-3. Category III.

a. Ammunition, .50 caliber and larger, with explosive projectiles.

b. Grenades, incendiary and fuses for high explosive grenades.

c. Blasting caps.

d. Supplementary charges.

e. Bulk explosives.

f. Detonating cord.

F-4. Category IV.

a. Fuses.

b. Grenades, illumination, smoke, and CS/CN (tear producing).

c. Incendiary destroyers.

d. Riot control agents.

e. Ammunition for shoulder-fired weapons (other than grenade launchers), handguns, recoilless rifles up to and including 90mm, and any training aid that could be converted to live munitions.

Appendix G
SEGREGATION AND SEPARATION CHART OF HAZARDOUS MATERIALS

Compatibility Table for Class 1 (Explosive) Materials
(Ref: Tariff No. BOE-6000 Series, Section 177.848)

GROUPS	A	B	C	D	E	F	G	H	J	K	L	N	S
A		X	X	X	X	X	X	X	X	X	X	X	X
B	X		X	X	X	X	X	X	X	X	X	X	
C	X	X		2	2	X	X	X	X	X	X	3	
D	X	X	2		2	X	X	X	X	X	X	3	
E	X	X	2	2		X	X	X	X	X	X	3	
F	X	X	X	X	X		X	X	X	X	X	X	
G	X	X	X	X	X	X		X	X	X	X	X	
H	X	X	X	X	X	X	X		X	X	X	X	
J	X	X	X	X	X	X	X	X		X	X	X	
K	X	X	X	X	X	X	X	X	X		X	X	
L	X	X	X	X	X	X	X	X	X	X	1	X	X
N	X	X	3	3	3	X	X	X	X	X	X		
S	X	4/5	4/5	4/5	4/5	4/5	4/5	4/5	4/5	4/5	X	4/5	

CODES

COMPATIBILITY GROUPS

Blank-space-indicates that no restrictions apply.

X- indicates that explosives of different compatibility groups **may not** be carried on the same transport vehicle.

1- means an explosive from compatibility group L shall only be carried on the same transport vehicle with an identical explosive.

2- means any combination of explosives from compatibility groups C, D, or E is assigned to compatibility group E.

3- means any combination of explosives from compatibility groups C, D, or E with those in compatibility group N is assigned compatibility group D.

4- means no detonators or detonating primers may be transported on the same motor vehicle with any Division 1.1, 1.2, or 1.3 material (except other detonators or detonating primers), blasting agent or detonating cord unless authorized by Department of Transportation.

5- means Division 1.4S fireworks may not be loaded on the same transport vehicle with Division 1.1 or 1.2 materials.

TRANSPORTATION OF AMMUNITIONS AND EXPLOSIVES

Both Class and Division are based on the character and predominance of the associated hazards for causing personnel casualties or property damage.

Class/Division 1.1 - mass detonating.

Class/Division 1.2 - non mass detonating, fragment producing.

Class/Division 1.3 - mass fire

Class/Division 1.4 - moderate fire, no blast

Group A - initiating explosives (i.e., wet lead azide, wet mercury fulminate, dry cyclonite (RDX), dry pentaerythritol tetranitrate (PETN)).

Group B - detonators and similar initiating devices (i.e., blasting caps, detonators).

Group C - propellant propelling charges and devices containing propellant (i.e., rocket motors).

Group D - high explosives (HE) and ammunition containing HE (i.e., black powder, bulk TNT, Composition B).

Group E - ammunition containing HE without its own means of initiation and with propelling charge (i.e., artillery ammunition, rockets or guided missiles).

Group F - ammunition containing HE with its own means of initiation and with or without a propelling charge.

Group G - fireworks, illuminating, incendiary, and smoke or tear producing munitions (i.e., flares, signals, tear or smoke grenades).

Group H - ammunition containing both explosives and white phosphorus (WP) or other pyrophoric material.

Group J - ammunition containing both explosives and flammable liquids or gels (i.e., fuel-air explosive (FAE) devices).

Group K - ammunition containing both explosives and toxic chemical agents.

Group L - ammunition not included in other compatibility groups.

Group S - ammunition presenting no significant hazard (i.e., small arms ammunition).

Appendix H
NATIONAL STOCK NUMBERS/DEPARTMENT OF DEFENSE IDENTIFICATION CODES

National Stock Number (NSN), Department of Defense Identification Codes (DODIC), and nomenclatures to be used on DA Forms 581. Items identified with an asterisk require expenditure certification DA Form 5692-R when turning in residue. For items identified by plus (es), refer to Appendix L, paragraph L-1d of this document.

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
A010	<u>1305-00-028-5035</u> ; Ctg, 10-Gauge Blank	1.4S
Y010	NSN: Case Ctg, Fired 10-Gauge Shotgun NSN: Box Wooden	
A011	<u>1305-00-892-4254</u> ; Ctg, 12-Gauge Shotgun, Buckshot M19	1.4S
Y011	NSN: Case Ctg, Fired 12-Gauge Shotgun	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-1706-ZAAB; Box, Wirebound W/ends f/M2AI box	
A014	<u>1305-00-301-1706</u> ; Ctg, 12-Gauge Shotgun, Buckshot M19	1.4S
Y014	NSN: Case Ctg., Fired 12-Gauge shotgun	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A017	<u>1305-00-146-1187</u> ; Ctg., 12-Gauge Shotgun, plastic core #9 chilled shot	1.4S
Y017	NSN: Case Ctg, Fired 12-Gauge Shotgun	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl M2AI	
ZAAB	8140-00-078-8969-ZAAB; Boy, Wirebound w/ends f/M2AI box	
A017	<u>1305-00-928-4485</u> ; Ctg, 12-Gauge Shotgun, plastic core #9 chilled shot	1.4S
Y017	NSN: Case Ctg., Fired 12-Gauge Shotgun	
ZAAA	81 40-00- 960-1699-ZAAA; Box, Mtl M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound w/ends f/M2AI box	
A059	<u>1305-01-155-5459</u> ; Ctg, 5.56mm Ball M855	1.4S
Y071	NSN: Case Ctg, Fired	
	1305-00-121-0877; Clip, 10 round, f/5.56 Ctg.,	
Z071	NSN: Filler, Magazine, f/5.56mm Ctg,	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound w/ends f/M2AI box	
A062	<u>1305-01-258-8692</u> Ctg, 5.56mm Ball M855 Lnk	1.4S
A063	<u>1305-01-155-5457</u> ; Ctg, 5.56mm TR M856	1.4S
Y071	NSN: Case Ctg, Fired	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound w/ends f/M2AI box	
A064	<u>1305-01-156-7584</u> ; Ctg., 5.56mm 4 Ball M855/1 TR M856 Lnk	1.4S
Y071	NSN: Case Ctg, Fired	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound w/ends f/M2AI box	
B060	NSN: Link, Ctg, Metallic Belt	
A065	<u>1305-01-287-9659</u> ; Ctg, 5.56mm Ball M862	1.4S
Y071	NSN: Case, Ctg, Fired	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound w/ends f/M2AI	

