Logistics

Ammunition Peculiar Equipment

Headquarters
Department of the Army
Washington, DC
3 December 2010

SUMMARY of CHANGE

AR 700-20 Ammunition Peculiar Equipment

This major revision, dated 3 December 2010-

- o Assigns responsibilities for Deputy Chief of Staff, G-8 to obtain procurement appropriation resources for the ammunition peculiar equipment program (para 1-4b).
- o Identifies the program executive officer for ammunition to provide staff supervision of the ammunition peculiar equipment program (para 1-4d).
- o Establishes policy for ammunition peculiar equipment used in supporting workload defined in Title 10, United States Code, Sections 4543 and 4544 (para 2-1).
- o Establishes policy for nonstandard ammunition peculiar equipment (para 3-2).
- o Makes administrative changes (throughout).

Effective 3 January 2011

Logistics

Ammunition Peculiar Equipment

By Order of the Secretary of the Army:

GEORGE W. CASEY, JR. General, United States Army Chief of Staff

Official:

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History. This publication is a major revision.

Summary. This regulation implements DODD 5160.65, DODI 5160.68, and Joint Ordnance Commanders Group Joint Conventional Ammunition Policies and Procedures to execute and manage the ammunition peculiar equipment program. It delineates authority, policy, and method for providing ammunition peculiar equipment and expands on the costs associated with requisitioning equipment, parts, kits, and assemblies. It clarifies and updates policy on the use of ammunition peculiar equipment by defense contractors. It addresses the lead time identifying program

needs and budget requirements and provides information regarding safety approval of locally fabricated equipment.

Applicability. This regulation applies to the active Army, the Army National Guard/Army National Guard of the United States, and the U.S. Army Reserve, unless otherwise stated.

Proponent and exception authority. The proponent of this regulation is the Deputy Chief of Staff, G-4. The proponent has the authority to approve exceptions or waivers to this regulation that are consistent with controlling law and regulations. The proponent may delegate this approval authority, in writing, to a division chief within the proponent agency or its direct reporting unit or field operating agency, in the grade of colonel or the civilian equivalent. Activities may request a waiver to this regulation by providing justification that includes a full analysis of the expected benefits and must include formal review by the activity's senior legal officer. All waiver requests will be endorsed by the commander or senior leader of the requesting activity and forwarded through their higher headquarters to the policy proponent. Refer to AR 25-30 for specific guidance.

Army internal control process. This regulation contains internal controls and identifies key internal controls that must be evaluated (see appendix B).

Supplementation. Supplementation of this regulation and establishment of command and local forms are prohibited without prior approval from the Deputy Chief of Staff, G–4 (DALO–SUM), Washington, DC 20310–0500.

Suggested improvements. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to the Deputy Chief of Staff, G–4 (DALO–SUM), Washington, DC 20310–0500.

Distribution. This publication is available in electronic media only and is intended for command levels C, D, and E for the active Army, the Army National Guard/Army National Guard of the United States, and the U.S. Army Reserve.

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Glossary

Chapter 1 Introduction

1-1. Purpose

This regulation establishes the ammunition peculiar equipment (APE) and ammunition gage programs. Prescribes authority, policy, and methods for providing worldwide APE to support ammunition operations. These include surveillance, demilitarization, maintenance, renovation, modification, packaging, and preservation. Gives HQDA the means to provide this equipment and establish the goals, policies, and duties for the management, development, supply, and proper utilization of APE.

1-2. References

Required and related publications and prescribed and referenced forms are listed in appendix A.

1-3. Explanation of abbreviations and terms

Abbreviations and special terms used in this regulation are explained in the glossary.

