

Department of the Army
Pamphlet 700-19

Logistics

Procedures of U.S. Army Munitions Reporting System

Headquarters
Department of the Army
Washington, DC
18 January 2007

UNCLASSIFIED

SUMMARY of CHANGE

DA PAM 700-19
Procedures of U.S. Army Munitions Reporting System

This major revision, dated 18 January 2007--

- o Updates processes for Worldwide Ammunition Reporting System-New Technology (para 2-3).
- o Provides the standardized record format for wholesale and retail asset data reporting (para 3-2).
- o Provides reporting procedures for units reporting property book unit supply enhanced data to Worldwide Ammunition Reporting System during deployment (para 3-2k).
- o Provides guidance on reporting serial number tracking data for controlled inventory item code, Code I shoulder fired rockets and missiles (chap 4).
- o Provides updated guidance for reporting performance data for missiles and large rockets fired during testing and training (chaps 6 through 13).

Logistics

Procedures of U.S. Army Munitions Reporting System

By Order of the Secretary of the Army:

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otherwise stated. Specifically, this pamphlet applies to all major Army commands; major subordinate commands; continental U.S. depots, plants, and arsenals; elements conducting life cycle testing, testing and troop training; and activities assigned responsibilities. Major Army commands or activities that are tenants on installations providing automated support under host and tenant agreements will rely on the host to meet reporting requirements (excluding missile firing data reports). This regulation contains reporting requirements for both peacetime and times of mobilization.

Proponent and exception authority. The proponent of this pamphlet is the Deputy Chief of Staff, G-4. The proponent has the authority to approve exceptions or waivers to this pamphlet 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 pamphlet 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 further guidance.

Suggested improvements. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to Commander, U.S. Army Joint Munitions Command (SFSJM-BDP), Rock Island, IL 61299-6000.

Distribution. Distribution of 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.

History. This publication is a major revision.

Summary. This pamphlet implements reporting systems for issues, receipts, expenditures, and firing attempts for Class V materiel. It also implements requirements in DOD 5100.76-M regarding safeguarding of munitions in use, in-transit, and in storage.

Applicability. This pamphlet applies to the Active Army, the Army National Guard/Army National Guard of the United States, and the U.S. Army Reserve, unless

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Glossary

Chapter 1

Worldwide Ammunition Reporting System Report Control System

1-1. Purpose

This Department of the Army pamphlet (DA Pam) provides reporting procedures for the Worldwide Ammunition Reporting System (WARS), preparing the WARS Reports and preparing Missile Firing Data Reports.

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 pamphlet are explained in the glossary.

Chapter 2

Preparation of Reports

2-1. Companion Army regulation

Policies, responsibilities, and guidelines for reporting issues, receipts, and expenditures of Class V materiel (that is, Ammunition (Army) Commodity Classification) are contained in AR 700-19.

2-2. Description

a. The following reports are available in the WARS:

- (1) Worldwide Ammunition Requirements and Assets Reports, Part I-A, C, and J.
- (2) Worldwide Ammunition Inspection and Lot Number Reports (Serviceability), Part III-A through F. (Part III-C not used).
- (3) Worldwide Ammunition Readiness Report, Part IV.
- (4) Ammunition Test Requirements and Expenditures Report, Part V.
- (5) Worldwide Unique Item Tracking Module (Munitions), Part VI.

b. The principal characteristics of the WARS are common input and output formats, reporting cut off dates, and a central database. This data is processed for publication and worldwide distribution.

c. Each activity submitting data may receive reports upon request.

d. Each reporting Army Command, U.S. Army Materiel Command (AMC), and Headquarters, Department of the Army (HQDA) designates an action officer to act as a focal point on WARS matters.

2-3. Submission procedures

a. Formats of reports. Feeder data will be submitted daily in the record format described in chapter 3, below.

b. Reporting dates.

(1) Table 2-1, below, contains a schedule of due dates for field commands to submit feeder reports to Joint Munitions Life Cycle Management Center (JMLCMC). It also contains the publication dates of the consolidated WARS Reports.

(2) The due date for receipt of feeder data and publication of reports during a mobilization or emergency period will be in calendar days. During peacetime, due dates will be in terms of working days (based on a standard 5-day work week). Notification of the change from working days to calendar days after the cut off date will be made by the WARS manager.

Table 2-1
Report frequency due dates

Document	Frequency	From	Cut off date	To	Due date
Requirements and Assets Report Feeder Report (Parts I-A)	Monthly	Reporting activities	End of each calendar month	JMLCMC	Daily
Requirements and Assets Report (Part I-A)	Monthly	JMLCMC	None. Distribution 18th day after cut off		
Requirements and Assets Reports (Part I-C)	Monthly	JMLCMC	None. Distribution 15th day after cut off		
Prep Ship Report (Part I-J)	Monthly	JMLCMC	None. Distribution 15th day after cut off		
Feeder Report (Part III)	Monthly	Government-owned, contractor-operated (GOCO) and Contractors	End of each month	JMLCMC	Last working day of month
Inspections and Lot Number Reports (Part III A-F) (III-C not used)	Monthly	JMLCMC	None. Distribution 15th day after cut off		
Ammunition Readiness Assessment Reports (Part IV) war reserve stocks allies (WRSA)	Monthly	JMLCMC	None. Distribution 15th day after cut off		
Test Requirements Feeder Report (Part V-I)	Monthly	Reporting activities	End of each month	JMLCMC	Last working day of month
Test Requirements Feeder Report (Part V-II)	Semiannual	Reporting activities	End of Feb and Sep	JMLCMC	1 Mar and 1 Oct
Standard Army Ammunition System (SAAS)-Ammunition Supply Point (ASP) Transaction Reports	Daily	Reporting SAAS-ASP	Daily	SAAS-Materiel Management Center (MMC)	When there is activity at the SAAS-ASP
SAAS-MMC Transaction Reports	Daily	Reporting SAAS-MMC	Daily	WARS	Daily
Ammunition basic load and operational load	semimonthly	Unit property books	1st and 15th of the month	WARS	9th and 27th of the month
National (wholesale) depot level activity	Daily	WARS	Daily	WARS	Daily

2-4. Worldwide Ammunition Requirements and Assets Reports (Part I)

a. The Worldwide Ammunition Requirements and Assets Report is designed to provide the worldwide logistical data required for budget estimates, supply studies, allocations, testing requirements, distribution planning, procurement initiation, scheduling, readiness assessment, and various other logistical factors applicable for conventional ammunition and guided missiles and large rocket (GMLR) items.

b. Paragraphs 2-5 through 2-7, below, provide instructions for preparing the Worldwide Ammunition Requirements and Assets Reports. In Part I, the commander's statement of requirements are those assets necessary to perform the mission and become programming requirements once validated by HQDA, Deputy Chief of Staff, G-3/5/7 (DCS, G-3/5/7) (DAMO-TRA).

2-5. The Worldwide Ammunition Requirements and Assets Report, Part I-A, Monthly Report

The WARS Office JMLCMC is responsible for the preparation, finalization, publication, and distribution of this report. The DCS, G-3/5/7 (DAMO-TRA) validates all requirements. Only validated requirements will be entered into WARS. Questions concerning preparation and distribution of the report should be addressed to: Commander, US Army Joint Munitions Life Cycle Management Center, ATTN: SFSJM-BD, 1 Rock Island, IL 61299-5500.

- a. The Part I-A Report will be published as noted in table 2-1, above.
- b. The 2-section linear or columnar format is as follows:
 - (1) Section I-Requirements/assets.
 - (2) Section II-Remarks.
- c. The report consists of conventional ammunition in prime Department of Defense ammunition code (DODAC) order followed by GMLR items in prime DODAC order. Each prime DODAC page consists of a heading and 2 sections.
- d. The heading contains prime DODAC, secondary DODAC and nomenclature of the prime item, unit of report, and period of report.
- e. Section I contains the requirement and asset data reported by the U.S. Army commands (ACOMs) and JMLCMC continental United States (CONUS) depots. Only HQDA, DCS, G-3/5/7 validated requirements will be entered into the report as follows:
 - (1) Section I will have 10 major columns containing the following information:
 - (a) Activity/purpose.
 - (b) Stockage objective.
 - (c) On hand serviceable (condition codes A, B, C, and D).
 - (d) On hand unserviceable (all unserviceable condition codes other than H).
 - (e) On hand total (condition codes E and N).
 - (f) In-process.
 - (g) In-transit to.
 - (h) In-transit in.
 - (i) Received during the reporting period.
 - (j) Issued during the reporting period.
 - (2) Lines for each ACOM will include—
 - (a) Army pre-positioned stocks (when applicable).
 - (b) Unit basic load.
 - (c) Unit basic load issued.
 - (d) Unit operational load issued.
 - (e) Others.
 - (f) Training.
 - (g) Total.
 - (3) The data for CONUS depots will be rolled together and will include the following lines:
 - (a) General issue.
 - (b) Army preposition stocks 1.
 - (c) Parachute rigged.
 - (d) Foreign military sales (FMS).
 - (e) Basic load non-to accompany troops.
 - (f) Operational project.
 - (g) Special defense acquisition fund.
 - (h) Excess assets.
 - (i) FMS intended.
 - (j) Others.
 - (k) Total depot/plant/arsenal/contractor
 - (4) Section I will have the following total lines:
 - (a) Army total worldwide (U.S. owned).
 - (b) Army WRSA Korea-TR7.
 - (c) WRSA Japan-TR7.
 - (d) Total WRSA-TR7.
 - (e) WRSA Thailand.
 - (f) WRSA countries.
 - (g) Total worldwide.
 - (h) Total Army assets worldwide (total for columns identified in paragraph 2-5e(1)(c) through (h), above.

- f. Section II contains remarks. These remarks should clarify entries in the report.
- g. On hand assets within reporting commands will be stratified within the Report Control System CSGLD-1322 (R1) MIN as follows:
 - (1) Application of assets to fill basic load stockage objective, operational projects, Army pre-positioned stocks, and training requirements.
 - (2) Assets in excess of requirements should be stratified in the training account where training requirements exist. In cases where no training requirements exist, excess assets should be stratified in other accounts where requirements for these assets exist.
 - (3) In some isolated cases, when there are assets on hand for which no requirements exist, these assets should be stratified in the training account.
 - (4) An exception to (3), above, is if assets are on hand for which no requirements exist; however, the assets can be applied as an acceptable substitute to an item that has a shortage.