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
A066	<u>1305-00-926-3970</u> ; Ctg, 5.56mm Ball M193	1.4S
Y071	NSN: Case, Ctg, Fired	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound w/ends f/M2AI	
A068	<u>1305-00-914-4719</u> ; Ctg, 5,56mm tracer, M19	1.4S
Y071	NSN: Case Ctg, Fired, M19	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A068	<u>1305-00-965-0832</u> ; Ctg, 5.56mm tracer, M196	1.4S
Y071	NSN: Case Ctg, Fired, M196	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A071	<u>1305-00-926-3930</u> ; Ctg, 5.56mm ball M193	1.4S
Y071	NSN: Case Ctg, Fired, M193	
	1305-00-121-0877; Clip, 10 round, f/5.56 Ctg,	
Z071	NSN: Filler, Magazine, f/5.56mm Ctg,	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A075	<u>1305-01-155-5464</u> ; Ctg, 5.56mm Blank M200 Lnkd	1.4S
Y080	NSN: Case, Ctg, Fired M200	
ZAAA	8140-00-960-1699-ZAAA; Box, Mil, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound w/ends f/M2AI box	
B060	NSN: Link, Ctg, Metallic Belt	
A080	<u>1305-00-182-3217</u> ; Ctg, 5.56mm Blank, M200	1.4S
Y080	NSN: Case Ctg, Fired, M200	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A086	<u>1305-00-305-0890</u> ; Ctg, cal .22 Ball, LR	1.4S
Y086	NSN: Case Ctg, Fired	
A091	<u>1305-00-049-5398</u> ; Ctg, cal .22 Ball, LR	1.4S
Y086	NSN: Case Ctg, Fired	
A093	<u>1305-00-600-5118</u> ; Ctg, cal .22 Ball, LR	1.4S
Y086	NSN: Case Ctg, Fired	
A106	<u>1305-01-257-2559</u> ; Ctg, Cal. .22 Ball	1.4S
Y086	NSN: Case, Ctg,, Fired	
A111	<u>1305-00-752-8087</u> ; Ctg, 7.62mm blank, M82	1.4S
Y111	NSN: Case Ctg, Fired M82	
B060	1305-00-752-7815-B060; Link, Ctg,, Metallic Belt 7.62	
ZAAC	8140-00-828-2838-ZAAC; Box, Mtl, M19A1	
ZAAD	<u>8140-00-891-6322</u> ; ZAAD; Box, Wirebound W/ends f/M19A1 box	
A112	<u>1305-00-990-5594</u> ; Ctg, 7.62mm blank, M82	1.4S
YI 31	NSN: Case Ctg,, Fired Brass 7.62mm	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2A1	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
AI24	<u>1305-00-882-5678</u> ; Ctg, 7.62mm tracer, M62	1.4S
YI31	NSN: Case Ctg, Fired M62	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
AI 30	<u>1305-00-914-4675</u> ; Ctg, 7.62mm ball, M80	1.4S
YI 31	NSN: Case Ctg,, Fired M80	
	1305-00-052-4336; filler, Mag, 7.62mm Ctg, 5-rd	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
AI 31	<u>1305-00-143-7163</u> ; Ctg, 7.62mm linked 4.B M80, I.TR-M62	1.4S
Y131	NSN: Case Ctg, Fired M62	
B060	1305-00-752-7815-B060; Link, Ctg, Mtl Belt , 7.62mm M13	
A315	1305-00-079-3579-A315; Bandoleer, M4, f/7.62mm	
ZAAC	8140-00-828-2838-ZAAC; Box, Mtl, M2AI	
ZAAD	8140-00-891-6322-ZAAD; Box, Wirebound W/ends f/M2AI box	
AI 36	<u>1305-00-064-2869</u> ; Ctg, 7.62mm, M118	1.4S
YI 31	NSN: Case Ctg, Fired Ml 18	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl,M2A1	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A140	<u>1305-00-926-4017</u> ; Ctg, 7.62mm tracer M62	1.4S
YI 31	NSN: Case Ctg, Fired M62	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A143	<u>1305-00-892-2330</u> ; Ctg, 7.62mm ball, linked	1.4S
YI 31	NSN: Case Ctg, Fired	
B060	1305-00-752-7815-BO60; Link, Ctg, Mtl Bell, 7.62mm M13	
A315	1305-00-079-3579-A315; Bandoleer, M4, f/7.62mm	
ZAAC	8140-00-828-2838-ZAAC; Box, Mll, M19AI	
ZAAD	8140-00-891-6322-ZAAD; Box, Wirebound W/ends f/M19AI box	
A146	<u>1305-00-892-2335</u> ; Ctg, 7.62mm, M62 linked	1.4S
YI 31	NSN: Case Ctg, Fired M62	
B060	1305-00-752-7815-B060; Link, Ctg, Mtl Belt, 7.62mm M13	
A315	1305-00-079-3579-A315; Bandoleer, M4, f/7.62mm	
ZAAC	8140-00-828-2838-ZAAC; Box, Mtl, M2AI	
ZAAD	8140-00-891-6322-ZAAD; Box, Wirebound W/ends f/M2AI box	
AI 51	<u>1305-00-889-2169</u> ; Ctg, 7.62mm 4 Ball M80/1 M62 Lnkd	1.4S
YI 31	NSN: Case, Ctg, Fired	
B060	1305-00-752-7815-B060; Link, Ctg, Mtl Belt, 7.62mm	
A315	1305-00-079-3579-A315; Bandoleer, ff7.62mm	
ZAAC	8140-00-828-2838-ZAAC; Box, M19AI	
ZAAD	8140-00-891-6322-ZAAD; Box, Wirebound w/ends f/M19AI box	
AI 65	<u>1305-00-926-3942</u> ; Ctg, 7.62mm linked 4.B-M80	1.4S
YI 31	NSN: Case Ctg, Fired M80	
B060	1305-00-752-7815-B060; Link, Ctg, Mtl Belt, 7.62mm M13	
ZAAH	1305-00-028-6535-ZAAH; Box Mtl M548	

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
A182	<u>1305-00-301-1662</u> ; Ctg, cal .30 ball M1 10/CLIP	1.4S
A212	<u>1305-00-028-6535</u> ; Ctg, cal .30 ball, M2	1.4S
Y212	NSN: Case Ctg, Fired M2 NSN: Can, Metal M21 NSN: Wooden Box M23	
A212	<u>1305-00-028-3150</u> ; Ctg, cal .30 ball, M2	1.4S
Y212	NSN: Case Ctg, Fired M2	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A358	<u>1305-01-214-8684</u> ; Ctg, 9mm TP-T M939 f/AT-4 TRNR	1.4C
Y358	1305-00-000-A358 Case, Ctg, Fired Aluminum	
Y363	1305-00-000-A363 Case, Ctg, Fired Brass	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound w/ends f/M2AI box	
A363	<u>1305-01-172-9558</u> ; Ctg, 9mm Ball M882	1.4S
Y363	1305-00-000-A363 Case, Ctg, Fired	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound w/ends f/M2AI box	
A365	<u>1305-00-915-8573</u> ; Ctg, 14.5mm trainer, M181	1.4S
Y365	NSN: Case Ctg, Fired M181 9098295; Wooden Box	
A366	<u>1305-00-915-8588</u> ; Ctg, 14.5mm trainer, M182	1.4S
Y366	NSN: Case Ctg, Fired M182 9098295; Wooden Box	
A367	<u>1305-00-915-8593</u> ; Ctg, 14.5mm trainer, M183	1.4S
Y367	NSN: Case Ctg, Fired M183 9098295; Wooden Box	
A400	<u>1305-00-322-6391</u> ; Ctg, cal .38 special ball,	1.4S
Y400	NSN: Case Ctg, Fired	
ZAAA	8140-00-960-1699-ZAAA; Box, Mil, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A403	<u>1305-00-301-1689</u> ; Ctg, cal .38 spec blank	1.4S
A404	<u>1305-00-301-1691</u> ; Ctg, cal .38 special ball,	1.4S
Y400	NSN: Case Ctg,, Fired	
A471	<u>1305-01-018-1538</u> ; Ctg, cal .45 ball match	1.4S
A475	<u>1305-00-301-1685</u> ; Ctg, cal .45 ball, MI911	1.4S
Y475	NSN: Case Ctg, Fired	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A482	<u>1305-00-892-4230</u> ; Ctg, cal .45 ball, 185gr	1.4S
Y475	NSN: Case Ctg, Fired	

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
A483	<u>1305-00-892-4230</u> ; Ctg, cal .45 ball, MI 911	1.4S
Y475	NSN: Case Ctg, Fired	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A520	<u>1305-00-764-8386</u> ; Ctg, cal.50 linked, 4.B	1.4C
Y520	NSN: Case Ctg, Fired Brass	
B060	1305-00-752-7815-B060; Link, Ctg, Mtl Belt, Cal..50 M15A2	
ZAAA	8140-00-960-1699-ZAAC; Box, Mtl, M2AI	
ZAAB	8140-00-076-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A527	<u>1305-00-028-6309</u> ; Ctg, cal .50 AP, M2 linked	1.4C
Y520	NSN: Case Ctg, Fired	
NSN:	Box Metal Container M2 linked	
NSN:	Wooden Box, wire bound w/ends, f/M2 Box	
A530	<u>1305-00-028-6562</u> ; Ctg, cal.50 linked, 4.AP M2, l.	1.4C
Y520	NSN: Case Ctg,, Fired	
B060	1305-00-752-7815-B060; Link, Ctg, Mtl Belt, Cal .50 M2	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A552	<u>1305-00-585-5191</u> ; Ctg, Cal .50 Ball M2 Ctn Pack	1.4C
A555	<u>1305-00-028-6574</u> ; Ctg, Cal.50 Ball M2/M33 Lnkd	1.4C
Y520	NSN: Case Ctg, Fired	
B060	1305-00-752-7815-B060; Link, Ctg, Mtl Belt, Cal .50	
ZAAA	8140-00-960-1699-ZAAA; Box Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box Wirebound w/ends f/M2AI box	
A557	<u>1305-00-028-6583</u> ; Ctg, cal.50 linked, 4.B-M33, l.TR-MI7	1.4C
Y520	NSN: Case Ctg, Fired	
B060	1305-00-028-6583-B060 Link, Ctg, Mtl Belt, Cal .50 M2	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A557	<u>1305-00-028-6587</u> ; Ctg cal .50 linked, 4.B-M33, l.TR-MI7	1.4C
Y520	NSN: Case Ctg, Fired	
B060	1305-00-935-2048-B060 Link, Ctg, Mtl Belt, Cal .50 M2	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2A1 box	
A577	<u>1305-00-028-6604</u> ; Ctg, Cal .50 4API M8/1APT-T M20 Lnkd	1.4G
A559	<u>1305-00-028-6379</u> ; Ctg, cal .50 blank MI linked	1.4C
Y520	NSN: Case Ctg, Fired	
B060	1305-00-096-3170-B060 Link, Ctg, Mtl Belt, Cal .50 M2 NSN: Wooden Box, Mtl, M1817	