1-4. Responsibilities

- a. Deputy Chief of Staff, G-4. The DCS, G-4 (DALO-SUM) will prescribe policy and provide staff direction and guidance for the APE program.
- b. Deputy Chief of Staff, G-8. The DCS, G-8 will obtain procurement appropriation resources for the APE program and direct the resources to the program executive office for ammunition.
- c. Commanding General, U.S. Army Materiel Command. The CG, AMC will provide life cycle acquisition and logistics support guidance and direction for sustainment of the APE program.
 - d. Program executive officer for ammunition. The PEO for ammunition will-
- (1) Provide staff supervision of the APE program through the project manager, Joint Services, and the product manager for demilitarization (SFAE-AMO-JS-D).
 - (2) Review planned APE projects and determine funding release for procurement projects.
 - (3) Review and provide guidance for the execution of the APE program.
 - e. Commanding General, U.S. Army Joint Munitions Command. The CG, JMC will-
 - (1) Manage and execute the APE and ammunition gage programs.
- (2) Compile APE needs and develop and rate economic program analysis involving engineering studies, production improvements, prototype development, establishment of priorities, periodic reassessment of engineering growth, and the identification of resource needs for executing the APE program.
 - (3) Establish and maintain a 5-year program, including budget needs and proposed distribution of equipment.
- (4) Assure that inspections and inventories are made as necessary, and establish appropriate records of status, and location of all equipment worldwide.
- (5) Control the technical design, testing, documentation, and modification of APE items. Provide final approval for all APE items.
 - (6) Direct movement of all APE and ammunition gages.
 - (a) Keep accounts for all APE end items and ammunition gages loaned to the U.S. Army and other military users.
 - (b) Monitor inventory records for all APE and ammunition gages loaned to defense contractors.
- (7) Direct the disposition of APE and ammunition gages that are declared excess to Army requirements, or that are not economically repairable.
 - (8) Establish and maintain a configuration control program for APE.
- (9) Review all requests for approval of locally developed and modified nonstandard APE, obtain engineering and safety approval for items, and assign identifying numbers to the equipment.
 - (10) Provide assistance with pre-installation, and train personnel to be qualified operators.
- (11) Provide final safety approval for all APE and nonstandard APE items with low residual hazards. Residual hazards will be determined using AR 70–1, table 1–1, and severity and probability definitions from MIL–STD–882D, tables A–I and A–II. The APE and nonstandard APE items with medium and high-residual hazards will be returned for redesign to assure that the hazard is reduced to low residual risk.
- f. Commanders of continental United States and outside the continental United States activities. Commanders of CONUS and OCONUS activities using APE will—
- (1) Maintain a central control file and report condition, deficiencies, and location. Entry into the central control file will be by type of APE, and will include—
 - (a) The APE part number.
 - (b) The APE model number.
 - (c) The APE serial number.
 - (2) Assure timely accomplishment of user maintenance and comply with shipping, storage, use, and inspection

procedures in appropriate operational manuals, properly storing and preserving equipment during idle periods per TM 43–0001–47, and assigning and reporting proper condition codes reflecting true condition per AR 725–50. The APE needing maintenance beyond that allowed in operational manuals will be reported to Commander, U.S. Army Joint Munitions Command (AMSJM–LID), 1 Rock Island Arsenal, Rock Island, IL 61299–6000 for instructions.

- (3) Assure APE is not modified or shipped without approval of the Commander, JMC.
- (4) Assure standard APE is not available in the supply system before seeking approval to make nonstandard APE locally.
- (5) Request disposition instructions from the Commander, U.S. Army Joint Munitions Command (AMSJM-LID), 1 Rock Island Arsenal, Rock Island, IL 61299–6000 for all APE end items, parts, kits, and ammunition gages that are no longer required.
- (6) For commanders of OCONUS activities, identify APE requirements in support of ammunition surveillance, and ammunition maintenance operations being conducted on U.S. munitions at U.S.-funded as well as host nation or North Atlantic Treaty Organization-funded facilities.

1-5. Objectives

The objectives of the APE and ammunition gage programs are as follows:

- a. Provide a worldwide, centralized source of standard, modern, safe, reliable, and environmentally acceptable equipment for ammunition operations.
- b. Prevent damage to ammunition or related facilities, as well as injury to personnel as a result of unauthorized or improper equipment design, use, or modification.