2-6. Worldwide Ammunition Cost and Tonnage Report (Part I-C)

- a. The report will show, by ACOM and CONUS depots, the total tonnage and dollar value for the applicable elements listed below—
 - (1) Stockage objective.
 - (2) On hand serviceable.
 - (3) On hand unserviceable or repairable.
 - (4) On hand total E and N.
 - (5) In-process.
 - (6) In-transit to theater.
 - (7) In-transit in theater.
 - (8) Receipts during the reporting period.
 - (9) Issues during the reporting period.
 - (10) Worldwide totals.
- b. The report will be compiled at JMLCMC. Data to compute the report will be extracted from the transaction data received from the monthly Requirements and Assets Report. Weight and cost factors will be the individual item cost and weight for each applicable Department of Defense identification code (DODIC), and will be included in the master data record at JMLCMC and used to compute tonnage and cost data. These cost factors are for planning purposes only and are not to be used for pricing.
- c. The Worldwide Cost and Tonnage Report will include an all items roll-up section for conventional and GMLR.
- d. The Family Grouping Report will also contain ton and cost pages for each of the following groups:
 - (1) *Conventional.*
 - (a) Small arms through 40mm.
 - (b) 57/75/76mm.
 - (c) Mortars.
 - (d) Tanks.
 - (e) 105mm Howitzer.
 - (f) 155mm Howitzer (including propelling charges and primers).
 - (g) 165/175 and recoilless rifle (90mm, 105mm, and 106mm).
 - (h) Grenades.
 - (i) Rockets.
 - (j) Mines.
 - (k) Riot control/smoke pot/thickener.
 - (l) Demolition/crypto equipment/cartridge actuated devices and propellant actuated devices (PAD).
 - (m) Signals/simulators.
 - (n) Fuzes.
 - (o) Non-lethal munitions.
 - (2) *Guided missiles and large rockets.*
 - (a) Phased array track intercept of target (PATRIOT).
 - (b) Stinger basic/post.
 - (c) Stinger test.
 - (d) Stinger block 1.
 - (e) Stinger residue.
 - (f) Stinger reprogrammable micro processor.
 - (g) Stinger launch simulator.

- (h) Army Tactical Missile System (ATACMS).
 - (i) Dragon test.
 - (j) Dragon practice/training.
 - (k) Dragon residue.
 - (l) Hellfire.
 - (m) Hellfire II.
 - (n) Hellfire practice/training.
 - (o) Multiple Launch Rocket System (MLRS).
 - (p) MLRS practice/training.
 - (q) Tube launched optically tracked wire guided missile (TOW) high-explosive antitank TOW 2A, TOW 2B, TOW Aero.
 - (r) TOW practice/training.
 - (s) JAVELIN.
 - (t) JAVELIN test.
 - (u) JAVELIN residue.
- e. The report will reflect short-ton totals in units of issue as each and dollars in units of thousand.

2-7. Pre-positioned Ship Report (Part I-J)

This report contains listings of the ammunition items on-board the ships for the Army near term pre-positioned force. The report is published monthly to update the dollar value due to changes in catalog cost and/or as required due to downloading and inspection of a ship.

- a. The report is in 3 parts—
 - (1) Part I lists the quantity on-board each ship (by name) and the tonnage and dollar value of the items.
 - (2) Part II lists the total quantity in short tons and dollar value, by DODIC, for all ships.
 - (3) All ships are rolled together by tonnage and dollar value for both conventional and GMLR items.
- b. Conventional and guided missile large rocket items are separated and subtotaled by tonnage and dollar value for each ship.
- c. A total tonnage and dollar value is then computed for all items on all ships.

2-8. Worldwide Ammunition Inspection and Lot Number Report (Parts III-A through III-F) (Part III-C not used)

Part III includes location and condition code of ammunition items by lot number in support of the Worldwide Quality Assurance and Maintenance/Demilitarize (DEMIL) Programs.

- a. Part III includes assets data for—
 - (1) JMLCMC and Aviation and Missile Command (AMCOM) managed assets.
 - (2) Other Services' assets stored in Army CONUS facilities.
 - (3) Assets on-board pre-positioned ships for the rapid deployment force (Army).
- b. Part III is applicable to—
 - (1) Ammunition in the hands of troops (basic load, mission, and training stocks).
 - (2) Active combat areas (depots or ASPs).
- c. Data for this report is generated during surveillance inspections performed in accordance with SB 742-1 and appropriate supply bulletins. Reportable materiel includes all Class V materiel assigned a national stock number (NSN), except nuclear weapons. In addition to items of issue, this includes explosive-filled components and bulk propellants.
- d. Part III consists of 5 reports (Parts III-A through III-F) (Part III-C not used).
 - (1) Part III-A, DODIC, NSN, lot number by location, includes the following data:
 - (a) Command.
 - (b) Department of Defense address activity code (DODAAC) or unit identification code (UIC).
 - (c) DODIC.
 - (d) NSN.
 - (e) Lot number.
 - (f) Condition code (CC).
 - (g) Date of manufacture.
 - (h) Quantity.
 - (i) Year of manufacture.
 - (j) Month of manufacture.
 - (k) Defect or remark codes.
 - (l) Type of storage.

(m) Service ownership.

(n) If a serial numbered item or not.

(o) Date last inspection.

(p) Date next inspection.

(2) Part III–B, DODIC, NSN, lot number by location, reflects the same data as shown in Part III–A. However, it is a consolidated master report of assets from all reporting activities.

(3) Part III–C is not used.

(4) Part III–D, Analysis of unserviceable assets, provides a consolidation of all assets assigned condition codes other than A, B, or C. It provides, by condition codes, an analysis of the remark or defect codes assigned to specific ammunition lots in addition to quantity and location of the lot. Part III–D includes the following data:

(a) DODIC.

(b) NSN.

(c) Lot number.

(d) Quantity.

(e) Type storage.

(f) Defect code #1.

(g) Defect code #2.

(h) Defect code #3.

(i) Defect code #4.

(j) Command/installation name.

(k) DODAAC/UIC/name.

(5) Part III–E, Ammunition Condition and Tonnage Report by location and DODIC, provides the tonnage on hand for each DODIC and condition code by location. Further, it provides the total tonnage by condition code for each theater.

2–9. Worldwide Ammunition Readiness Assessment Report (Part IV)

This report provides a readiness assessment for the status of WRSA assets in the U.S. Army stocks. The report, WRSA Status, is published monthly.

a. This report incorporates data acquired in the WARS database from input to the Requirements and Assets Report. The report consists of a review of the reporting commands' readiness in terms of the following factors:

(1) Requirements and asset availability.

(2) Asset condition.

b. The WRSA Status Report contains 3 sections—

(1) Section I is a summary and represents the dollar value and tonnage of the data elements shown.

(2) Section II is a summary by family. The same family grouping applies to this report as the WARS Part I–C, Tonnage/Dollar Report.

(3) Section III represents the status of each item for which assets are on hand in the WRSA accounts. Quantities are expressed in the same unit of report as in the Requirements and Assets Report. Dollars are expressed in unit of thousand, and short tons are expressed in each (M=Thousand, E=Each).

2–10. Worldwide Ammunition Test Requirements and Expenditures Report (Part V)

This report provides a consolidated 12–month forecast of test expenditures for all of the Department of Army (DA) elements involved in testing and to record actual expenditures of ammunition and components already accepted in the stockpile.

a. This report—

(1) Provides consolidated management information to all elements of DA concerned with achieving effective and efficient testing programs.

(2) Supports planning, programming, budgeting, and funding of ammunition acquisition programs.

(3) Provides consolidated forecasts of testing requirements for multiple DA elements, ACOMs, and major subordinate commands (MSCs).

(4) Records total ammunition testing requirements and expenditures for ammunition and components already accepted into the stockpile as well as test unique items. Test unique ammunition is defined as component parts, subassemblies, special loaded items or assemblies, empty metal parts, reference rounds, and calibration or control rounds used in various phases of testing but not issued to the field Army.

b. The procedure prescribed covers ammunition forecasted or consumed for test and evaluation. Forecasts will include tests to support—

(1) Research, development, testing, and evaluation (RDTE).

(2) Force development testing experimentation.

- (3) User testing.
- (4) Stockpile reliability program testing.
- (5) Technical testing.
- (6) Other DCS, G-3/5/7 validated testing as described in AR 70-10, AR 73-1, and AR 702-6.

c. There are 3 parts to the Test Requirements and Expenditures Reports.

(1) Part V-I, Ammunition Test Requirements and Expenditures Report, will provide a consolidated 12-month forecast of test expenditures for all of the DA elements involved in testing and will record actual expenditures of ammunition expended for test. This report will be generated by JMLCMC from T1-T2 record input (see table 3-5, below). Data elements of the report are—

- (a) Forecasted expenditures.
- (b) Actual expenditures.
- (c) Test site.
- (d) Test type.
- (e) Test purpose.
- (f) Table 2-2, below, provides the test site locations and codes to be used.

Table 2-2
Test support site locations and codes

LOCATION	CODE
Anniston Army Depot	AAD
Aviation Development Test Activity	ADT
Aberdeen Proving Ground	APG
Armament Research Development and Engineering Center	ARC
Unknown at this time	ARL
Unknown at this time	AVY
Naval Weapons Center China Lake, CA	CHL
Camp LeJeune, NC	CLJ
Cold Regions Test Center	CRT
Contractor Facility	CTR
Dugway Proving Grounds	DPG
U.S. Army Test and Evaluation Command (ATEC)-NORTH	DTC
Electronics Proving Ground	EPG
Fallbrook Naval Weapon Test Center	FBK
Federal Republic of Germany	FRG
Fort Shafter, HI	FTS
Hawthorne Army Ammunition Plant (AAP)	HAP
Kwajalein Island RDTE Operational Load	KWJ
Letterkenny Army Depot	LAD
Lake City AAP	LCP
Nicolet Canada	NIC
Naval Ordnance Station Indian Head, MD	NOS
Naval Surface Weapon Center Dahlgren, VA	NSW
Operational Test Center Fort Hood	OTC
Other	OTH
Pueblo automatic data acquisition	PAD
Picatinny Arsenal, NJ	PIC
Rock Island Arsenal	RIA