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
A559	<u>1305-00-028-6380</u> ; Ctg, cal. 50 blank MI linked	1.4C
Y520	NSN: Case Ctg, Fired	
B060	1305-00-096-3170-B060 Link, Ctg, Mtl Belt, Cal .50 M2	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A573	<u>1305-00-028-6610</u> ; Ctg, cal .50 tracer, M17 linked	1.4C
Y520	NSN: Case Ctg, Fired	
B060	1305-00-096-3170-B060 Link, Ctg, Mtl Belt, Cal .50 M2	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A574	<u>1305-00-554-6745</u> ; Ctg, cal .50 spotter-tracer M48A2	1.4C
Y520	NSN: Case Ctg, Fired	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends M2AI box	
A589	<u>1305-00-689-4709</u> ; Ctg, cal .50 linked, 4.AP1 -M8 I.API.T-M8	1.4G
Y520	NSN: Case Ctg, Fired	
B060	1305-00-257-4709-B060; Link, Ctg, Mtl Belt, Cal .50 M2	
ZAAA	8140-00-960-1699-ZAAA;Box, Mtl, M2A1	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2A1 box	
A593	<u>1305-00-689-4752</u> ; Ctg, cal .50 linked, 4.AP M2 I.TR-MI	1.4C
Y520	NSN: Case Ctg, Fired	
B060	1305-00-257-4709-B060; Link, Ctg, Mtl Belt, Cal .50 M2	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
A598	<u>1305-01-078-4879</u> ; Ctg, cal .50 Blank M1E1 Lnkd	1.4C
A602	<u>1305-01-126-6201</u> ; Ctg, cal .50 4 Ball M858/1TR M860 Lnkd	1.4S
A652	<u>1305-00-522-3701</u> ; Ctg, 20mm TP-T, M220 Linked	1.4C
Y652	NSN: Case Ctg, Fired	
B060	1305-00-965-0853-B060; Link, Ctg, 20mm, M14AI	
ZAAH	8140-00-739-0233-ZAAH; Box, Mtl, M548	
A652	<u>1305-00-157-4886</u> ; Ctg, 20mm TP-T, M220 Linked	1.4C
Y652	NSN: Case Ctg, Fired	
B060	1305-00-965-0853-B063; Link, Ctg, 20mm, M14AI	
ZAAH	8140-00-739-0233-ZAAH; Box, Mtl, M548	
A653	<u>1305-00-143-7034</u> ; Ctg, 20mm linked, 4.HE1-M56A3 I.TP.T-M20	1.2E
Y652	NSN: Case Ctg, Fired	
B060	1305-00-965-0853-B060; Link, Ctg, 20mm, M14AI	
ZAAH	8140-00-739-0233-ZAAH; Box, Mtl, M548	
A896	<u>1305-00-169-1784</u> ; Ctg, 20mm 4TP M55A2/1 TP-T M220 Lnkd	1.4C
B504	<u>1310-00-541-6149</u> ; Ctg, 40mm green star, M661	1.4G
	NSN: Case Ctg, Fired, 40mm	
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
B505	<u>1310-00-541-6149</u> ; Ctg., 40mm red star, M662 NSN; Case Ctg, Fired, 40mm	1.4G
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
B506	<u>1310-00-541-6150</u> ; Ctg., 40mm red smoke, M713 NSN; Case Ctg., Fired, 40mm	1.4G
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2A1 box	
B507	<u>1310-00-541-6151</u> ; Ctg, 40mm white smoke, M714 NSN; Case Ctg., Fired, 40mm	1.4G
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
B508	<u>1310-00-541-6152</u> ; Ctg, 40mm green smoke, M715 NSN; Case Ctg, Fired, 40mm	1.4G
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
B509	<u>1310-00-541-6153</u> ; Ctg, 40mm yellow smoke, M716 NSN; Case Ctg, Fired, 40mm	1.4G
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2AI	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound W/ends f/M2AI box	
B519	<u>1310-01-211-8073</u> ; Ctg, 40mm Practice NSN; Case Ctg, Fired, 40mm plastic	1.4C
B534	<u>1310-00-406-4643</u> ; Ctg, 40mm AP NSN; Case Ctg, Fired, 40mm, XM199	1.4S
	8140-00-089-8673; Box, Wirebound	
A315	1310-00-828-2926; Bandoleer, f/plas sup 6rd	
B535	<u>1310-00-159-3198</u> ; Ctg, 40mm white star, CS, M583A1 NSN; Case Ctg, Fired, 40mm, M195	1.4G
	8140-00-162-2005; Box, Mtl, M2AI	
	8140-00-184-8259; Box, Wirebound	
B542	<u>1310-01-159-8043</u> ; Ctg, 40mm HEDP M430 Lnkd (04)	1.1E
B546	<u>1310-00-992-0451</u> ; Ctg, 40mm HE, XM433E1 NSN; Case Ctg, Fired, 40mm XM118	1.1 E
	8140-00-089-8673; box, wirebound	
A315	NSN: Bandoleer w/built-in support	
B643	<u>1310-01-149-3185</u> ; Ctg, 60mm HE M888 (08)	1.2E
B568	<u>1310-00-724-8081</u> ; Ctg, 40mm HE M406 w/fuse, PD, M55	1.2E
Y546	1310-00-000-B546; Case Ctg, Fired, 40mm	
	8140-00-089-8673; box, wirebound	
	1310-00-828-2926; Bandoleer, F/Plas Sup 6rd	
	1310-00-077-2151; Support Plastic F/Bandoleer	
B571	<u>1310-01-196-2654</u> ; Ctg, 40mm HE M383E1 Lnkd (12)	1.1E

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
B577	<u>1310-00-113-7376</u> ; CTG, 40mm TP M407A1 (04)	1.2G
B584	<u>1310-00-724-8081</u> ; Ctg, 40mm TP M918 Lnkd	1.4C
Y546	1310-00-000-B546; Case Ctg, Fired, 40mm	
ZAAH	8140-00-739-0233-ZAAH; Box Mtl	
C025	<u>1315-00-892-4951</u> ; Ctg, 75mm blank, M337AI EI	1.3C
Y025	NSN; Case Ctg, Fired, 74mm M9AI	
PB79	8140-00-827-6234; Box, Wooden	
C256	<u>1315-00-498-6407</u> ; Ctg, 81mm HE, M374A2 NSN: Case Ctg, Fired, 81mm 8140-00-827-6033; Box, wdn, 8140-00-862-3172; Stop Packing	1.2E
C256	<u>1315-00-935-1931</u> ; Ctg, 81mm HE, M374A2 NSN: Case Ctg, Fired, 81 mm 8140-00-827-6038; Box, wdn, 8140-00-862-3172; Stop Packing	1.2E
C256	<u>1315-00-935-6032</u> ; Ctg, 81 mm HE, M374 NSN: Case Ctg, Fired, 81 mm 8140-00-827-6033; Box, wdn, 8140-00-862-3172; Stop Packing	1.2E
C276	<u>1315-00-498-6406</u> ; Ctg, 81mm smoke,WP, M375A2 NSN: Case Ctg, Fired, 81 mm 8140-00-827-6033; Box, wdn 8140-00-862-3172; Stop Packing	1.3H
C276	<u>1315-00-498-6406</u> ; Ctg, 81mm, smoke, WP, M375 NSN: Case Ctg, Fired, 81mm 8140-00-827-6038; Box, wdn, 8140-00-862-3172; Stop Packing	1.2H
C282	<u>1315-00-892-4307</u> ; Ctg, 90mm Heat, M37IAI NSN: Case Ctg, Fired, 90mm M112, 8595496	1.2E
PE54	8140-00-859-801 5; Box wooden	
C410	<u>1315-00-926-9243</u> ; Ctg, 90mm Canister XM590EI NSN: Case Ctg, Fired, 90mm MI 12, 8595496 8140-00-089-8670	1.2C
C440	<u>1315-00-028-5033</u> ; Ctg, 105mm blank, M395 NSN: Case Ctg, Fired, 105mm NSN: Box, Wooden NSN: Container, Fiber M34A1	1.3C
C440	<u>1315-00-028-5033</u> ; Ctg, 105mm blank NSN: Case Ctg, Fired steel, 105mm M15B1 8845003 NSN: Case Ctg, Fired, 105mm NSN: Box, Wooden NSN: Container, Fiber M34A1	1.3C

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
C995 CX01	* <u>1315-01-245-4950</u> ; Launcher and Cartridge AT4 84mm HE, M136 1315-01-273-9352; Field Handler Trainer	1.1E
D505 PA41 PC66	<u>1320-00-935-2091</u> ; Projectile, 155mm, Illum, 485A2 8140-00-127-3033; Pallet Assembly (Top & Bot) 8140-00-425-0756; Grommet, type 1 (Plastic) 8140-00-837-3044; Grommet, Metal NSN: Plug, Lifting	1.3G
D506 PA41 PC66	<u>1320-00-926-9276</u> ; Projectile, 155mm, smoke, HC BE, MI 16E2 8140-00-127-3033; Pallet Assembly (Top & Bot) 8140-00-425-0756; Grommet, type I (plastic) 8140-00-837-3044; Grommet, Metal NSN: Plug, Lifting	1.3G
D540 ZAUG Y540	<u>1320-00-935-1922</u> ; Charge Propelling 155mm, M3AI 8140-00-859-8017; Container metal, M14 w/cover 5330-00-857-2941; Gasket for container, metal M14 w/cover	1.3C
D544	<u>1320-00-529-7331</u> ; Projectile, 155mm, HE, M107 8140-00-127-3033; Pallet Assembly (Top & Bot) 8140-00-425-0756; Grommet, type I (plastic) 8140-00-837-3044; Grommet, Metal NSN: Plug, Lifting	1.1D
D570 Y590	<u>1320-00-555-5126</u> ; Ctg, 165mm HEP, M123AI NSN; Case Ctg, Fired, M104 8140-00-827-6245; Box, Wdn	1.1 F
D590 Y590	<u>1320-00-926-4072</u> ; Ctg, 165mm, TP XM623 NSN; Case Ctg., Fired 8140-00-827-6245; Box, Wdn	1.2C
G839 Y1 31 ZAAA ZAAB	<u>1330-00-892-4106</u> ; Ctg, Grenade,Rifle, 7.62mm NATO M64 NSN: Case Ctg, Fired Brass, 7.62mm 8140-00-960-1699-ZAAA; Box, Mtl, M2AI 8140-00-078-8969-ZAAB; Box, wirebound, w/ends f/M2AI Box	1.4S
G841	<u>1330-00-926-4011</u> ; Ctg, Gren Rifle 5.56mm M195	1.4S
G878 Z878 Y881 Y878	<u>1330-00-168-5502</u> ; Fuze, hand grenade, practice, SM 228 NSN: Pull ring, Grenade w/safety pin NSN: Safety lever NSN: Body Fuze, Hand grenade, expended NSN: Box, wooden	1.4B
G881 Z878 Y881 ZAYL	* <u>1330-00-133-8244</u> ; Grenade, hand, fragmentation XM67 NSN: Pull ring, Grenade w/safety pin NSN: Safety lever 81440-00-828-2961; Box, Wooden	1.1F