Chapter 2

Ammunition Peculiar Equipment Acquisition Responsibilities and Policies

2-1. Military users

- a. Army users will receive APE, gages, and noncommercial repair parts on a free-issue loan basis. Military users other than Army will receive APE as outlined in Joint Conventional Ammunition Policies and Procedures (JCAPP) 6.
- b. Any APE and gage requirements will be financed by procurement ammunition, Army appropriation as defined in DFAS-IN Manual 37–100. The shipping installation will finance packaging, crating, handling, and transportation (PCH&T) costs for shipping Army-owned APE and ammunition gages from Government-operated installations and activities. Funding issued for PCH&T of ammunition may generally be utilized for PCH&T of ammunition gages and APE.
- c. The APE and ammunition gages may be loaned to Government-operated Army installations for indefinite periods to accomplish depot type operations and Army retail ammunition supply point operations. The APE will remain on JMC accountable records; using installations will establish a central control file for each item of APE and ammunition gage.
- (1) The APE end items and ammunition gages that are loaned to using units or organizations on a temporary or loan basis will be by hand receipt and accounted for in accordance with AR 710–2.
- (2) The kits, component parts, assemblies, and nonstandard APE (locally fabricated) will be accounted for at the unit and/or installation level following procedures outlined in AR 710–2.
- d. The user is responsible for maintaining the APE. All APE will be condition coded to reflect true serviceability per AR 725–50. The cyclic inspection, care of materiel in storage, APE shipping and receiving, as directed by the CG, JMC will be programmed and funded by the appropriate work authorization document, using the accounting structure in DFAS–IN Manual 37–100.
 - e. The equipment funded and issued under this regulation is exempt from the acquisition provision of AR 25-1.
- f. The users will submit reports of deficiencies in equipment and recommendations for improvement to Headquarters, JMC (AMSJM-LID). The responsible design activity will promptly investigate these reports.
- g. For equipment needs that are identified too late to be entered into the 5-year budget cycle, the user may be required to provide funding to obtain the equipment.
- h. The APE returning to the Army from all customers will be condition coded and returned to like new condition by the APE mission depot prior to reissue.
- i. The using installation will report associated APE to Headquarters, JMC (AMSJM-LID) for disposition within 3 months of completion of the ammunition operation utilizing APE.
- j. The APE located at Army industrial facilities (plants, arsenals, depots) as defined by 10 USC 4543 and 10 USC 4544 may be used in performance of services sold outside of the Department of Defense as long as—
- (1) The condition of the equipment is ascertained by JMC mission depot inspection prior to start of work on the sold service work and again at the conclusion of the sold service work. All costs (including labor and parts) required to return the APE to at least the condition prior to the start of the sold service work will be borne by the buyer of the

service. All variable costs for maintaining the APE during performance of the service contractor will be charged to the buyer of the service.

- (2) All PCH&T costs required to ship the APE from the mission depot to the performing facility will be borne by the buyer of the services.
- (3) The APE will be shipped from the performing facility to the APE mission depot upon completion of the work and/or services. All PCH&T costs required to ship the APE from the performing facility to the APE mission depot will be borne by the buyer of the work and/or service.