Table 2-2
Test support site locations and codes—Continued

Scholfield Barrack, HI	SBH
Socorro New Mexico	SOC
Tropic Test Center	TTC
Tonapah Test Site	TTS
Unknown	UNK
Watervliet Arsenal	WAR
Naval Weapons Support Center Crane, IN	WQE
White Sands Missile Range	WSR
Yuma Proving Ground	YPG
Fort Bragg, NC	F16
Fort Campbell, KY	F20
Fort Carson, CO	F22
Fort Devens, MA	F28
Fort Drum, NY	F31
Hunter Army Airfield, GA	F3C
Fort Hood, TX	F41
Fort Sam Houston, TX	F42
Fort Indiantown Gap, PA	F46
Fort Irwin, CA	F47
Fort Lewis, WA	F54
Fort McCoy, WI	F58
Fort McPherson, GA	F60
Fort Meade, MD	F61
Fort Pickett, VA	F71
Fort Polk, LA	F72
Fort Riley, KS	F73
Fort Stewart, GA	F83
Fort Hunter Legitt, CA	F9J
Redstone Arsenal, AL	RSA
Fort Belvoir, VA	T12
Fort Benning, GA	T13
Fort Bliss, TX	T14
Carlisle Barracks, PA	T21
Fort Dix, NJ	T29
Fort Eustis, VA	T32
Fort Gordon, GA	T33
Fort Jackson, SC	T48
Fort Knox, KY	T50
Fort Leavenworth, KS	T52
Fort Lee, VA	T53
Fort Monroe, VA	T65
Fort Rucker, AL	T77
Fort Sill, OK	T82

Table 2-2
Test support site locations and codes—Continued

Fort Leonardwood, MO	T90
Fort Huachuca, AZ	TE3
Fort Monmouth, NJ	TG5
West Point, NY	TL2

(2) Part V-II, Ammunition Test Support Requirements Report, will display test requirements by quarters for the first 2 fiscal years (FYs) and by FY for 4 years and test site, test type, and test purpose by quantity and dollar value. The report will be generated by JMLCMC from T3-T4 record input (see table 3-6, below). Test codes are at table 2-3, below.

Table 2-3
Test proponents and test type codes

Test type	Test code	Proponent
Production acceptance tests		
Weapons and related components	1A	U.S. Army Armament, Research, Development, and Engineering Center (ARDEC)/U.S. Army Tank-Automotive Command (TACOM)-RI
Munitions and related components	1B	ARDEC/TACOM-RI
FMS	1C	ARDEC/TACOM-RI
Depot rebuild and renovation tests		
Weapons and related components rebuild	2A	TACOM-RI/JMLCMC
Munitions and related components renovation	2B	TACOM-RI/JMLCMC
FMS	2C	TACOM-RI/JMLCMC
Munitions surveillance & stockpile reliability (include tests at depots and proving grounds)	03	JMLCMC/ARDEC
Munitions malfunction investigation tests	04	JMLCMC/ARDEC
Product improvement tests		
Weapons and related components	5A	ARDEC/JMLCMC
Munitions and related components	5B	ARDEC/JMLCMC
Other than weapons or munitions	5C	ARDEC/JMLCMC
Firing table development	06	ARDEC/TACOM-RI
Inactive	07	Inactive
In house commodity special testing	09	Research and Development commands ARDEC AMCOM U.S. Army Chemical, Research, Development, and Engineering Command (CRDEC) TACOM-RI TACOM
All developmental type tests required by AR 73-1 including Government qualifications testing by Test and Evaluation Command, which require the utilization of ammunition items and components	10	Research and Development commands ARDEC AMCOM CRDEC TACOM-RI TACOM

Table 2-3
Test proponents and test type codes—Continued

Performance and acceptance tests, which require utilization of ammunition items and components	11	Readiness commands JMLCMC AMCOM TACOM/TACOM-RI ATEC
All user tests	12	ATEC U.S. Army Training and Doctrine Command (TRADOC) The Surgeon General U.S. Army Communication Command U.S. Army Health Services Command U.S. Army Forces Command (FORSCOM) Others (9As designated)

(3) Part V-III, Ammunition Test Support Requirements Report, will display, by FYs 1 through 6, the quantity and dollar value of the items required to support testing programs.

(a) This report applies to—

1. AMC.
2. FORSCOM.
3. TRADOC.
4. AMC MSCs and product and project managers involved in RDTE testing.
5. ATEC.
6. Project managers, product offices, and other agencies and activities involved in the conduct or support of user, technical, or developmental testing.

(b) The report will be for each FY and will include the following:

1. DODIC.
2. Nomenclature.
3. Quantity.
4. Dollar value (\$=000).

2-11. Worldwide Unique Item Tracking Report (Part VI)

The WARS unique item tracking (UIT) central registry maintains Category 1 (CAT I) security risk munitions, as identified in AR 190-11, asset serial number visibility within the Active Army, the Army National Guard/Army National Guard of the United States, the U.S. Army Reserve, and Army Reserve Officer Training Corps.

a. The sources of Class V data to update and maintain record keeping at the WARS UIT central registry is the property book unit supply enhanced (PBUSE) for unit level, SAAS-modernized at the tactical/retail and supply support activity, at the national (wholesale) depot level activity, and production facilities (contractors).

b. All controlled inventory item code (CIIC) I/CAT I non-nuclear missiles and rockets with serial numbers will be reported to the WARS UIT central registry.

c. All CAT I munitions that are introduced into the Army inventory will be reportable to WARS. The requirement to report serial numbers starts when the DD Form 250 (Material Inspection and Receiving Report) is signed by the Army and before shipment to depot. All contractors who provide maintenance support must report receipt, possession, and shipment of CAT I missiles and rockets, by serial number, to WARS.

d. Followup for CAT I munitions in-transit—

(1) The WARS UIT central registry will followup on all in-transit open shipments of CAT I assets. The WARS will send out a report on open shipments of more than 30 days for CONUS shipments and more than 90 days for outside the continental United States (OCONUS) shipments with no receipt confirmation. The receiving supply support activities (SSA) will resolve these discrepancies within 10 working days.

(2) If the WARS UIT central registry receives no response within 10 working days, an electronic message will be sent to the receiving activity with an information copy to the receiving activity's higher headquarters (for example, ACOM) and HQDA, Deputy Chief of Staff, G-4 (DCS, G-4) for prompt resolution and intervention.

(3) If there is a negative or no response to the message within 15 working days, HQDA, DCS, G-4 will direct the ACOM to report the asset(s) as missing, lost, or stolen to the appropriate investigative agency with an information copy provided to the shipping activity to initiate a report of survey.

Chapter 3 Feeder Report Formats

3-1. Asset Record Format–Universal Format Record Type W/A

There are 4 formats for asset reporting to WARS.

3-2. Universal Format Record Type W/A

The preferred format is the Universal Format Record W/A (see table 3-1, below). All reporting systems should be reporting using this format when possible. W/A transaction updates are submitted daily and are based on transaction codes that either add or subtract. A W/A record is required for all Class V. Quantitative fields will be expressed in each with no decimal assumed. This format is currently being reported by SAAS, Logistics Modernization Program (LMP), PBUSE, GOCO, and the test community to meet UIT requirements for CAT I (missile items)

- a. A header line will be the first line in each submission.
 - (1) The batch number should increase each time you submit for the year. The batch number starts over with 000001 at the first of each year. The record count on the header is a 6 position field and must be zero filled.
 - (2) The record count on the header is a 9 position field and must be zero filled.
- b. The DODIC columns 311 through 314 will be entered in the appropriate field whenever possible, but may be blank when no DODIC is available.
- c. The NSN columns 3 through 17, will appear on every transaction. For those items for which neither a NSN or DODIC has been assigned, the national inventory control point (NICP) will be notified by electronic message.
- d. The lot number, columns 18 through 35, is left justified and must be constructed of alpha/numeric characters and hyphens with no interspace. The basic or functional lot number will be entered.
- e. The condition code, column 54 will be assigned per AR 725-50.
- f. The ownership code, column 130, is an alpha/numeric code and will be entered to indicate ownership of assets.
- g. Date of manufacture will be shown as a 4-digit year and a 2-digit month (YYYYMM) of manufacture. When manufacture date is unknown, the field will be zero filled. Columns 86 through 91 must be filled.
- h. The quantity will be reported in units of each, must be numeric without assumed decimal and is right justified. Serial numbered items will have a quantity of 1.
- i. For the remark code or defect, columns, 92 through 97, 98 through 103, 104 through 109, and 110 through 115, the first position identifies the percentage of total quantity of representative sample found to be defective. If the percentage is 100, the position will be coded C. The second and third positions identify the defective assembly or component. The fourth position identifies the classification. The fifth and sixth positions identify the type of defect and special remarks. All condition codes, except A and K, will require at least 1 defect remark code. At least 1 remark code used for the item that is suspended will coincide with the type suspension imposed. The condition codes A and K may reflect remark codes, if appropriate. Fields not used will be left blank.
- j. Type storage, column 138, will be coded as indicated.
- k. PBUSE remarks—
 - (1) PBUSE reporting system will report PBC5 as purpose code 5 and PBC8 as purpose code 0.
 - (2) Units will use the command code of their location and not their parent MMC.
 - (3) Forward deployed units (derivative units) will report to WARS a closure report as referenced in AR 710-2 and AR 700-19. The closure report ends the unit's forward deployment. The WARS Office will check the data base to ensure that the forward unit's assets have a quantity of zero. If asset quantities are not zero, the WARS will set quantities to zero. This will prevent duplicate reporting of assets when the forward deployed unit reunites with the parent unit.
 - (4) WARS will process PBUSE transactions as overlay records.
 - (5) CC A will be assumed.
 - (6) Reporting will be every Wednesday.
 - (7) The transaction code will be PBS.
- l. GOCO facilities without Standard Depot System (SDS).
 - (1) An additional header line is required because the transaction code will be RE3. After initial batch and record count header; add second header line. In columns 59 through 61 RE1 (represents DODIC reconciliation) or RE2 (represents full reconciliation); columns 169 through 174, DODAAC (Iowa-W53H0G; Lone Star-W45H0K; Milan-W38H0N; Pine Bluff-W81NGY) (see table 3-2, below).
 - (2) Reporting will be asset balance once a month to the WARS Office by e-mail with attached text files for up loading or system to system file transfer protocol.
 - (3) The lot number columns 18 through 35 is left justified and must be constructed of alpha/numeric characters and hyphens.
 - (4) Purpose code, column 58, enter A.

(5) Transaction code, columns 59 through 61. Enter RE3 on each transaction line after the second header line (RE1 or RE2).

(6) The ownership code, column 130, alpha/numeric code will be entered to indicate ownership assets.