	<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
++	G900 Z878 Y881	* <u>1330-00-219-8557</u> ; Grenade, hand, INCID, AN-MI4 NSN: Pull ring, Grenade w/safety pin NSN: Safety lever 8140-00-345-9022; Box, Wooden	1.3G
++	G911 Z878 Y881	* <u>1330-00-194-2768</u> ; Grenade, hand, offensive MK3A2 NSN: Pull ring, Grenade w/safety pin NSN: Safety lever 8140-00-152-0009; Box, Wooden	1.1F
++	G922 Z878 Y881	<u>1330-00-143-7146</u> ; Grenade, hand, CS, XM47EI NSN: Pull ring, Grenade w/safety pin NSN: Safety lever NSN; Box, Wooden	1.4G
++	G924 Z878 Y881	<u>1330-00-645-6211</u> ; Grenade, hand, Riot, CS1, ABC-M25A2 NSN: Pull ring, Grenade w/safety pin NSN: Safety lever NSN; Box, Wooden NSN: Can, Mtl	1.4G
	G932	<u>1330-00-477-6719</u> ; Grenade, hand, SMK red M48E3	1.4G
	G937 Z878 Y881	<u>1330-00-676-2671</u> ; Grenade, hand and rifle smoke, WP ABC, M34 NSN: Pull ring, Grenade, w/safety pin NSN: Safety Lever 8140-00-089-8563; Can Metal NSN; Box, Wooden	1.2H
	G940 Z878 Y881	<u>1330-00-289-6851</u> ; Grenade, h and, M18, Green NSN: Pull ring, Grenade, w/safety pin NSN: Safety Lever 8140-00-345-9022; Box, Wooden	1.4G
	G945 Z878 Y881	<u>1330-00-289-6854</u> ; Grenade, Hand, M18, Yellow Smoke NSN: Pull ring, Grenade, w/safety pin NSN: Safety Lever	1.4G
	G950 Z878 Y881	<u>1330-00-289-6852</u> ; Grenade, Hand, M18, Red Smoke 8140-00-345-9022; Box, Wooden NSN: Pull ring, Grenade, w/safety pin NSN: Safety Lever 8140-00-345-9022; Box, Wooden	1.4G
	G955 Z878 Y881	<u>1330-00-289-6853</u> ; Grenade, Hand, M18, Violet Smoke NSN: Pull ring, Grenade, w/safety pin NSN: Safety Lever 8140-00-345-9022; Box, Wooden	1.4G
++	G963 Z878 Y881	<u>1330-00-965-0802</u> ; Grenade, Hand, Riot Control Agent ABC-M7A3 NSN: Pull ring, Grenade, w/safety pin NSN: Safety Lever 8140-00-345-9022; Box, Wooden	1.4G
++	G978	<u>1330-01-353-3284</u> ; Grenade Launcher, Smoke XM82 (02)	1.2G

	<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
++	G982	<u>1330-01-380-0287</u> ; Grenade, Hand Smoke, TA, M83	1.4G
	H974	<u>1340-01-268-7174</u> ; Rocket, 2.75 in whd M267, FZ M439, Mtr MK66-3(04)	1.2G
	H975	<u>1340-01-269-1446</u> ; Rocket, 2.75 in prac, w/whd M274, Mtr M66-3	1.3G
++	J003	<u>1345-01-384-3617</u> ; Canister, Assembly F/M87A1 VOLCANO	1.1D
	J143	<u>1340-01-118-2838</u> ; Rocket Motor, 5 in , MK 22, MOD 4 (For MICLIC)	1.3C
++	K001	<u>1345-0-061-85782</u> ; Activator, M1 F/at mine M15	1.1B
++	K002	<u>1345-00-028-5105</u> ; Activator, antitank mine practice, MI	1.4S
	Y002	NSN: Box, Wdn NSN: Container, Metal	
++	K010	<u>1345-00-690-7338</u> ; Burster, Incendiary, M4	1.1G
++	K022	<u>1345-01-160-8909</u> ; Disp & Mine, Ground M131 (MOPMS)	1.1D
++	K042	<u>1345-01-233-2030</u> ; Canister, Mine, Practice (Volcano)	1.4C
	Y042	1345-00-000-K042; Canister	
++	K045	<u>1345-01-233-2029</u> ; Mine, Canister HE XM87 (VOLCANO)	1.1D
++	K051	<u>1345-00-028-5130</u> ; Fuze, mine, AT, Practice M604	1.4G
		NSN: Box Wdn NSN: Container, Metal	
++	K058	<u>1345-00-717-5770</u> ; Fuze, M605 Comb F/M16 series mine	1.4D
	KI 39	<u>1345-00-402-2226</u> ; Mine, antipersonnel, practice, NM XM68 8140-00-828-7421; Box, Wdn	NONE
	A315	NSN: Bandoleer, M7 NSN: Test Set NSN: Firing Device	
	K143	* <u>1345-00-710-6946</u> ; Mine, antipersonnel M18A1 8140-00-828-7421; Box, Wdn	1.1D
	A315	NSN: Bandoleer, M7 NSN: Test Set, M40 NSN: Firing Device, M57	
	K180	<u>1345-00-028-5118</u> ; Mine Antitank, Heavy, M15 8140-00-827-6315; Box , Wdn NSN: Wrench, arming, M20, 7548279 NSN: Safety Fork for fuze, mine NSN: Container, Metal for Fuze, Mine NSN: Container, Metal for Activator, M1	1.1D
	K181	* <u>1345-00-729-4263</u> ; Mine, antitank, HE Heavy, M21 NSN: Box, Wirebound, 8830860 NSN: Wrench, Arming, M26, 8831380	1.1D

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
K250	* <u>1345-00-348-8646</u> ; Mine, AT, Heavy, M19, NM	1.1D
K765	<u>1365-00-690-8556</u> ; Riot control agent, ABC, CS capsule NSN: Box, Wdn NSN: Can Mtl	6.1G
K768	<u>1365-00-926-1914</u> ; Chemical Agent, S1 NSN: Box, Wdn	6.1G
L116	<u>1370-00-921-6172</u> ; Signal Kit, Personnel distress, red XM185 NSN; Box, wdn	1.4G
L117	<u>1370-00-926-9387</u> ; Signal Kit, Personnel distress, XM186 NSN; Box, wdn	1.4G
L278	<u>1370-00-921-6118</u> ; Signal Ilium, gnd, red NSN; Box, wdn	1.3G
L279	<u>1370-00-921-6119</u> ; Signal Ilium, gnd, white NSN; Box, wdn	1.3G
L280	<u>1370-00-921-6120</u> ; Signal Ilium, gnd, green NSN; Box, wdn	1.3G
L305 ZLAX	<u>1370-00-182-3408</u> ; Signal Ilium, ground, M195 Green Star NSN; Box, wdn	1.3G
L306 ZLAX	<u>1370-00-756-2591</u> ; Signal Ilium, ground, M195 Red Star NSN; Box, wdn	1.3G
L307 ZLAX	<u>1370-00-756-2588</u> ; Signal Ilium, ground, M195 White Star NSN; Box, wdn	1.3G
L31 0 ZLAX	<u>1370-00-965-0864</u> ; Signal, Ilium, ground series M19 NSN: Box, Wdn	1.3G
L311 ZLAX ZLAY Y312	<u>1370-00-629-2336</u> ; Signal, Ilium, ground, M126AI, Red Sta 8140-00-089-8629; Box, Wdn NSN: Container, Metal, M492, 7548414 NSN: Tube, Signal, expended	1.3G
L312 ZLAX ZLAY Y312 ZAAH	<u>1370-00-753-1859</u> ; Signal, Ilium, ground, M126AI, White Star 8140-00-089-8629; Box, Wdn NSN: Container, Metal, M492, 7548414 NSN: Tube, Signal, expended 8140-00-739-0233; Box, Mtl	1.3G
L314 ZLAX ZLAY Y312 ZAAH	<u>1370-00-629-2335</u> ; Signal, Ilium, ground, M126AI, Green Star 8140-00-089-8629; Box, Wdn NSN: Container, Metal, M492, 7548414 NSN: Tube, Signal, expended 8140-00-739-0233; Box, Mtl	1.3G