2-2. Commercial and other users

- a. The APE may be loaned to Government-owned, contractor-operated installations and activities. It will be loaned primarily to support depot type operations, and may augment production machinery when needed. Accountability for this equipment will rest with the contractor as defined in the contract. The JMC will maintain inventory records of APE and ammunition gage assets at contractor facilities.
- b. The APE may be loaned to defense contractors pursuant to performance on contracts with a DOD element when considered in the best interest of the government. No modification will be made on APE without the authorization of the JMC APE office. Sale of APE to defense contractors will be in accordance with FAR 45.6 and DFARS 245.6.
- c. The APE will not be included in the layaway of industrial facilities or manufacturing lines, and will remain available at all times for movement or issue as determined by the JMC.
- d. The APE will only be included as government furnished equipment in government contracts if preapproved by JMC, AMSJM-LID, and only if quantifiable consideration is identified in the contract. The APE may only be government furnished equipment to a contractor on a noninterference basis with current and planned organic programs. At the completion of the contract, decontamination (removal of explosive and/or hazardous substances) of APE will be performed by the contractor in accordance with JCAPP 11. Any PCH&T costs for the return of equipment to the APE mission depot will be the responsibility of the contractor.
- e. In contracts where (by contract statement) all program costs are to be borne by the service contract (for example, indefinite delivery and/or indefinite quantity contracts), APE identified in the contract will be furnished on "where is, as is" basis. The contractor will obtain unique repair parts and technical support from the JMC APE program office on a reimbursable basis.
- f. Any APE that is not required to support Army programs may be sold to authorized parties and contractors that possess the appropriate Bureau of Alcohol, Tobacco, and Firearms or other required licenses for munitions processing. Sales will include an end use statement in accordance with DOD 4160.21–M. The decontaminated procedures will be in accordance with JCAPP 11, prior to sale or release of APE.
- g. A list of APE equipment can be found at the APE Web site (https://www4.osc.army.mil/apems3_catalog/index.aspx).

Chapter 3 Requirements and Requisitioning

3-1. Ammunition peculiar equipment and gage requirements

- a. Addresses. All requirements will be sent by letter or electronic mail (rock-amsjm-lid@conus.army.mil) to Commander, U.S. Army Joint Munitions Command (AMSJM-LID), 1 Rock Island Arsenal, Rock Island, IL 61299-6000.
- b. Budgeting. For budgeting purposes, the user will submit firm APE and gage requirements not later than 30 September, 12 months before the fiscal year of intended use. Requirements will consist of APE model number, quantity required of each model, and the ammunition operation the equipment will be used on. Requirements for gages will consist of quantity, national stock number, and part number.
 - c. Requisitioning.
- (1) For APE (excluding repair parts) submit a letter or electronic mail to Commander, U.S. Army Joint Munitions Command (AMSJM-LID), 1 Rock Island Arsenal, Rock Island, IL 61299–6000 with the following:
 - (a) The APE model number.
 - (b) Quantity and priority.
- (c) Justification for equipment. (Cite the ammunition operation to be accomplished and identify rounds of ammunition by type and model that will be processed with the APE.)
 - (d) Supplementary address of receiving installation.
 - (e) Length of loan requested.
- (2) For APE repair parts, kits, and assemblies, submit a requisition to the Commander, U.S. Army Joint Munitions Command (AMSJM-LID), 1 Rock Island Arsenal, Rock Island, IL 61299-6000 using the manual procedures in AR 725-50.

- (3) For ammunition gages, submit a letter or electronic mail to the Commander, U.S. Army Joint Munitions Command (AMSJM-LID), 1 Rock Island Arsenal, Rock Island, IL 61299-6000 with the following:
 - (a) Ammunition gage national stock number or part number.
 - (b) Quantity and priority.
 - (c) Justification for equipment.
 - (d) Supplementary address of receiving installation.
- (e) Gages determined to be excess to requirements or unserviceable will be reported to Commander, U.S. Army Joint Munitions Command (AMSJM-LID), 1 Rock Island Arsenal, Rock Island, IL 61299-6000 for disposition instructions.
- (f) Inspection and certification of gages will be performed at the prescribed intervals and passes outlined in TB 43-180.