**Table 3-1
Asset Report format—universal format type W/A**

Item	Data name	Length	Cls	Position	Remarks
1	Transaction format indicator	1	Text	1	Constant W
2	Record type	1	Text	2	Constant A for asset transaction
3	NSN	15	Text	3-17	
4	Lot number	18	Text	18-35	Left justified
5	Serial number	18	Text	38-53	Left justified
6	CC	1	Text	54	
7	Routing identifier code (RIC)	3	Text	55-57	
8	Purpose code	1	Number	58	
9	Transaction code	3	Text	59-61	
10	Transaction/lot quantity	12	Number	62-73	Right justified, zero fill
11	Transaction obligated quantity	12	Number	74-85	Right justified, zero fill
12	Year month manufacture date	6	Number	86-91	YYYYMM
13	Quality defect code	6	Text	92-97	
14	Quality defect code	6	Text	98-103	
15	Quality defect code	6	Text	104-109	
16	Quality defect code	6	Text	110-115	
17	Restriction code	3	Text	116-118	
18	Restriction code	3	Text	119-121	
19	Ammo use code	3	Text	122-124	
20	Ammo use code	3	Text	125-127	
21	Function code	1	Text	128	LMP
22	Acceptance code	1	Number	129	LMP
23	Ammo owner code	1	Text	130	LMP
24	Shelf life	1	Text	131	LMP
25	Shelf life expiration	6	Text	132-137	YYYYMM;LMP
26	Type storage point (SP) code	1	Text	138	
27	Type last inspection code	1	Text	139	
28	Month year last inspection	6	Number	140-145	MMYYYY
29	Type next inspection code	1	Text	146	
30	Month year next inspection	6	Number	147-152	MMYYYY
31	Date time	13	Number	153-165	YYYYDDHHMMSS
32	WARS command code	3	Number	166-168	
33	DODAAC/UIC	6	Text	169-174	Cross reference SP to military organization
34	DODAAC/UIC to/from	6	Text	175-180	Cross reference SP to military organization
35	Document number /transportation control number	17	Text	181-197	
36	Batch number	6	Number	198-203	Batch number, right justified, zero fill

**Table 3-1
Asset Report format—universal format type W/A—Continued**

37	Batch record number	9	Number	204–212	Record number in batch, right justified, zero fill
38	LMP owner/purpose code	1	Text	213	Reserved for LMP
39	Blank	12	Text	214–225	Spaces
40	Training event code	3	Text	226–228	
41		4	Text	229–232	Spaces
42	Recording account code	3	Text	233–235	
43	Transportation item number or container	12	Text	236–247	
44	Crop	12	Text	248–259	
45	Configured load	12	Text	260–271	
46	Storage space code	3	Text	272–274	
47	LMP forward support area routing identifier code	3	Text	275–277	Reserved for LMP
48	Type storage to	1	Text	278	
49	Purpose to	1	Text	279	
50		21	Text	280–300	Spaces
51	SP code	2	Text	301–302	
52	Compatibility group	1	Text	303	
53	Type pack code	2	Text	304–305	
54	Line number	4	Number	306–309	
55	Container indicator	1	Text	310	
56	DODIC	4	Text	311–314	
57	Transaction type	1	Text	315	
58	Turn around indicator	1	Text	316	
59	DODAAC name	12	Text	317–328	
60	Storage site identification (ID)	5	Text	329–333	
61	CC to	1	Text	334	
62	Storage site ID to	5	Text	335–339	
63	Required delivery date–period	3	Text	340–342	
64	SP code to	2	Text	343–344	
65	Project code	3	Text	345–347	
66	Priority designator	2	Number	349–349	
67	RIC to	3	Text	350–352	
68	Request quantity	9	Number	353–361	
69	Account code ammunition to	3	Text	362–364	
70	Mode of shipment	1	Text	365	
71	Actual pull date	7	Number	366–372	
72	Government bill of loading	12	Text	373–384	
73	Secondary document number	14	Text	385–398	
74		3	Text	399–401	Spaces
75	Document identifier code	3	Text	402–404	
76	Total Ammunition Management Information System (TAMIS) installation code	4	Text	405–408	

**Table 3-1
Asset Report format-universal format type W/A-Continued**

77	User ID	10	Text	409-418	
78		82	Text	419-500	Reserved for SAAS

Notes:

¹ Receiver: SAAS MMC/LMP-WARS-Universal.

² Receiver: WARS-GOCO-without SDS, used by Iowa, Lone Star, Milan and Pine Bluff plants.

³ Action: Transaction processing.

**Table 3-2
Asset Report format-universal format type W/A for reconciliation**

Item	Sender: MMC			Receiver: WARS				
	Source: Reconciliation process			Action: Reconciliation process				
	Data name	Len	Cls	Data name	Len	Cls	Posn	Remarks
1	Transaction format indicator	1	Text	Transaction format indicator	1	Text	1	Constant W for LMP
2	Record type	1	Text	Record type	1	Text	2	Constant A for asset transaction
3					56		3-58	Spaces
4	Trans code	3	Text	Trans code	3	Text	59-61	RE 2 (Full recon) or RE1 (DODIC recon)
5					91		62-152	Spaces
6	Date/time	13	Number	Date/time	13	Number	153-165	YYYYDDHMMSS
7					3		166-168	Spaces
8	DODAAC	6	Text	DODAAC	6	Text	169-174	
9					6		175-180	Spaces
10	Doc number	17	Text	Doc number	17	Text	181-197	
11	Batch number	6	Number	Batch number	6	Number	198-203	Batch number in batch, right justified, zero fill
12	Batch record number	9	Number	Batch record number	9	Number	204-212	Record number in batch, right justified, zero fill
13					62		213-274	Spaces
14	LMP forward support area (FSA) RIC	3	Text	LMP FSA RIC	3	Text	275-277	
15					22		278-299	Spaces
16	Ending delimiter	1	Text	Ending delimiter	1	Text	301-500	Spaces
17					200		301-500	Spaces

Notes:

¹ Sender: SAAS MMC/LMP/PBUSE-WARS-universal.

² Receiver: WARS-GOCO-without SDS, used by Iowa, Lone Star, Milan and Pine Bluff plants.

³ Action: Transaction processing.

3-3. Asset Reporting-Record Type A/B Report

The SDS will use Record Type A/B to report. Record Type A/B format is shown in table 3-3, below. The SDS reports only end-of-day balances for transactions processed that day to the WARS database. In the future, the national reporting system will report using the universal format.

a. An A and B type record is required for each transaction, except for a deleting transaction then only the A type record is required.

(1) When changing condition code, a deleting transaction should be submitted before the new condition code transaction.

- (2) Deleting transactions will have a quantity of zero (000000000).
- b. Command code, transaction type indicator, A and B, columns 73 through 75, enter the appropriate 3–digit number contained in table 3–7, below.
- c. The SDS sequence code, transaction type indicator, A and B, columns 76 through 80, will be the same as the A and B type record for each transaction. The sequence code starts with AAAAA and continues through the alphabet. Each new command codes starts a new sequence code making the command code and sequence code unique for each submission.
- d. The NSN transaction type indicator A columns 2 through 16, will appear on every transaction. For those items that for which neither a NSN or DODIC has been assigned, the NICP will be notified by electronic message.
- e. The lot number transaction type indicator A, columns 17 through 32, will be left justified and must be constructed of alpha/numeric characters and hyphens with no interspace. The basic functional lot number will be entered.
- f. The condition code, transaction type indicator A column 33, will be assigned per AR 725–50.
- g. Routing identifier code, transaction type A, columns 34 through 36, owning service.
- h. Date of manufacture, transaction type A, columns 37 through 40, will be shown as 2–digit year of manufacture. When manufacture date is unknown, the field will be zero filled. Columns 37 through 40 must be filled.
- i. The quantity will be reported in units of each, transaction type indicator A, columns 47 through 55, and columns 56 through 64 must be numeric without assumed decimal and right justified and zero filled.
- j. For the remark code or defect, transaction type indicator B columns, 2 through 7, 8 through 13, 14 through 19, and 20 through 25, the first position identifies the percentage of total quantity of representative sample found to be defective. If the percentage is 100, the position will be coded C. The second and third positions identify the defective assembly or component. The fourth position identifies the classification. The fifth and sixth positions identify the type of defect and special remarks. All condition codes, except A and K, will require at least 1 defect remark code. At least 1 remark code used for the item that is suspended will coincide with the type suspension imposed. The condition codes A and K may reflect remark codes, if appropriate. Fields not used will be left blank
- k. The DODIC, transaction type indicator B, columns 53 through 56, will be entered in the appropriate field, but may be blank when no DODIC is available.
- l. The ownership code, transaction type indicator B, column 72, is alpha/numeric and will be entered to indicate ownership.

Table 3–3
Asset Reporting format–Record Type A/B

Item	Data name	Length	Cls	Position	Remarks
1	Transaction type indicator	1	Text	1	Constant A
2	NSN	15	Text	2–16	
3	Lot number	16	Text	17–32	
4	CC	1	Text	33	
5	RIC	3	Text	34–36	
6	Year/month manufacture date	4	Number	37–40	YYMM
7	Shelf life	1	Text	41	
8	Shelf life expires	4	Text	42–45	YYMM
9	Function CC	1	Text	46	
10	Transaction lot quantity	9	Number	47–55	Right justified, zero fill
11	Transaction obligation quantity	9	Number	56–64	Right justified, zero fill
12	Accept code	1	Number	65	
13	Month year last inspected	4	Number	65–69	MMYY
14	Type last inspection code	1	Text	70	
15	Blank	2		71–71	
16	WARS command code	3	Number	73–75	
17	SDS sequence code	5	Number	76–80	Same as B (for example, AAAAA)
18	Date time group	7	Number	81–87	Year, date, time added when loaded

**Table 3-3
Asset Reporting format–Record Type A/B—Continued**

1	Transaction format indicator	1	Text	1	Constant B
2	Quality defect code	6	Text	2–7	
3	Quality defect code	6	Text	8–13	
4	Quality defect code	6	Text	14–19	
5	Quality defect code	6	Text	20–25	
6	Restriction code	3	Text	26–28	
7	Restriction code	3	Text	29–31	
8	Restriction code	3	Text	32–34	
9	Restriction code	3	Text	35–37	
10	Restriction code	3	Text	38–40	
11	Restriction code	3	Text	41–43	
12	Ammo use code	3	Text	44–46	
13	Ammo use code	3	Text	47–49	
14	Ammo use code	3	Text	50–52	
15	DODIC	4	Text	53–56	
16	Blank	1		57	
17	Type SP code	1	Text	58	
18	Blank	1		59	
19	Serial number	12	Text	60–71	
20	Ammo owner code	1	Text	72	
21	WARS command code	3	Number	73–75	
22	SDS sequence code	5	Number	76–80	Same as A (for example, AAAAA)
23	Date time group	7	Number	81–87	Year, date, time added when loaded

Notes:

¹ Receiver: SDS–WARS–A/B.