	<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
	L324	<u>1370-00-301-1131</u> ; Signal, smoke, ground, M128AI, parachute	1.3G
	ZLAX	8140-00-089-8629; Box, Wdn	
	ZLAY	NSN: Container, Metal, M492, 7548414	
	Y312	NSN: Tube, Signal, expended	
	L340	<u>1370-00-926-1931</u> ; Signal Smoke, ground, White, M166 8140-00-145-0054; Box, Wdn	1.3G
	L367	<u>1370-01-085-2601</u> ; Simulator, anti-tank wpns effect M22 (ATWESS)	1.3G
++	L495	<u>1370-00-752-8060</u> ; Flare, Surface, trip, M49AI or M49A2 NSN: Box, Wdn <u>1370-00-828-7494</u> ; Mounting Bracket assembly	1.3G
++	L594	<u>1370-00-752-8126</u> ; Simulator, projectile, ground burst, MI 15A2	1.2G
	Y594	NSN: Box, Wdn, 8799711	
++	L596	<u>1370-00-935-1969</u> ; Simulator, flash, arty M110 NSN: Box, Wdn, 76-1-1265	1.3G
++	L596	<u>1370-00-028-5118</u> ; Simulator, flash, arty M110 NSN: Box, Wdn, 76-1-1265	1.3G
++	L598	<u>1370-00-028-5256</u> ; Simulator, booby trap flash, MI 17 NSN: Box, Wdn, 8799713	1.3G
++	L599	<u>1370-00-028-5257</u> ; Simulator, booby trap,illum, M118 NSN: Box, Wdn, 8799717	1.3G
++	L600	<u>1370-00-028-5255</u> ; Simulator, booby trap, Whistling M119 NSN: Box, Wdn, 8799717	1.3G
++	L601	<u>1370-00-752-8124</u> ; Simulator, hand grenade, M116A1 NSN: Box, Wdn,	1.3G
++	L602	<u>1370-01-128-0418</u> ; Simulator, flash, " 50mm, M21 NSN: Box, Wdn	1.4G
++	L605	<u>1370-00-474-0270</u> ; Simulator, atomic explos M142 NSN: Drum, 55 gal, W/lid and lid ring NSN: Cable, electric, 150 ft	1.IG
-			
++	M020	<u>1375-00-781-9066</u> ; Chg, demo shaped MK45	1.1D
	M023	* <u>1375-00-724-7040</u> ; Charge, demol, block, comp C4 M112	1.1D
	JJ04	8140-00-089-8599; Box, wooden	
	M024	<u>1375-00-728-5941</u> ; Chg, demo block M118 2lb petn	1.1D
	M028	* <u>1375-00-926-1948</u> ; Demolition Kit, bangalore torpedo, MI A2	1.1D
	ZXAC	8140-00-857-2975; Box, wooden	
	M030	* <u>1375-00-926-9394</u> ; Charge, demol, block, 1/4 lb TNT	1.1D
	Y030	8140-00-828-2942; Box, wooden	

	<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
	M032	* <u>1375-00-028-5142</u> ; Charge, demol, block, 1 lb TNT 8140-00-089-8602; Box, wooden	1.1D
	M032	* <u>1375-00-935-6139</u> ; Charge, demol, block, 1 lb TNT, 8140-00-089-8602; Box, wooden	1.ID
	M039 Y039	* <u>1375-00-028-5145</u> ; Charge, demol, block, 40-lb cratering 8140-00-828-2900; Box, wooden	1.1D
	M039 Y039	* <u>1375-00-028-5146</u> ; Charge, demol, block, 40-lb cratering 8140-00-828-2900; Box, wooden	1.1D
	M130 PJ20	* <u>1375-00-756-1865</u> ; Cap, Blasting, electric 8140-00-089-8603; Box, Wdn	1.1B
	M131	* <u>1375-00-756-1864</u> ; Cap, Blasting, nonelectric M7 8140-00-089-8605; Box, Wdn	1.1B
	M131	* <u>1375-00-370-3519</u> ; Cap, Blasting, nonelectric M7 8140-00-089-8605; Box, Wdn, Improved Packing	1.4B
++	M174	<u>1385-00-605-0253</u> ; Ctg, impulse .50 cal (FSC 1377 and 1385)	1.4C
++	M327 Y327	<u>1375-00-699-5236</u> ; Coupling Base, firing device w/primer, M27 NSN: Box, Wdn, 8826665	1.4S
	M420 ZPAJ	* <u>1375-00-028-5237</u> ; Charge Demolition, Shaped 15 lb, M2A3 8140-00-089-8610; Box, Wdn	1.1D
	M421 ZPAK	* <u>1375-00-028-5421</u> ; Charge Demolition, Shaped 40-lb, M3 8140-00-827-6343; Box, Wdn	1.1D
	M421 ZPAK	* <u>1375-00-088-6691</u> ; Charge Demolition, Shaped 40-lb, M3E2 8140-00-827-6343; Box, Wdn	1.1D
	M448	<u>1375-00-729-4375</u> ; Detonator, perc M2A1 8 sec delay	1.4B
	M450	<u>1375-00-729-4378</u> ; Detonator, perc M1A2	1.4B
	M456 PJ95	* <u>1375-00-204-0851</u> ; Cord, detonating, reinforced, waterproof 8140-00-089-8613; Box,Wdn NSN: Spool	1.1D
	M456 PJ95	* <u>1375-00-180-9356</u> ; Cord, detonating, reinforced, waterproof 8140-00-089-8613; Box, Wdn NSN: Spool	1.1D
	M591	* <u>1375-00-724-9613</u> ; Dynamite Military MI	1.1D
++	M626 Y626	* <u>1375-00-028-5180</u> ; Firing device, demolition, MIAI 8140-00-089-8621; Box, Wdn NSN: Expended firing device	1.4S

	<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
++	M627 Y627	* <u>1375-00-028-5192</u> ; Firing device, demolition, M5 8140-00-089-8618; Box, Wdn NSN: Expeded firing device	1.4S
++	M629 Y629	* <u>1375-00-028-5189</u> ; Firing device, demolition, M3 8140-00-089-8620; Box, Wdn NSN: Expeded firing device	1.4S
++	M630 Y630	* <u>1375-00-580-1392</u> ; Firing device, demolition, pull type, MI 8140-00-089-8623; Box, Wdn NSN: Expeded firing device	1.4S
	M670 PJ29	* <u>1375-00-028-5151</u> ; Fuze, Blasting, time 8140-00-089-8612; Box, Wdn NSN: Can, Mtl	1.4S
	M757 ZQAX A315	* <u>1375-00-926-3985</u> ; Charge, assembly, demol 8140-00-089-8614; Box, Wdn NSN: Case, carrying M185	1.1D
	M766 Y766	* <u>1375-00-691-1671</u> ; Igniter, time Blasting Fuze, M2 8140-00-827-6262; Box, Wdn NSN: Expeded Igniter	1.4S
	M832	<u>1375-01-004-1083</u> ; Chg, demo shaped MK74 MOD1	1.1D
	M842	<u>1377-00-219-8567</u> ; Squib, elec, M1	1.4S
	ML03 ZAAC ZAAD	* <u>1375-00-040-1526</u> ; Frng Dev. Demo. M142 8140-00-828-2838; Box, Mtl, M19A1 8140-00-891-6322; Box, Wirebound w/ends F/MI 9AI Box	1.4S
	ML04	<u>1375-01-037-5428</u> ; Cutter, HE MK23 MOD0	1.1D
	ML15	<u>1375-01-299-4153</u> ; Chg, demo flex linear shaped 225 gr/ft	1.1D
+	ML47	<u>1375-01-415-1232</u> ; Cap, Blasting, Non-Electric, 30ft shock tube XM11/M11	1.4B (1.4S when transporting)
+	MN02	<u>1375-01-415-1230</u> ; Cap, Blasting, Non-Electric, 500ft shock tube XM12/M12	1.4B (1.4S when transporting)
+	MN03	<u>1375-01-415-1231</u> ; Cap, Blasting, Non-Electric, 100ft shock tube XM13/M13	1.4B (1.4S when transporting)
+	MN06	<u>1375-01-415-1233</u> ; Cap, Blasting, Non-Electric, delay, XM12/M14	1.4B (1.4S when transporting)
+	MN07	<u>1375-01-415-1234</u> ; Cap, Blasting, Non-Electric, delay, XM15/M15	1.4B (1.4B when transporting)
	MN08	<u>1375-01-415-1235</u> ; Igniter, Time Blasting Fuse, XM 81	1.4S