3-2. Nonstandard ammunition peculiar equipment

Requests for approval of local design, fabrication, and use of nonstandard APE (special jigs, wrenches, and fixtures not normally provided under the APE program) will be submitted to Commander, U.S. Army Joint Munitions Command (AMSJM-LID), 1 Rock Island Arsenal, Rock Island, IL 61299–6000. In case of emergency need for the equipment, the approval request may be made by telephone and followed up with a written request within 10 days. The following will be submitted with the request:

- a. Installation approved drawings or photographs.
- b. A narrative description of what the equipment will do, along with an assessment of hazards. Hazards will be determined using AR 70–1, table 1–1, using severity and probability definitions from MIL–STD–882D, tables A–I and A–II.
- c. The installation that requires nonstandard APE will finance all costs associated with the fabrication and maintenance of the nonstandard APE.

3-3. Equipment deficiencies

- a. The main objective of reporting APE deficiencies is to control and correct safety, operations, reliability, durability, maintenance, and quality deficiencies identified by users of fielded APE.
- b. Using installations will report APE deficiencies to Commander, U.S. Army Joint Munitions Command (AMSJM-LID), 1 Rock Island Arsenal, Rock Island, IL 61299-6000 by letter or electronic mail (rock-amsjm-lid@conus.army.mil).
- c. The installation that requires nonstandard APE will finance all costs associated with the fabrication and maintenance of the nonstandard APE.

3-4. Equipment modification

Equipment modification or deviation requests for approval of local APE modifications or deviations will be sent to the Commander, U.S. Army Joint Munitions Command (AMSJM-LID), 1 Rock Island Arsenal, Rock Island, IL 61299–6000. Include the following in the request:

- a. Description of condition.
- b. Rationale for modification or deviation.
- c. Specific duration of the modification or deviation.
- d. Precautions that will be taken to achieve safety in operation during the period of use.
- e. An assessment of hazards and instituted countermeasures in accordance with AR 70–1, table 1–1, using severity and probability definitions from MIL-STD-882D, tables A–I and A–II.

Appendix A References

Section I

Required Publications

AR 25-1

Army Knowledge Management and Information Technology Management (Cited in para 2-1e.)

AR 70-1

Army Acquisition Policy (Cited in paras 1-4e(11), 3-2b, 3-4e.)

AR 710-2

Supply Policy Below the National Level (Cited in paras 2-1c(1), 2-1c(2).)

AR 725-50

Requisitioning, Receipt, and Issue System (Cited in paras 1-4f(2), 2-1d, 3-1c(2).)

MIL-STD-882D

Standard Practice for System Safety (Cited in paras 1–4*e*(11), 3–2*b*, 3–4*e*.) (Available at https://assist.daps.dla.mil/quicksearch/.)

Section II

Related Publications

A related publication is a source of additional information. The user does not have to read it to understand this publication. Joint Conventional Ammunition Policies and Procedures (JCAPP) publications are available at https://www6.osc.army.mil/jg.

AR 71-32

Force Development and Documentation-Consolidated Policies (Available at http://www.apd.army.mil/.)

DOD 4160.21-M

Defense Materiel Disposition Manual (Available at http://www.dtic.mil/whs/directives.)

DODD 5160.65

Single Manager for Conventional Ammunition (SMCA) (Available at http://www.dtic.mil/whs/directives.)

DODI 5160.68

Single Manager For Conventional Ammunition (SMCA): Responsibilities of the SMCA, the Military Services, and United States Special Operations Command (USSOCOM) (Available at http://www.dtic.mil/whs/directives.)

TB 43-180

Calibration and Repair Requirements for the Maintenance of Army Materiel (Available at https://www.logsa.army.mil/etms/online.cfm.)

TM 43-0001-47

Army Equipment Data Sheets, Ammunition Peculiar Equipment (APE) (Available at https://www.logsa.army.mil/etms/online.cfm.)

10 USC 4543

Army industrial facilities: sales of manufactured articles or services outside Department of Defense (Available at http://uscode.house.gov/search/criteria.shtml.)

10 USC 4544

Army industrial facilities: cooperative activities with non-Army entities (Available at http://uscode.house.gov/search/criteria.shtml.)