² Action: Transactional processing.

3-4. Asset Reporting Format–Record Type S/T

Contractor facilities without SDS capabilities report with Record Type S/T. All quantities will be expressed in each with no decimal point assumed. The format for Record Type S/T is shown in table 3-4, below.

a. A header line will be the first line in each submission.

(1) The batch number should increase each time you submit for the year. The batch number starts over with 000001 at the first of each year. The record count on the header is a 6 position field and must be zero filled.

(2) The record count on the header is a 9 position field and must be zero filled.

b. Transaction format indicator T, column 1 (constant T) is submitted with an S only when reporting serially numbered items. CAT I items require and S and a T submission.

Table 3-4
Asset Reporting format-Record Type S/T

Item	Data name	Length	Cls	Position	Remarks
1	Transaction format indicator	1	Text	1	Constant S
2	NSN	15	Text	2-16	
3	Lot number	16	Text	17-31	
4	CC	1	Text	33	
5	RIC	3	Text	34-36	
6	Purpose code	1	Number	37	
7	Transaction code	3	Text	38-40	
8	Transaction/lot quantity	9	Number	41-49	Right justified, zero fill
9	Year/month manufacture quantity	4	Number	50-53	YYMM
10	Quality defect code	6	Text	54-59	
11	Quality defect code	6	Text	60-65	
12	Quality defect code	6	Text	66-71	
13	Quality defect code	6	Text	72-77	
14	Restriction code	3	Text	78-80	
15	Restriction code	3	Text	81-83	
16	Ammo use code	3	Text	84-86	
17	Ammo use code	3	Text	87-89	
18	Type SP code	1	Text	90	
19	Type last inspection code	1	Text	91	
20	Month/year last inspected	4	Number	92-95	MMYY
21	Type next inspection code	1	Text	96	
22	Month/year next inspection	4	Number	97-100	MMYY
23	Date time	7	Number	101-107	DDHMM
24	DODAAC/UIC	6	Text	108-113	
25	DODAAC/UIC (to/from)	6	Text	114-119	
26	Batch number	3	Number	120-122	Right justified, zero filled
27	Batch record number	6	Number	123-128	Record number in batch, right justified zero fill
1	Transaction format indicator	1	Text	1	Constant T
2	Serial number	12	Text	2-13	
3	Blank	86		14-100	
4	Date time	7	Number	101-107	DDHMM
5	Blank	12		108-119	
6	Batch number	3	Number	120-122	Batch number, right justified, zero fill
7	Batch record number	6	Number	123-128	Record number in batch, right justified, zero fill

Notes:

¹ Receiver: Contractor-WARS-S/T.

² Action: Transaction processing.

3-5. Instructions for Worldwide Ammunition Test Requirements and Expenditures Reports

All test requirements must be approved by HQDA, DCS, G-3/5/7 (DAMO-TRA). Until an automated interface with the TAMIS is developed, the following procedures will be used to report test requirements to WARS.

a. On a monthly basis, at the end of each reporting period, any AMC major subordinate command, ACOM, and test agency requiring items to test for the next 12 months following the report period, will submit those requirements to the WARS Office. The T1-T2 type records will be submitted in the format shown in table 3-5, below.

b. Quantities of assets expended for test during the reporting period will be reported on the T1 record by the using agency (through the ACOM or major subordinate command to which the installation or activity is assigned) by test site, test type, and test purpose (see table 2-2 and table 2-3, above).

c. T1-T2 record input is due at Joint Munitions Command (JMC) no later than the last working day of the month. Note that quantities on the T1-T2 cards will be reported in units of thousands except for a few items that are reported in each (one) (as shown in the WARS master data record).

d. Annual test requirements for a 6-year period must be submitted for update semiannually and reported on the T3-T4 records (see table 3-5, below).

e. The T3 record contains the forecasted requirement for the budget year, plus 1 year, displayed by FY quarters. The T4 record contains the forecasted requirement by FY for the next 4 years. In arriving at the net quantity required, reporting elements should consider assets on hand and assets due in. Note that all quantities will be reported in units of thousands.

f. Due dates for input are 1 October for initial submission and 1 March for update. The 1 October submission will project the first 2 years' requirements (by quarters) and the subsequent FYs (by year). The 1 March submission updates the balance of the first 2 years and the subsequent FYs as required.

g. All input (T1, T2, T3, and T4) will be prepared per prescribed format (see table 3-5 and table 3-6, below). One record per DODIC, per each specific test, is required. This may generate multiple records for any DODIC—

(1) Command codes as assigned to the reporting elements will be entered in columns 1 through 3 (see table 3-7, below).

(2) In columns 9 through 12, DODIC will be entered and must be included in the Requirements and Assets Report. Note that test unique ammunition items or modified end item requirements will be provided in the same format as the standard items with pseudo DODICs assigned by the WARS manager's office.

(3) Unit of report must be as indicated in the WARS master data record, for T1 and T2 only.

(4) Test site will be a 3-digit designator, (columns 61 through 63) shown in table identifying the name and location of the installation or activity scheduled to perform testing.

(5) Test proponent and test type (columns 64 through 65) will be coded as shown in table 2-3, above.

(6) Test purpose (columns 66 through 80) will be entered in an abbreviated narrative, not to exceed 15 spaces (for example, WPN TEST (155MM)).

**Table 3-5
Asset Reporting format test 12-month-WARS T1, T2**

Item	Data name	Length	Cls	Position	Remarks
1	WARS command code	3	Number	1-3	
2	RIC	3	Text	4-6	
3	Transaction format indicator	1	Text	7	Constant T
4	Record type	1	Text	8	Constant 1 for test months 1 through 6
5	DODIC	4	Text	9-12	
6	Test forecast 1st month	6	Text	13-18	
7	Test forecast 2nd month	6	Text	19-24	
8	Test forecast 3rd month	6	Text	25-30	
9	Test forecast 4th month	6	Text	31-36	
10	Test forecast 5th month	6	Text	37-42	
11	Test forecast 6th month	6	Text	43-48	
12	Blank	12	Text	49-60	
13	Test site code	3	Text	61-63	
14	Test type code	2	Text	64-65	

Table 3-5
Asset Reporting format test 12-month-WARS T1, T2—Continued

15	Test purpose	15	Text	66-80	
1	WARS command code	3	Number	1-3	
2	RIC	3	Text	4-6	
3	Transaction format indicator	1	Text	7	Constant T
4	Record type	1	Text	8	Constant 2 for test months 7 through 12
5	DODIC	4	Text	9-12	
6	Test forecast 7th month	6	Text	13-18	
7	Test forecast 8th month	6	Text	19-24	
8	Test forecast 9th month	6	Text	25-30	
9	Test forecast 10th month	6	Text	31-36	
10	Test forecast 11th month	6	Text	37-42	
11	Test forecast 12th month	6	Text	43-48	
12	Test actual expenditures	7	Text	49-55	
13	Blank	12	Text	56-60	
14	Test site code	3	Text	61-63	
15	Test type code	2	Text	64-65	
16	Test purpose code	15	Text	66-80	

Notes:

¹ Receiver: Test 12-month-WARS T1, T2.

² Action: Transaction processing.

3-6. Worldwide Ammunition Reporting System 6-Year Test Report format

The WARS 6-year Test Report will be submitted in the format shown in table 3-6, below.

Table 3-6
Worldwide Ammunition Reporting System 6-Year Test Report-T3, T4

Item	Data name	Length	Cls	Position	Remarks
1	WARS command code	3	Number	1-3	
2	RIC	3	Text	4-6	
3	Transaction format code	1	Text	7	Constant T
4	Record type	1	Text	8	Constant 3 for test-quarter for next 2 FYs
5	DODIC	4	Text	9-12	
6	1st quarter 1st year	6	Text	13-18	Oct-Dec
7	2nd quarter 1st year	6	Text	19-24	Jan-Mar
8	3rd quarter 1st year	6	Text	25-30	Apr-Jun
9	4th quarter 1st year	6	Text	31-36	Jul-Sep
10	1st quarter 2nd year	6	Text	37-42	Oct-Dec
11	2nd quarter 2nd year	6	Text	43-48	Jan-Mar
12	3rd quarter 2nd year	6	Text	49-54	Apr-Jun
13	4th quarter 2nd year	6	Text	55-60	Jul-Sep
14	Test site code	3	Text	61-63	
15	Test type code	2	Text	64-65	

Table 3-6
Worldwide Ammunition Reporting System 6-Year Test Report-T3, T4—Continued

16	Test purpose code	15	Text	66-80	
1	WARS command code	3	Number	1-3	
2	RIC	3	Text	4-6	
3	Transaction format indicator	1	Text	7	Constant T
4	Record type	1	Text	8	Constant 4 for test; next 4 FYs after T3 2 FYs
5	DODIC	4	Text	9-12	
6	FY 3	7	Text	13-19	Oct-Sep
7	FY 4	7	Text	20-26	Oct-Sep
8	FY 5	7	Text	27-33	Oct-Sep
9	FY 6	7	Text	34-40	Oct-Sep
10	Blank	20	Text	41-60	
11	Test site code	3	Text	61-63	
12	Test type code	2	Text	64-65	
13	Test purpose code	15	Text	66-80	

Notes:

¹ Receiver: Test 6-year WARS-T3, T4.

² Action: Transaction processing.

3-7. Worldwide Ammunition Reporting System command codes

Command codes identified in table 3-7, below, will be used when submitting reports to WARS.