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
N248	<u>1390-00-993-5691</u> ; Fuze, Mech time, M565	1.4B
ZAAB	8140-00-864-1394; Box, Wirebound	
ZAAA	8140-00-960-1699; ZAAA: Box, Mtl, M2AI	
Z5AC	8140-00-855-5981; Top Support plastic	
ZZAF	8140-00-153-7345; bottom support	
N276	<u>1390-00-935-6140</u> ; Fuze, Mech time and superquick, M50IAI	1.4B
ZAAB	8140-00-864-1394; Box, Wirebound	
ZAAA	8140-00-960-1699-ZAAA: Box, Mtl, M2AI	
Z5AC	8140-00-855-5981; Top Support plastic	
ZZAF	8140-00-153-7345; bottom support	
N278	<u>1390-00-889-2044</u> ; Fuze, Mechanical time and superquick, M564	1.1D
ZAAB	8140-00-864-3194; Box, Wirebound	
ZAAA	8140-00-960-1699-ZAAA: Box, Mtl, M2AI	
Z5AC	8140-00-855-5981; Top Support plastic	
ZZAF	8140-00-153-7345; bottom support	
N282	<u>1390-00-814-3422</u> ; Fuze, MTSO, M548	1.4B
ZAAB	8140-00-864-3194; Box, Wirebound	
ZAAA	8140-00-960-1699-ZAAA: Box, Mt, M2A1	
Z5AC	8140-00-855-5981; Top Support plastic	
ZZAF	8140-00-153-7345; bottom support	
N285	<u>1390-00-805-0692</u> ; Fuze, MTSO, M557	1.1D
ZAAB	8140-00-864-3194; Box, Wirebound	
ZAAA	8140-00-960-1699-ZAAA: Box, Mtl, M2A1	
Z5AC	8140-00-855-5981; Top Support plastic	
ZZAF	8140-00-153-7345; bottom support	
N286	<u>1390-01-158-8193</u> ; Fuze, MTSQ M582 MTL BX	1.1D
N335	<u>1390-00-892-4302</u> ; Fuze, MTSO, M557	1.2B
ZAAB	8140-00-864-3194; Box, Wirebound	
ZAAA	8140-00-960-1699-ZAAA: Box , Mtl, M2AI	
Z5AC	8140-00-855-5981; Top Support plastic	
ZZAF	8140-00-153-7345; bottom support	
N335	<u>1390-00-187-5392</u> ; Fuze, MTSO, M557	1.2B
ZAAB	8140-00-864-3194; Box, Wirebound	
ZAAA	8140-00-960-1699-ZAAA: Box, Mtl, M2AI	
Z5AC	8140-00-855-5981; Top Support plastic	
ZZAF	8140-00-153-7345; bottom support	
N335	<u>1390-00-965-0824</u> ; Fuze, MTSO, M557	1.2B
ZAAB	8140-00-864-3194; Box, Wirebound	
ZAAA	8140-00-960-1699-ZAAA: Box, Mtl, M2AI	
Z5AC	8140-00-855-5981; Top Support plastic	
ZZAF	8140-00-153-7345; bottom support	
N340	<u>1390-01-132-7481</u> ; Fuze, PD, M739	1.1D
ZAAA	8140-00-960-1699-ZAAA; Box, Mtl, M2A1	
ZAAB	8140-00-078-8969-ZAAB; Box, Wirebound w/end F/M2AI Box	
ZZAF	8140-00-153-7345; Bottom Support	
Z5AC	8140-00-855-5981; Top Support Plastic	

<u>DODIC</u>	<u>NSN/NOMENCLATURE</u>	<u>HC/DIV SCG</u>
N402	<u>1390-00-964-9124</u> ; Fuze, MTSO, M532	1.1B
ZAAB	8140-00-864-3194; Box, Wirebound	
ZAAA	8140-00-960-1699; ZAAA: Box, Mtl, M2AI	
Z5AC	8140-00-855-5981; Top Support plastic	
ZZAF	8140-00-153-7345; bottom support	
N463	<u>1390-00-182-3132</u> ; Fuze Proximity, M728 NSN: Box, Wirebound NSN: Box, Mtl, PA 19	1.ID
N464	<u>1390-00-020-0096</u> ; Fuze Proximity, M732 NSN: Box, Wirebound NSN: Box, Mtl, PA 19	1.2D
N523	<u>1390-00-892-4202</u> ; Primer, perc M82	1.4S

Appendix I
SOP FOR AMMO HOLDING AREA

1. The Surveillance Office shall maintain copies of a complete SOP and be responsible for the enforcement of its provisions.
2. There will be no deviation or change from the approved SOP without prior approval of the Installation Commander or his/her designated representative.
3. Employees will not tamper with any safety devices or protective equipment. Safety equipment will not be modified without the local Safety Office approval.
4. Care will be taken to expose a minimum number of personnel for a minimum amount of time, to a minimum amount of hazardous material in order to conduct a safe and efficient operation.
5. PROCEDURES IN THE EVENT OF ELECTRICAL STORMS:
 - a. Whenever an electrical storm approaches the installation, personnel shall be evacuated from a location for which there is a hazard of explosives, which could be ignited by lightning.
 - b. When personnel are to be evacuated from explosive operations, the operations should be shutdown and doors closed. Personnel will evacuate to Building 1422. Operation will not continue until the Qualified Assurance Specialist (Ammunition Surveillance) (QASAS) indicates it is safe to resume.
 - c. The QASAS, being a responsible and qualified person, should be empowered with the final decision regarding the necessity for evacuation.
 - d. Personnel directly in charge of motor trucks containing explosives should, when possible, move the equipment to locations of comparative safety before evacuation.
6. The supervisor is responsible for reporting to the Safety Office all injuries and accidents occurring during his/her shift.
7. In the event of a fire or explosion, activate all installed fire extinguisher equipment and alarm systems. The person discovering the fire/explosion will notify the Fire Department, Safety Office, Surveillance Office, and Chief, ALS.
8. All fires starting in the vicinity of ammunition or explosives shall be reported and fought immediately with all available means, without awaiting specific instructions, until such time as the fire becomes out of control. At that time, all doors will be closed and the building will be evacuated.
9. Operators will have an unobstructed path of travel to the nearest available exit.
10. Work locations will be maintained in a neat and orderly condition.
11. Operators lifting material will use proper, safe hand tools, assume proper lifting position, avoid twisting when lifting or carrying, and avoid sharp objects.
12. Paint thinner, oily rags, and other highly flammable materials will not be stored with ammunition and explosives.
13. Leather or leather-palmed gloves will be worn when handling wooden boxes.
14. The appropriate fire symbol and/or chemical hazard symbol will be displayed on vehicles used to transport ammunition on the installation.
15. Any defect or unusual condition noted that is not covered by this SOP will be reported immediately to Supervisory/QASAS personnel.
16. Any ammunition determined to be dangerous to handle or store will be reported immediately to the Supervisory/QASAS personnel. Operations will be suspended and, if warranted, personnel will be evacuated pending further instruction.

- 17. All explosives and ammunition will not be handled roughly, thrown about, tumbled, or dropped.
- 18. Vehicle backing will have a ground guide.
- 19. When loading and off loading A&E, vehicles will be chocked.
- 20. The proper storage of mixed A&E will be specified in the storage compatibility-mixing chart as shown below:

STORAGE COMPATIBILITY MIXING CHART													
Group	A	B	C	D	E	F	G	H	J	K	L	N	S
A	X												
B		X										X	X
C			X	X	X							X	X
D			X	X	X							X	X
E			X	X	X							X	X
F						X							X
G							X						X
H								X					X
J									X				X
K										X			
L											X		
N		X	X	X	X							X	X
S		X	X	X	X	X	X	X	X				

* **“X” indicates that these groups may be combined in storage; otherwise, mixing is either prohibited or restricted.**
 * **Surveillance Office will assist units in determining compatibility requirements.**

- 21. Smoking is prohibited in any explosive storage location except where specifically designated as an authorized **“SMOKING AREA”**.
- 22. Matches or other flame producing devices will not be permitted in the AHA.
- 23. Carrying and using **“STRIKE ANYWHERE”** (kitchen) matches are prohibited.

A. STANDING OPERATING PROCEDURES FOR: UNITS STORING AMMUNITION AND EXPLOSIVES AT THE AMMUNITION HOLDING AREA

B. OPERATION NO. 1
 C. BAY NO. ALL
 D. SOP NO. FLW-000-M-303
 E. REV NO. _____ DATE _____
 F. CHANGE NO. _____ DATE _____

G. OPERATION: STORING AMMUNITION AND EXPLOSIVES

H. EXPLOSIVE LIMITS, UNIT: STORAGE LIMITS EXPLOSIVE LBS: STORAGE LIMITS

I. PERSONNEL LIMITS: OPERATORS: 0 TRANSIENTS: 0

J.

STEP NO.	DESCRIPTION	SPECIFIC INSTRUCTIONS (SAFETY, OPERATION, QUALITY CHECKS)
1.	Access to Ammunition Holding Area	1a. (O) Obtain personnel identification number (PIN) from physical security at the Law Enforcement Command. 1b. (O) Access to Ammunition Holding Area, disarming. Enter PIN code + ENTER.
2.	Storing A&E	2a. (O) Ensure ammunition is compatible for storage (see general safety requirements on page 5). 2b. (O) Store ammunition on pallet. 2c. (O) Ammunition should be stacked so that marking on each box can be read. 2d. (O) Stack ammunition with like NSN, LOT# and DODIC; mixed stacking is prohibited. 2e. (O) Stack ammunition at least four inches away from the wall. 2f. (O) Ensure ammunition stack is stable for storage. 2g. (O) A Magazine Data Card, DD Form 3020-R, will be maintained on ammunition which requires storage longer than 24 hours.
3.	Securing Ammunition Holding Area	3a. (O) Ammunition Holding Area. 1. Select “ON SECURITY” mode. 2. Enter your code (PIN). 3. Enter.

STEP NO.	DESCRIPTION	SPECIFIC INSTRUCTIONS (SAFETY, OPERATION, QUALITY CHECKS)
4.	Emergency Duress	4a. (O) Emergency duress sends an immediate request for help to the monitoring console. <ol style="list-style-type: none"> 1. Enter “DURESS CODE”. 2. Enter “PERSONNEL ID NUMBER. 3. Enter.

K. SPECIAL REQUIREMENTS:

1. Ammunition and explosives must remain packed until immediately prior to use. At no time will ammunition be opened in container.
2. Properly repack ammunition before transporting on motor vehicles. Ensure vehicle is properly placarded per DD Form 626 and DD Form 836.
3. Ammunition that has misfired or has been classified as unserviceable must be indelibly marked and segregated from serviceable ammunition.
4. Ammunition stored in the holding area will not exceed the amount needed for the training event or operational mission. The DOL Surveillance Office will monitor/manage the amount of A&E stored.