DFARS 245.6

Reporting, Redistribution, and Disposal of Contractor Inventory (Available at http://farsite.hill.af.mil/.)

DFAS-IN Manual 37-100

The Army Management Structure Fiscal Year (Available at http://asafm.army.mil/.)

FAR 45.6

Reporting, Reutilization, and Disposal (Available at http://farsite.hill.af.mil/.)

JCAPP 6

Maintenance (Available at https://www6.osc.army.mil/jg.)

JCAPP 7

Demilitarization and Disposal (Available at https://www6.osc.army.mil/jg.)

JCAPP 11

Safety (Available at https://www6.osc.army.mil/jg.)

Section III

Prescribed Forms

This section contains no entries.

Section IV

Referenced Forms

Except where otherwise indicated below, the following forms are available as follows: DA Forms are available on the Army Publishing Directorate Web site (http://www.apd.army.mil). DD Forms are available from the OSD Web site (http://www.dtic.mil/whs/directives/).

DA Form 11-2

Internal Control Evaluation Checklist

DA Form 2028

Recommended Changes to Publications and Blank Forms

Appendix B

Internal Control Evaluation Checklist

B-1. Function

This checklist is to provide guidance for the conduct of the management of the APE and ammunition gage programs.

B-2. Purpose

This checklist is to assist APE senior managers in evaluating agency performance for the Army's APE and ammunition gage programs.

B-3. Instructions

Answers must be based upon the actual testing of controls (for example, document analysis, direct observation, interviewing, sampling, and/or others). Answers that indicate deficiencies must be explained and the corrective action indicated in the supporting documentation. These internal controls must be evaluated at least once every 5 years and then certified on DA Form 11–2 (Internal Control Evaluation Certification).

B-4. Test questions

- a. Did the JMC establish priorities and identify the recourses that are required for the APE and ammunition gage programs to the PEO for ammunition?
- b. Did PEO for ammunition evaluate and provide support to JMC in support of the Army's APE and ammunition gage programs?
 - c. Does JMC maintain a 5-year program requirement for the Army's APE and ammunition gage programs?
- d. Was oversight, overall direction, and guidance provided by AMC for the management of Army's APE and ammunition gage programs?

B-5. Supersession

This is an initial evaluation for the ammunition peculiar equipment program.

B-6.

Help make this a better tool for evaluating management controls. Submit comments to the Deputy Chief of Staff, G-4 (DALO–SUM), 500 Army Pentagon, Washington, DC 20310–0500.

Glossary

Section I

Abbreviations

AMC

U.S. Army Materiel Command

APF

ammunition peculiar equipment

AR

Army regulation

CG

commanding general

CONUS

continental United States

DCS, G-4

Deputy Chief of Staff, G-4

DCS, G-8

Deputy Chief of Staff, G-8

DFARS

Defense Federal Acquisition Regulation Supplement

DFAS_IN

Defense Finance and Accounting Service - Indianapolis Center

DOD

Department of Defense

FAR

Federal Acquisition Regulation

HQDA

Headquarters, Department of the Army

JCAPP

Joint Conventional Ammunition Policies and Procedures

JMC

U.S. Joint Munitions Command

MIL-STD

military standard

OCONUS

outside the continental United States

PCH&T

packaging, crating, handling, and transportation

PEO

program executive officer

TB

technical bulletin

TM

technical manual

USC

United States Code

Section II

Terms

Ammunition gage

An instrument used for measuring dimensions for specific tolerances and procured or loaned to support surveillance and maintenance operations.

Ammunition peculiar equipment

Consists of equipment, systems, and processes that are not commercially available and require approval or certification for use in hazardous or explosive operations. The APE is used to support conventional and chemical ammunition maintenance, surveillance, demilitarization, and testing type operations.

Nonstandard ammunition peculiar equipment

Special tools, fixtures, and jigs designed and made locally by users for use in ammunition operations.

Section III

Special Abbreviations and Terms

This section contains no entries.

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