Table 3-7
Worldwide Ammunition Reporting System command codes

Code	Description	Code	Description
100	Central Europe GE/UK	104	Central Europe GE/UK APS2
101	Norway	105	Bosnia (not applicable (NA))
102	Italy (8th Log Command Camp Darby)	106	Hungary (NA)
103	Italy, Camp Darby APS2	107	Kosovo
200	U.S. Army Corps of Engineers (USARPAC) Reserve (RES) (Okinawa)	210	Eighth U.S. Army (EUSA) (Korea)
201	USARPAC RES (JAPAN) (NA)	211	WRSA-Korea
202	U.S. Army, Japan-Japan/Philippines	212	Republic of Korea Army (NA)
203	WRSA Japan	213	EUSA (Japan) (NA)
209	Thailand-WRS		
300	FORSCOM	319	U.S. Army Intelligence and Security Command-U.S. Army Installation Management Command (IMCOM)
301	USARPAC (Alaska)	320	Military Operations Division, HQDA, DCS, G-3/5/7-IMCOM
303	USARPAC (Hawaii)	321	Military Traffic Management Command-IMCOM
302	United States Army South	322	United States Army Criminal Investigation Command-IMCOM
304	USARPAC RES (Alaska) (NA)	323	United States Army Space Command-IMCOM
311	Military District Washington	324	United States Army Signal Command-IMCOM

**Table 3-7
Worldwide Ammunition Reporting System command codes—Continued**

312	Medical Command	325	Network Enterprise Command—IMCOM
31	United States Army Reserve Command	326	U.S. Army Corps of Engineers—IMCOM
314	Multi National Forces (MFO)	327	1 CONUS—IMCOM
315	United States Army Special Operations Command	328	5 CONUS—IMCOM
316	AMC—IMCOM	330	Army National Guard
317	NA—IMCOM		
318	Installation Management Agency (IMCOM)		
500	TRADOC—IMCOM		
600	Iowa	610	Newport
601	Joliet	611	Indiana
602	Lake City	612	Kansas
603	Lone Star	613	Longhorn
604	Louisiana	614	Crane
605	Milan	615	McAlester
606	Ravenna	616	Hawthorne
607	Pine Bluff	617	Mississippi
608	Rock Mountain	618	Radford
609	Twin City	619	Holston
700	ATEC—North	710	Research Development and Engineering Command
701	AMCOM	711	Belvoir Research, Development and Engineering Center
702	JMC—SURVEILLANCE	712	TACOM
703	TACOM	713	TRADE
704	RDTE OTHER	720	ATEC
705	U.S. Army Communications—Electronics Command	741	Aberdeen Proving Ground
706	ARDEC	742	Yuma Proving Ground
707	ATCOM	743	White Sands Missile Range
708	CRDEC		
801	Production (Form 45)	858	Seneca
850	Anniston	859	Sierra
851	Blue Grass	860	Tooele
852	Fort Wingate (NA)	861	Umatilla (NA)
853	Letterkenny	862	Tobyhanna
854	Navajo (NA)	863	New Cumberland, PA
855	Pueblo (NA)	870	Contractor
856	Red River	890	Retrograde (in—transit to)
857	Savanna (NA)		
901	U.S. Army Central Command (Kuwait)	923	Dahl
903	QATAR	924	Red Cloud (NA)
904	Iraq	925	Charlton
910	Container Ship #1 (John U D Page)	926	Watkins
911	Container Ship #2 (Eddie Carter)	930–939	WRS Countries A–J

Table 3-7
Worldwide Ammunition Reporting System command codes—Continued

912	Soderman	931	WRS Country B (NA) (Proj EBR)
913	Watson	935	WRS Country F
915	Charleston (Port)	990-999	Other Countries
917	Sisler (NA)	990	Somalia (NA)
918	Pomeroy (NA)	991	Haiti (NA)
919	Arizona (NA)	993	Kosovo (see command code 107, above) (NA)
920	Green Valley (NA)	994	Afghanistan/Uzbekistan
921	Military Ocean Terminal Sunnypoint	995	Djibouti
922	Bob Hope (NA)		

Chapter 4

Security Risk Category I Non-Nuclear Missiles and Rockets Serial Number Registration and Reporting

4-1. Items subject to reporting

a. Serial numbers of all CIIC I CAT I non-nuclear missiles and rockets will be reported to the WARS UIT missile registry.

b. All CAT I munitions that are produced at a contractor owned or operated facility and which are waiting for first destination transportation for delivery into the Army inventory, will be reportable to WARS. The requirement to report serial numbers starts when the DD Form 250 is signed by the Army and before shipment to depot. All contractors who provide maintenance support and possess the assets must report receipt, possession, shipment, and destruction of CAT I missiles and rockets, by serial number, to WARS.

c. Serial numbers of all CAT I munitions residue will be reported to the WARS UIT missile registry.

4-2. Followup for Category I munitions in-transit

a. The WARS UIT missile registry will follow up on all in-transit open shipments of CAT I assets. The WARS Office will make available a report to appropriate

b. Ammunition storage areas on open shipments with no receipt confirmations for more than 30 days for CONUS shipments and more than 90 days for OCONUS shipments. The receiving SSA will resolve these discrepancies within 10 working days.

c. If the WARS UIT missile registry receives no response within 10 working days, the WARS Office will send an electronic message to the receiving activity with an information copy to the receiving activity's higher headquarters (for example, ACOM) and HQDA, DCS, G-4 for intervention and prompt resolution.

d. If there is a negative or no response to the message within 5 working days, HQDA, DCS, G-4 will direct the ACOM to report the asset(s) as missing, lost, or stolen to the appropriate investigative agency with an information copy provided to the shipping activity to initiate a report of survey.

4-3. Followup for open transactions and missing serial number

a. The WARS UIT missile registry maintains data files on serial numbers that have been dropped from an activity's record.

b. Army Command Distribution Management Center will access WARS UIT missile registry and promptly resolve discrepancies that apply to their respective transactions, such as open transactions that have not processed due to errors or incomplete data.

c. For training ammunition, Army Command Distribution Management Center will promptly research and resolve missing serial number discrepancies that do not have a corresponding closure, such as a turn-in of the serial number item, turn-in of serial numbered residue (TIR) transaction, or destroyed (DES) transaction, for more than 30 days.

d. The WARS UIT missile registry will generate a report for any open transactions or missing serial numbers that are delinquent for more than 30 days to the Army Command Distribution Management Center. The SSA and units will resolve the discrepancies within 10 working days.

4-4. Receipt

a. If the serial number is correct, the reporting activity will prepare a receipt transaction. Use the serial number data in the shipment documentation serial number listings to prepare the receipt transaction.

b. If the serial number received does not match the serial number on the receipt document, the correct serial number

will be posted to the system and an SF 364, per AR 735–5, chapter 16, and AR 735–11–2, appendix B, will be prepared and sent to the shipping activity submitting the erroneous shipment data.

(1) If the serial number entered is already shown on the UIT database as being present at another location, it will process and will be considered an asset of the last reporting location.

(2) The WARS manager will notify both locations claiming ownership that both need to perform a physical verification of the item to determine which one is correct.

(3) When the verification is complete, the WARS manager will provide resolution instructions to each location.

4–5. Inventory gain

a. Report the gain of a serial numbered missile/rocket through an inventory adjustment report. Transmit data to the WARS UIT missile registry.

b. Additional reporting is as required per AR 710–2 and AR 190–11. Verify gain information with appropriate accountable officer.

(1) If the serial number entered is already shown on the UIT database as being present at another location, it will process and will be considered an asset of the last reporting location.

(2) The WARS manager will notify both locations claiming ownership that both need to perform a physical verification of the item to determine which one is correct.

(3) When the verification is complete, the WARS manager will provide resolution instructions to each location.

4–6. Loss

a. *Suspected loss.*

(1) Units or ammunition storage areas will immediately report a potential lost or stolen asset to the WARS UIT missile registry and confirm in writing that an investigation or report of survey is in process. Prepare a notification of suspected loss transaction.

(2) The WARS UIT missile registry will—

(a) Review and research each suspected loss against the WARS database master file.

(b) Report to the Army Command Distribution Management Center if the asset is found under a different reporting activity.

(c) Report suspected loss to HQDA, DCS, G–4 (DALO–SUM).

(3) The reporting activity will ensure that suspected lost or stolen missile/rockets are reported per AR 190–11.

b. *Inventory loss.*

(1) Immediately report the loss or theft of a missile/rocket, and confirm in writing that an investigation or report of survey is in process. Prepare an inventory adjustment report.

(2) The WARS UIT missile registry will take the same action in paragraph 4–6a(2), above.

(3) The reporting activity will take the same action in paragraph 4–6a(3), above.

(4) Coordinate inventory loss with the responsible accountable officer.

4–7. Recovered missiles/rockets

a. Reportable assets confiscated, found on post or otherwise recovered (previously dropped from accountability by report of survey or board of investigation) will be reported to the HQDA per AR 190–11 and registered to the WARS UIT missile registry as an inventory gain.

b. Recovered CAT I Class V assets without NSN/serial numbers will be reported to WARS UIT missile registry by message including make, model, caliber, and other nomenclature data. The WARS Office will assign NSN or new serial numbers.

4–8. Interrogation

a. When investigative agencies query the WARS UIT missile registry by message, letter, or telephone, the WARS UIT missile registry will provide to investigative agencies, within 72 hours, the identification of the last known accountable activity having possession of a specific serial numbered missile/rocket.

b. The WARS UIT missile registry will query the responsible Army reporting activity as to current CAT I munitions item status and owning activity (property book/stock record account) from the WARS master file or other available serial number files.

c. The reporting Army Command Distribution Management Center, receiving missile/rocket serial number verification, or status requests from the WARS Office will direct the accountable/owning unit (property book/stock record account) to sight verify the CAT I munitions item and furnish verification results directly to the WARS Office within 72 hours of the original request.

d. The WARS UIT missile registry will maintain UIT registry investigative inquiry records indefinitely and request Logistic Support Agency to provide historical records prior to September 2000, as needed.

4-9. Demilitarization

a. Report missiles/rockets when demilitarized per Department of Defense (DOD) 4160.21-M-1 and DODI 4160.62 are removed from the accountable records to the WARS UIT missile registry. Send the DEMIL transaction to the WARS UIT missile registry and update the reporting activity file.

b. Only activity performing the demilitarization that removes the missile/rockets from the system will submit this transaction.

c. The demilitarization activity must retain demilitarization certificates in the accountable record files and submit copies to the appropriate accountable officer.

4-10. Unit deployments

When a unit transfers from the jurisdiction of one reporting agency to the jurisdiction of another, the gaining activity (for example, Kosovo and so on) will follow receipt transaction procedures, and the losing activity (for example, FORSCOM, European command, and so on) will follow shipping transaction procedures. The purpose of this transaction is to show the accurate location of stocks.

4-11. Reporting activity changes and corrections

a. *Change to DODAAC.* When the DODAAC of a reporting agency changes, notify the WARS UIT missile registry and update the reporting activity file before reporting the transactions.

b. *Serial number corrections.* To correct an asset serial number erroneously reported to the UIT missile registry, use procedures outlined in the SAAS or PBUSE end user manual.

c. *NSN corrections.* Use same procedures above in paragraph 4-11b, above.

d. *Mass stock number change.* Use procedures outlined in the SAAS or PBUSE end user manual.