L. EQUIPMENT, TOOLS, GAGE, AND SUPPLIES:

<u>ITEM</u>	<u>QUANTITY REQUIRED</u>
1. GLOVES, LEATHER	1 PR/OPER
2. COMMON HAND TOOLS	AS REQUIRED

HAZARD ANALYSIS					
Standing Operating Procedure			AMMUNITION HOLDING AREA		
SOP Number: FLW-000-M-303		Rev no.	Change no.	Date:	
Operation	Cause	Effect	RAC	Counter Measure	RAC
ALL	Ammunition catching fire and/or exploding, due to initiation by a lightning strike during an electrical storm.	Personnel injured and/or killed.	ID	All ammunition packaged in DOT approved containers. Operation cease during electrical storm and personnel shall be evacuated from location at which there is hazard.	IE
ALL	Ammunition catching fire and/or exploding due to sparks and/or fire.	Personnel injured and/or killed.	ID	All ammunition remains packaged in DOT approved container. Have fire-fighting equipment available. No fire producing devices permitted in the vicinity of A&E.	IE
ALL	Ammunition detonating, due to mishandling by personnel.	Personnel injured and/or killed.	ID	All personnel working with ammunition are properly trained, briefed and supervised. No throwing or rough handling of ammunition will be allowed.	IE
ALL	Improper lifting of heavy items.	Back injury or strain muscle.	IID	Personnel lifting material will use proper lifting position, avoid twisting when lifting or carrying.	IIID
ALL	Handling treated boxes.	Skin and eye irritation. Inhalation.	IVD	Personnel should wear gloves, coveralls and goggles. No eating or drinking should be permitted in work area. Wash hands prior to eating, drinking, smoking or using toilet facilities.	IVE
ALL	Falling container or object.	Foot/lower leg injury.	IIID	Have positive control of items at all times. Wear safety shoes.	IIIE
ALL	Opening and closing container.	Hand and finger injury.	IVC	Wear leather/leather-palmed gloves. Personnel are trained and supervised on proper use of tools.	IVD
ALL	Trip hazard.	Personnel injury.	IVC	Keep all aisles free of objects; maintain good housekeeping, store ammunition IAW DA PAM 385-64.	IVD

			HAZARD PROBABILITY				
			Frequent	Likely	Occasional	Remote	Unlikely
			A	B	C	D	E
E F F E C T	Catastrophic	I					
	Critical	II					
	Marginal	III					
	Negligible	IV					
RISK LEVEL							
	Extremely High		High		Medium		Low

EFFECT

- I. Catastrophic-** Death or permanent total disability, system loss, major property damage.
- II. Critical-** Permanent partial disability, temporary total disabilities longer than 3 months, major system damage, significant property damage.
- III. Marginal-** Minor injury lost workday accident, compensable injury/illness, and minor property damage.
- IV. Negligible-** First aid or minor supportive medical treatment, minor system impairment.

Probability

- A. Frequent-** Individual soldier/item occurs in career/equipment service life. All soldiers exposed or continuously experience.
- B. Likely-** Individual soldiers/item occurs several times in a career/equipment service life. All soldiers exposed or occur frequently.
- C. Occasional-** Individual soldiers/time occurs sometimes in career/equipment service life. All soldiers exposed or occur sporadically or several times in inventory service life.
- D. Remote-** Individual soldiers/item possible occurs in career/equipment service life. All soldiers exposed to remote chance of occurrence; expected to occur sometime in inventory service life.
- E. Unlikely-** Individual soldiers can assume will not occur in career/equipment service life. Possible for all soldiers to be exposed, but improbable; occurs very rarely.

RISK LEVEL

- Extremely High Risk:** Loss of ability to accomplish mission.
- High Risk:** Significantly degrades mission capabilities in term of required mission standards.
- Medium Risk:** Degrades mission capabilities in term of required mission standard.
- Low Risk:** Little or no impact on accomplishment.
- Residual Risk:** Risk remaining after risk reduction efforts.

Appendix J
AMMUNITION HOLDING AREA
TOTAL EXPLOSIVE WEIGHT LIMITS AUTHORIZED

Hazard Class 1.1 - 900 pounds

Hazard Class 1.2 - None

Hazard Class 1.3 - 30,000 pounds

Hazard Class 1.4 - No Limit

NOTE: When Hazards Class 1.1 and Hazard Class 1.3 are both present, the total net explosive weight may not exceed 900 pounds.

Appendix K
BRASS AND RESIDUE RECOVERY REQUIREMENTS

The Fort Leonard Wood standard for recovery is 100 percent for all residue. In addition to Appendix L, DA Pam 710-2-1, and Industrial Operations Command special memorandum, the Fort Leonard Wood and TRADOC policy is to recover all residue (brass, metal boxes, wooden crates, wire-bound boxes, cardboard, packing material, and demolition residue, etc.). Commanders must make every effort to collect residue for turn in even when the nature of the training event makes it difficult. When this cannot be accomplished due to training constraints, the first O5 in the chain of command will prepare a DA Form 5811-R, Certificate-Lost or Damaged Class 5 Ammunition items, in accordance with paragraph 3-4e (4)b and figure C-13 and forward with remaining live, unserviceable, and residue to the Ammunition Logistics Section.

Appendix L
MANAGEMENT OF WASTE MUNITIONS PROCEDURES

L-1. Procedures to Minimize or Eliminate Waste from Military Munitions.

a. Use of military munitions for training activities by using units is considered to be intended use of the munitions, and does not generate waste (MMR, Ch 3, Para B.1). Training units will not take any action, such as removal, transportation, or burial, to dispose of munitions which land on the range. Such actions would be considered disposal of waste under the Resource Conservation and Recovery Act (RCRA) (MMR, Ch 5, Para B).

b. Regarding munitions which land on the range, the Explosive Ordnance Disposal (EOD) Detachment will check and certify in place that those munitions that have functioned are rendered safe or destroy such munitions in place during range clearance operations (considered a routine range maintenance activity, is exempt from RCRA under MMR, Ch 3, Para B.3). Regarding munitions which land outside a range, the EOD Detachment will contact the Missouri Department of Natural Resources (MDNR) concerning the need for a RCRA emergency permit and will dispose of such munitions in accordance with the terms of such permit.

c. All range munitions determined to be unsafe misfires and all duds will be destroyed on-site by the EOD Detachment during range clearance. Destruction of munitions during range clearance operations is considered a routine range maintenance activity, exempt from RCRA.

d. Management of Range Scrap (Expended Military Munitions): Range scrap removed from ranges must be managed per explosive, safety, and environmental requirements. When

range scrap is removed from the range, qualified personnel (as identified by the installation commander) must inspect and certify that they are inert per DOD 4160.21-M, Chapter 4, paragraph B3. Inspection methods include a 100% visual inspection. When removed from the range, range scrap is a solid waste, and potentially a hazardous waste. Appendix G of this regulation provides a listing of ammunition and explosives currently used in training on this installation. Those items preceded by a plus (+) have been tested by other organizations for Hazardous Waste (HW) determination. These items are considered hazardous waste based on the tests performed unless determined by ASP to have a market value for recycling as scrap metal. If there is no market available for these items, prior to removal from the range, the activity will coordinate with the ASP for the return of these items as HW to the Satellite Accumulation Point (SAP) located at the Ammunition Logistics Section (ALS). Those items preceded by two pluses (++) have not been evaluated for hazardous waste determination. Currently the Army Environmental Center (AEC) is testing expendable range residue for Hazardous Waste determination. These items will remain on the range until evaluated for hazardous waste determination. Contact the installation Environmental Branch, DPW, 6-0882, for further guidance on these items. All other items not preceded by a plus(es) may be removed from the ranges and taken to the ALS for further evaluation and/or processing as recyclable scrap metal. If not feasible, these expended munitions will be placed in with regular trash refuse once they have been certified explosive free by qualified installation personnel.

e. Unserviceable munitions (Condition Code H) will be used in training by the EOD Detachment in accordance with their Program of Instruction (POI), if possible (MMR, Ch 3, Para B.1.b, on all training ranges except the RCRA Interim Status Site, Range 36). If destruction of such munitions cannot reasonably be accomplished as part of the POI of the EOD Detachment, such munitions will be shipped to central arsenals for evaluation to determine whether the munitions are, in fact, unusable. Shipment will not be made for disposal. Compliance with this rule will not result in waste being generated at Fort Leonard Wood (FLW), (EPA Military Munitions Rule, EPA comment, 62 Federal Register 6626).

f. Damaged or deteriorated munitions which present an emergency as defined by MMR, Ch 9, will be handled as follows: If the munitions present an immediate threat to human health, public safety, property or the environment, such munitions will be destroyed as an emergency response, exempt from RCRA permit requirements (MMR, Ch 9, Para A.5.a). If the emergency does not pose an immediate threat and can be delayed without compromising safety or increasing the risks posed to life, property, health, or the environment, the EOD Detachment will contact the MDNR concerning the need for a RCRA emergency permit and will dispose of the munitions in accordance with the terms of such permit (MMR, Ch 9, Para A.5.b).

g. Damaged or deteriorated munitions which do not require an emergency response will be destroyed in training by the EOD Detachment in accordance with their POI, if possible (MMR, Ch 3, Para B.1.b). If destruction of such munitions cannot reasonably be accomplished as part of the POI of the EOD Detachment, such munitions will be shipped to central arsenals for evaluation to determine whether the munitions are, in fact, unusable. Shipment will not be made for disposal.

h. Regarding Military Police (MP) confiscated explosive items such as fireworks, commercial ammunition, and explosives, the following will apply: The EOD Detachment will evaluate to determine if these items are unsafe. Items determined safe by EOD may be retained by the MPs for evidence. Items no longer required for use as evidence can be released to EOD for training IAW their POI or could be retained by FLW for possible use or reported to the Delegated Disposition Authority (DDA) for disposition as resource recoverable material (MMR, Ch 6).

i. Abandoned by being buried - Munitions that are buried, either by intentional DOD disposal policy or through the act of an individual, are considered to be waste munitions unless determined by EOD to be an imminent and substantial risk to human health, public safety, property or the environment as outlined in Chapter 9 of the MMR. Unsafe munitions will be rendered safe by EOD personnel. If burial is the result from proper use of the munitions, then it is not considered abandoned by being buried.