4-12. Reconciliation procedures

a. Each reporting activity will use procedures outlined in the SAAS or PBUSE end user manual.

b. The WARS UIT missile registry will followup with reporting activities on non-responses to previously submitted reconciliation requests and rejects.

c. The WARS Office will perform the annual reconciliation as of 30 September each year.

4-13. Depot or storage facility procedures

a. *Depot and storage facilities.* Depot and storage facilities will use the procedures below to report serial number transactions.

b. *Receipts.*

(1) *Turn-in receipts from sponsored activities.* Receipts from supported activities will be reported per procedures outlined in the LMP or SAAS end user manual. For fired (expended) serial numbers, use the TIR transaction in SAAS. Expended serial number must be annotated on this transaction.

(2) *Other than turn-ins.* Receipts, other than turn-ins, that have been registered in the WARS UIT missile registry should have a listing of the serial number of each asset shipped attached to the shipping documentation when received. Validate that listing by checking the list against the serial number of each missile/rocket. Take the serial number data from the validated asset serial number listing and receipt transactions, and transmit it to the WARS UIT missile registry.

(3) *Assets without a serial number listing.* Receipts of assets without a serial number listing will be reported to the WARS UIT missile registry. Prepare a receipt transaction, using data from shipment documents, such as document number, shipper's DODAAC, and so on. Report serial number data to WARS.

c. *Shipments to other activities.* Include the serial number of each asset to be shipped on a list and securely attach the list to the storage containers in plain sight. Report shipment by serial number to WARS.

d. *Other transactions.* Report other required transactions as detailed in this regulation.

4-14. Reporting and disposition of expended launch tubes

The destruction and final disposition of expended tubes are reported to WARS.

a. The destruction of the expended launch tube will be processed in the appropriate automated system using the designated transaction code to indication destruction.

b. The expended serial number must be indicated on the destruction transaction. The transaction will close the life cycle for that serial number.

4-15. Dropped Category I reconciliation

Every activity that has or has had possession of Category I non-nuclear missiles and rockets will access the WARS drop CAT I generator at a minimum of once every 30 days utilizing their respective DODAAC or UIC. This report reveals those serial numbers whose last reported location was that particular DODAAC or UIC. Once serial numbers

have been identified, research will be performed to determine disposition of each serial number reflected as over 60 days old. Following research, 1 of the following actions must be performed.

- a. Process any missing transactions (for example, TIR and DES) and transmit to WARS.
- b. Log into the interactive screen and enter results of research as follows:
 - (1) *Customer status*. D = Destroyed, E = Error, F = Fired, L = Lost or stolen, O = Other, and R = Retrograde.
 - (2) *Document number*. Document number of transaction.
 - (3) *Note*. 100 character note/description of disposition/action.
 - (a) Destroyed–self–explanatory; Error–change of NSN or serial number; other–all other actions to include shipments.
 - (b) Note should include destination of shipment.
- c. The above actions require access to the WARS Web site which is controlled by user ID and password. To obtain access, visit the following Web site: <https://132.159.16.81>.
- d. As an alternative, a flat file of transactions may be e–mailed to the WARS Office. Instructions may be obtained by contacting WARS Office personnel via the above Web site.
- e. Final disposition must be transmitted to the WARS Office via one of the above prior to the line aging to 75 days.

Chapter 5

Transit Accounting and Reporting

5–1. In–transit reporting guidance

This chapter contains instructions on uniform accounting and reporting data for in–transit stocks.

5–2. Transportation procedures

Transportation procedures described below ensure the generation of in–transit (to theater or command) data required for the WARS Requirements and Assets Reports. The Munitions Logistics Readiness Center Transportation Office (SFSJM–LIT) communicates directly with all reporting theaters or commands in carrying out its transportation activity responsibilities for this report.

5–3. In–transit to theater or command

Data furnished to WARS will be developed by SFSJM–LIT. This data represents the quantity of total stocks in–transit as computed. in–transit status starts with the issue of the material release order (MRO) to the source of supply, and ends with the arrival of the vessel or aircraft (A/C) at the first scheduled port of discharge (POD) in the theater or command.

- a. For airlift data no (in–transit in is sent to WARS).
- b. FMS data is not sent to WARS.
- c. For CONUS shipments on in–process is sent to WARS. This includes pre–positioned vessels.
- d. For shipments that use Federal Express, small package carriers or general cargo only in–process is sent to WARS.
- e. If the national identification number and Consignee DODAAC are not in WARS, no data will be sent to WARS.

5–4. In–process

The Munitions Transportation Management System (MTMS) reports this data to WARS when the MRO has been received, sourced and offered to the Integrated Booking System at the Military Surface Deployment and Distribution Command (SDDC) for movement. This usually occurs within the same day.

5–5. In–transit to

This data is reported to WARS by MTMS once the Advanced Transportation Control Movement Document has been received from the shipping installation, and forwarded to the Worldwide Port System (WPS) of the SDDC.

5–6. In–transit in

Upon notification that the vessel sailed and the manifest is received, this office will complete a manifest reconciliation to ensure conventional ammunition/GMLR items offered/shipped by this headquarters were reported as sailing on the vessel. Upon completion of this process, a final report of shipment will be published. At this time, JMLCMC SFSJM–LIT will close out this item, and no longer report the item as being in–transit to the theater or command. WARS will generate the in–transit in based on the close out. After 90 days, WARS will assume the ammunition/GMLR items have been received and drop the stock from the in–transit in status. The item manager may request that the item be dropped sooner if it is noted that the stock has been picked up on record. The exception to the above is that

Pacific Command locations will consider the item to be an asset upon arrival at the storage site and will furnish report of arrival at this time. Deviations from the above procedures must have the approval of JMLCMC SFSJM-LIT.

5-7. In-transit data feeds

The in-transit data feeds are done electronically from the JMLCMC MTMS to WARS, as agreed upon in the interface agreement. There is an exception if the vessel is diverted, either en route or at the first scheduled POD by the theater Army commander or the Unified or Joint commander. In this case, the JMLCMC Transportation Office, ATTN: SFSJM-LIT will be advised immediately. Assets aboard the diverted vessel will continue to be carried as in-transit to theater until the vessel arrives at the newly scheduled POD. Specific procedures for reporting in-transit quantities are as follows:

a. JMLCMC CONUS shipping activities will provide an electronic REPSHIP within 24 hours after shipment of all conventional ammunition/GMLR items to Domestic Customer or Transshipping Activity; Clearance Authorities (Ocean/Air); Sponsoring Service Accountable Supply Activity; Ultimate Consignee/Final Destination. The format and subject will be according to DOD 4500.9-R.

b. The WPS of the SDDC will electronically transmit a complete copy of all vessel manifests for all conventional ammunition/GMLR items, including small arms, to the JMLCMC MTMS, the first scheduled discharge terminal and the distribution management center within 72 hours of vessel sailing. These manifests must include the vessel name and sailing date. Overseas terminals will provide the same documents and data by mail or electronically to JMLCMC MTMS on conventional ammunition/GMLR items being retrograded to CONUS.

Chapter 6 Missile Firing Data Reports

6-1. Report content and uses

Missile firing data reports are required for the reporting system established by AR 700-19. These reports provide performance data and field history to develop—

- a.* A continuous evaluation of missile system performance and effectiveness.
- b.* An effective surveillance management tool that will reflect trends and indicate potential problems throughout the life cycle of the missile system.
- c.* Reliability trends and estimates reflecting configuration modifications, environment, and system age.
- d.* Shelf life and service life assessments.
- e.* Data necessary to support malfunction investigations.

6-2. Procedures for submitting missile firing data reports

a. As directed by AR 700-19, commanders of Active, Reserve, and National Guard Components; field commanders of Active, Reserve, and National Guard Components; and commanders of U.S. Army test agencies establish procedures and submit firing reports for each missile firing attempted. Where local procedures are applicable, the logistics assistance representative or quality assurance specialist ammunition surveillance may provide assistance in the preparation of the reports.

b. The original completed firing data report must be submitted directly to Director, USA Research Development and Engineering Command, AMSRD-AMR-SE-RA, Redstone Arsenal, AL 35898-5000. Copies may be required to be submitted to other agencies as identified in chapters 7 through 13, below, depending on the missile system.

c. In the case of a Class A, B, or C malfunction (see AR 75-1) during any particular firing attempt, the firing agency will add pertinent information to the firing report.

d. Firing reports must be submitted as soon as possible after the event. Although completed reports may be held for consolidation during a training exercise, reports should be submitted no later than 5 working days after the conclusion of the exercise.

e. Chapters 7 through 13, below, contain instructions for preparing the report forms and guidance for submission of the completed reports.

f. Current firing report forms for all active Army missile systems are maintained at <https://apps.amrdec.army.mil/MFDR>. These forms may be accessed by personnel with an Army Knowledge Online username and password. These forms may be downloaded and printed for completion and subsequent mailing to the address provided in paragraph 6-2*b*, above.

Chapter 7 JAVELIN Weapon System

7-1. Procedures for completing DA Form 3474 (Missile Firing Data Report (JAVELIN))

a. The DA Form 3474 will be completed for each JAVELIN missile firing, or attempt to fire. This includes troop training, annual service practice, demonstration, and life cycle testing (that is, acceptance, product improvement, and surveillance).

b. The JAVELIN form is designed so that most information is provided by simply writing in or marking the appropriate block for the desired information.

c. Any failure experienced during JAVELIN firings will be documented fully in sections 21 and 22 at the bottom of the form. (It may be necessary to use the back of the form to fully explain the incident.)