L-2. Storage Procedures for Waste Munitions.

a. (QA) - all declared waste munitions will be tagged with DD Form 1577-2 (Unserviceable Tag – Materiel) with the words "waste munitions" annotated in the remarks box.

b. Waste munitions will be stored in the Ammunition Logistic Section (ALS) magazines that are in compliance with Department of Defense Explosive Safety Board (DDESB) standards DOD 6055.9, Chapter 14. This will include proper security (AR 190-11) and safety (DA Pam 385-64) provisions. Within magazines, waste munitions will be kept separated from non-waste munitions.

c. The Environmental Branch will be notified within 5 days of establishing a Hazardous Waste Accumulation Point (AP) at the ALS, so that DNR can be notified within 90 days. Munitions classified by the DDA as Hazardous Waste must be removed within 90 days from the date the waste was first placed into storage.

d. Personnel listed on the ALS access roster will control access to any storage magazine with waste munitions. This will assure that only trained and authorized personnel will have access to the waste munitions. All other personnel who would require access will be screened by the ALS chief and escorted by ALS personnel.

e. Loss or Theft of Waste Munitions in Storage.

(1) The Environmental Branch shall be notified immediately of any loss or theft of waste munitions so that they can immediately notify MDNR.

(2) The circumstances of the loss or theft of waste munitions will be submitted in writing to the Environmental Branch within 2 days of the incident so that they can submit it to the MDNR within 5 days of the incident.

f. The same procedures and time standards for loss and theft apply to those violations in DDESB storage standards that may endanger human health or the environment. Therefore, all storage standard violations will be reported to the installation commander, or his designate, for determination of which violations will be reported by the Quality Assurance Specialist (Ammunition Surveillance) QASAS.

g. When waste munitions are no longer in a storage location, the ALS Accountable Officer will notify the Environmental Branch within 3 days after the waste munitions have been removed so that MDNR can be informed.

L-3. Transportation Procedures for Waste Munitions. When shipped to other installations, waste munitions will be transported IAW RCRA, and Department of Transportation (DOT) regulations.

L-4. Recordkeeping.

a. Depot Surveillance Record (DSR).

(1) All actions affecting a munitions lot history shall be recorded on the Depot Surveillance Record (DSR), DA Form 3022-R. This includes changes in condition code, various inspections, etc.

(2) Accordingly, any change in status from non-waste to waste or waste to non-waste will be annotated on the DSR. The type of inspection for any DSR remark involving waste status will be "MMR". The remarks will also note if waste munitions are stored as RCRA Hazardous Waste.

b. Waste Munitions Database Management

(1) Independent accounting for waste munitions will be maintained by a computer database maintained at the Ammunition Surveillance office IAW MMR, Ch 7, Para C.2.a.

(2) This database will contain, at a minimum, the following fields:

(a) Department of Defense Identification Code (DODIC).

(b) National Stock Number (NSN).

(c) Lot Number.

(d) Quantity.

(e) Julian date when waste is generated (i.e.; "97153").

(f) Storage Location.

(g) Status - "BCE" for Conditional Exemption or "B5E" for RCRA Regulated Waste. Note: RCRA Regulated Waste must be shipped out within 90 days.

(h) Remarks - Reason why lot is waste, along with relevant document and ACR numbers.

(i) Remarks 2 - Any additional disposition or de-listing and Julian date.

(j) Shipment Information - Includes Julian date of shipment, receiving installation, and Transportation Control Number (TCN).

(2) A report from this database will be printed at the end of each month to show the status of waste munitions stored at the ALS. In addition, a copy of the report shall be submitted to the Environmental Branch and Fire Department within 5 days after the end of each month. Reports are not required when there is not any waste munitions storage. Reports will be kept for 3 years after munitions waste is shipped or de-listed.

c. Waste munitions will be inventoried weekly by ALS personnel IAW RCRA container storage requirements. Records of these inventories will be kept for 3 years.

L-5. Training.

a. Prior to handling waste munitions, all personnel will complete the "Phase 1, Military Munitions Rule (MMR) Training" course provided by the Defense Ammunition Center. In addition, personnel must receive RCRA training annually.

b. This self-paced, computer based course will be given by the Directorate of Logistics through coordination with the Ammunition Surveillance Office. Completion of the course will be documented by the ALS Chief using DD Form 1556 (Certificate of Training) and kept on file at the ALS and Civilian Personnel Operating Center (CPOC). In addition, a copy of the training record and job description of each personnel must be provided to the DPW Environmental Branch.

Glossary

Section 1. Acronyms and Abbreviations

A&E
ammunition and explosives

ACR Ammunition Condition Report	DODAAC Department of Defense Acquisition Account Code
AEC Army Environmental Center	DODIC Department of Defense Identification Code
AHA Ammunition holding area	DOL Directorate of Logistics
ALS Ammunition Logistics Section	DOT Department of Transportation
AMC United States Army Materiel Command	DPTM Directorate of Plans, Training and Mobilization
ANCOC Advanced Noncommissioned Officer Course	DPW Directorate of Public Works
AP Accumulation Point	DSN Defense Service Network
AR Army regulation	DSR Depot Surveillance Record
ARNG Army National Guard	EDD explosive detection dogs
ARPERCEN United States Army Personnel Center	EIB Expert Infantry Badge
ALS Ammunition Logistic Section	Engr engineer
ASP Ammunition Supply Point	EOD Explosive Ordnance Disposal Detachment
Bde brigade	EPA Environmental Protection Agency
Bn battalion	FAE Fuel Air Explosive
BNCOC Basic Noncommissioned Officer Course	FLW Fort Leonard Wood
CONEX container express	FM field manual
CPAC Civilian Personnel Advisory Center	FORSCOM United States Army Forces Command
CPOC Civilian Personnel Operating Center	FTX field training exercise
CTA Common Table of Allowances	FWT fair, wear and tear
CQ Charge of Quarters	FY fiscal year
DA Department of the Army	GS general schedule
DDA Delegated Disposition Authority	HE high explosive
DDESB Defense Explosive Safety Board	HMMWV High Mobility Multi-Purpose Wheeled Vehicle
DOD Department of Defense	HQ Headquarters

HW Hazardous Waste	Pam Pamphlet
IAW In accordance with	PAO Public Affairs Office
ID Identification	PARA Paragraph
IDS Intrusion Detection System	PLDC Primary Leadership Development Course
IOC Industrial Operations Command	POC point of contact
JTX joint training exercise	POI program of instruction
LAO Logistics Assistance Office	POV privately owned vehicle
LAW light anti-tank weapons	PRP Personal Reliability Program
LFX live fire exercise	QASAS Quality Assurance Specialist Ammunition Surveillance
LTC Lieutenant Colonel	RCRA Resource Conservation and Recovery Act
MACOM Major Command	Reg regulation
MANSCEN Maneuver Support Center	ROTC Reserve Officers Training Corps
MDI Modernized Demolition Initiators	SAP Satellite Accumulation Point
MDNR Missouri Department of Natural Resources	SB Supply Bulletin
MILVAN military van	SDO staff duty officer
MILPO Military Personnel Office	SFC sergeant first class
MMR Military Munitions Rule	SGT sergeant
MP Military Police	SMC state marksmanship coordinator
NCO noncommissioned officer	SOP standing operating procedures
NCOIC noncommissioned officer-in-charge	SSG staff sergeant
N.E.W. net explosive weight	TAMIS Training Ammunition Management Information System
NLT not later than	TAMS Training Ammunition Management System
NGR National Guard Regulation	TCN Transportation Control Number
NSN national stock number	TM technical manual
OIC officer-in-charge	

TRADOC
United States Army Training and Doctrine Command

UCMJ
Uniform Code of Military Justice

UIC
unit identification code

USAR
United States Army Reserve

WARS
Worldwide Ammunition Reporting System

WG
wage grade

WO
warrant officer

WP
white phosphorus

Section II. Terms

Allocated items- Items of ammunition in national short supply designated by the Committee of Ammunition Logistics Support (CALS) and CALS controlled items.

Class V- Ammunition and explosives including chemical ammunition items and excluding nuclear weapons.

CONEX- Code name for Container Express which identifies the operation of cargo transporters in a worldwide service under the control of the Joint CONEX Control Agency.

Holding Area- A secure location at a safe distance to other facilities for groups of railcars, trucks, or trailers used to hold ammunition for interim periods prior to storage or shipment.

Net Explosive Weight- The designation, in pounds, of explosives per round to be used in calculating explosive weight and distance limits for storage locations in accordance with DOD 6055.9 STD and DA Pam 385-64.

Reconciliation- Process of accounting for ammunition issued to units by receipt of ammunition returned and verification of expenditures.

Training Ammunition Management Information System- The automatic data processing information system that processes, stores, and retrieves data on authorization and use of training ammunition. The TAMIS database consists of an authorization file and a cost file.