7-2. Instructions for completing and submitting DA Form 3474

a. *Section 1. Missile information.* Enter the missile serial number, lot number, DODIC, and NSN in the blanks provided. Each blank should contain a number or letter when this section is complete.

b. *Section 2. Battery coolant unit (BCU).* Enter the BCU serial number and lot number in the lines provided.

c. *Sections 3 and 4.* Sections 3 and 4 are self-explanatory.

d. *Section 5. Software version.* Enter the software version currently installed in the command launch unit (CLU).

e. *Sections 6. and 7.* Sections 6 and 7 are self-explanatory.

f. *Section 8.* Enter the time (military), month, day, and year that the missile was fired. Each block should be filled when this section is complete.

g. *Section 9. Gunner experience.* Enter the number of missiles that the gunner has fired previous to this firing or check the no gunner block if fired remotely.

h. *Section 10. Warhead type.* Check the live block for a heat round, the inert block for a practice round, or the time block for a round containing a telemetry section instead of a warhead. Only 1 block should be checked in this section.

i. *Section 11. Gunner position.* Check the box that best describes the gunner's position at the time of the firing. Only 1 block should be checked in this section.

j. *Section 12. Conditions at time of launch.* There are 4 columns in this section. Check the appropriate box under the headings obscuration, light conditions, and type of illumination (for night firings only). Under the column labeled other, fill in the blanks for wind in miles per hour (MPH) and temperature in degrees Fahrenheit.

k. *Section 13. Purpose of firing.* Check the appropriate block.

l. *Section 14. Acquisition mode.* Check the appropriate block(s) that describes the mode(s) of the CLU at the time of acquisition. More than 1 block may be checked in this section.

m. *Section 15. CLU elapsed time meter (ETM) readings.* Record the ETM readings prior to the firing and after the firing.

n. *Section 16. Target information.* There are 4 columns in this section. The target type column is self-explanatory. Target temp is the condition of the target and may require more than 1 block to be checked. The temperature blank (at the bottom of the target temp column) is the temperature of the target. Target aspect is the view of the target as presented the gunner with 0 and 360 and looking at the target from the front; 90 would be looking at the left side of the target from the drivers perspective and 270 would be looking at the right side of the target from the drivers perspective. Other target is self-explanatory.

o. *Section 17. Firing results.* A miss means the missile did not hit the target that the gunner locked-on. Misfire means that the gunner pulled the fire trigger and nothing happened. A hangfire means that the gunner pulled the trigger and the restraint pin was activated, but the missile did not leave the tube. An abort is self-explanatory. If the missile hit the locked-on target, check the hit block and complete the information under that block.

p. *Section 18. Warhead function.* Section 18 is self-explanatory.

q. *Section 19. CLU checkout.* This section refers to the self-test results at pre and post flight times of the CLU.

r. *Section 20. CLU/missile built-in test (BIT) indicator.* List here any BIT icons that illuminated during the test.

s. *Section 21. Misses and failures.* As stated, this section is only for misses and failures. As much information as possible should be checked as well as a description of the incident should be given in section 22.

t. *Section 22. Explanation.* This section is for misses or erratic flights. Describe the incident in as much detail as possible with the data immediately available.

u. *Section 23. Date.* This is the date that the firing report was completed.

v. *Sections 24, 25, and 26.* Sections 24, 25, and 26 are self-explanatory.

7-3. Report accuracy and submittal

a. The report will be checked for accuracy.

- b. The procedures for firing data report submittal will be in accordance with paragraph 6–2, above.

Chapter 8 Dragon and TOW Weapon Systems

8–1. Procedure for completing DA Form 7213 (Missile Firing Data Report (Dragon and TOW)) (Report Control System AMC 224)

The form is designed so that most blocks need only be checked in the appropriate category or blanks filled in with the required data. All numbers should have the last digit in the extreme right position and should be rounded off to the nearest whole number. This form and all requested data are unclassified.

8–2. Instructions for completing DA Form 7213

- a. *Item 1. Missile system.* Mark the appropriate block.
- b. *Item 2. Missile serial number.* Enter the missile serial number as shown on the missile container marking.
- c. *Item 3. Missile lot number.* Enter the missile lot number as shown on the missile container marking.
- d. *Item 4. NSN.* Enter the NSN as shown on the missile container marking.
- e. *Item 5. Warhead type.* Mark the type of warhead. If the type of warhead is not listed, write in the appropriate type.
- f. *Item 6. Mount.* Mark the appropriate mount. If the type of mount is not listed, write in the appropriate nomenclature.
- g. *Item 7. Unit mailing address (UIC).* Enter the complete address of the firing unit. For tactical units, this should be the company. For other organizations, it should be the office conducting the test. Enter the UIC of the firing organization.
- h. *Item 8. Firing agency.* Mark the appropriate block. If the agency conducting the firing is not listed, write in the agency name.
- i. *Item 9. Location (post) where fired.* Enter the name of the installation or location where the firing was conducted.
- j. *Item 10. Purpose of firing.* Mark the purpose of the firing or enter the name of the test program.
- k. *Item 11. Time of missile firing (military time).* Use local military time and use numbers for the date. For example, July 4, 1986 should be entered as 07 04 86.
- l. *Item 12. Light conditions.* Mark the appropriate block for light conditions.
- m. *Item 13. Temperature.* Mark the appropriate block and enter the temperature at the time of launch.
- n. *Item 14. Tracker or night sight serial number.* Enter the day tracker serial number or, if a night sight is used, enter the night sight serial number.
- o. *Item 15. Weather.* Mark the appropriate block.
- p. *Item 16. Target illumination.* Mark the appropriate block to indicate type of illumination, if any, used to illuminate the target. If the type is not listed, mark other and specify the type of illumination used.
- q. *Item 17. Gunner experience.* If a gunner has previously fired missiles, enter the number of missiles fired. Do not count the missile being reported as a previous firing. If this is the first firing, mark no previous missiles. If there is no gunner (firing from fixed launcher), mark no gunner.
- r. *Item 18. Dragon gunner position.* For Dragon missile firings only, mark the gunner's position.
- s. *Item 19. A/C maneuver (TOW/COBRA only).* For TOW missile firings from COBRA A/C only, mark the type of maneuver being executed by the A/C at the time of the missile firing.
- t. *Item 20. A/C altitude (feet above ground level).* For TOW missile firings from COBRA A/C only, enter the A/C altitude (feet) at the time of the missile firing.
- u. *Item 21. A/C speed (knots, true airspeed).* For TOW missile firings from COBRA A/C only, enter the A/C speed (knots) at the time of the missile firing.
- v. *Item 22. Combined mode.* For TOW missile firings from COBRA A/C only, check the appropriate block if combined mode was used for the missile firing.
- w. *Item 23. Override used.* For TOW missile firings from COBRA A/C only, check the appropriate block if override was used for the missile firing.
- x. *Item 24. Target type.* Mark the appropriate type of target. If the target is approximately the size of the standard target, then mark standard stationary target or standard moving target. For example, an 8 foot by 8 foot target can be marked as standard stationary target.
- y. *Item 25. Target direction.* If the target is not moving, mark stationary. If the target is moving, mark the direction of the movement.
- z. *Item 26. Target speed (MPH).* If the target is moving, enter the approximate speed in MPH.
- aa. *Item 27. Range to target (meters).* Enter the distance from the launcher to the target in meters.

- ab. Item 28. Target hit.* Mark yes or no. Ricochet hits should be marked no.
- ac. Item 29. Impact point from center of target (inches).* If the missile hit the target, how far from the target center did it hit? However, if range conditions prevent determining this data, mark not determined.
- ad. Item 30. Warhead functioned.* Mark the appropriate block.
- ae. Item 31. Range to impact point (meters).* If a miss or failure occurs, enter the estimated distance (meters) from launcher to the point where the missile first hit the ground.
- af. Item 32. Cause of miss.* Mark the block that most nearly describes why this missile did not hit the target. If other is marked, specify the cause.
- ag. Item 33. Sequence of events (TOW only).* This section applies to TOW missile firings only. Answers to the questions concerning events that should have occurred during the firing will assist personnel in analyzing failures. If possible, mark whether they did or did not occur. If it could not be observed whether these events occurred or not, mark unknown.
- ah. Item 34. Remarks, unusual missile flight or unusual behavior in any part of the system.* Any comments that would assist personnel in determining why a missile did not hit the target should be entered. Make the description as complete as possible, including any observations concerning equipment discrepancies noted after the flight.
- ai. Item 35. Date.* Enter the date of the report.
- aj. Item 36. Gunner's name (type or print).* Enter the gunner's name.
- ak. Item 37. Officer in charge (type or print).* Enter the name of the individual submitting the report.
- al. Item 38. DSN/commercial number.* Enter the DSN number or commercial telephone number.

8-3. Report accuracy and submittal

- a.* The report will be checked for accuracy.
- b.* The procedures for firing data report submittal will be in accordance with paragraph 6-2, above.

Chapter 9 HAWK and PATRIOT Weapon Systems

9-1. Procedure for completing DA Form 3120 (Missile Firing Data Report (HAWK and PATRIOT) (Report Control System AMC 224)

- a.* DA Form 3120 (Missile Firing Data Report (homing-all-the-way-killer (HAWK) and PATRIOT) is designed so that most questions can be answered with 1 word, a number, or a check mark in a box. A sketch, diagram, or a copy of the multichannel data recorder sheet (if available) should accompany the report to explain incidents that cannot be easily described or identified. If an item cannot be positively determined, it should be explained in item 34. When information is unknown or not available, enter unknown in the appropriate block.
- b.* All linear and velocity measurements will be in meters, kilometers, and meters-per-second.
- c.* The completed form, when filled in, is classified as CONFIDENTIAL.

9-2. Instructions for completing DA Form 3120

- a. Item 2.* Enter complete address for unit completing the missile firing.
- b. Item 3.* Enter the appropriate designation.
- c. Item 4.* Identify missile by type.
- d. Item 5.* Enter missile serial number and system/mission number.
- e. Item 6.* Check the appropriate box.
- f. Item 7.* Enter time and date of missile firing.
- g. Item 8.* Make appropriate entry.
 - (1) *Round and salvo.* Indicate the order of firing (for example, first round, second salvo).
 - (2) *Section.* Indicate the section that did the firing.
 - (3) *Single missile shoot.* This refers to 1 missile fired at 1 moving target in an engagement.
 - (4) *Deliberate.* Self-explanatory.
- h. Item 9.* Self-explanatory.
- i. Item 10.* Make appropriate entry. If the scoring and analysis unit cannot determine that the missile was successful or unsuccessful, nor can an evaluation of telemetry data or observation of target interception or destruction be determined, write unknown and explain in item 34.
- j. Item 11.* Only R, the radial miss distance, applies. Enter the value obtained from telemetry or other source in meters. If the miss distance is not known, enter unknown.
- k. Items 12, 13, 14.* Self-explanatory.
- l. Item 15.* Enter the time of flight (from launch to burst) to the nearest 1/10 second.

- m. Item 16.* Enter the type of warhead or specify if other than live warhead.
- n. Item 17.* Check the type of burst. Types of burst are defined as follows:
 - (1) *Normal.* Burst results from a signal reflected from the target.
 - (2) *Self-destruct.* Burst produced by built-in feature.
 - (3) *Command destruct.* Burst caused by manual command.
 - (4) *Ground impact.* Burst caused by impact with the ground.
 - (5) *Special.* Burst or simulated burst produced for research and development purposes.
 - (6) *Premature destruct.* Burst occurs before missile comes within range of the target.
 - (7) *None.* Explain failure to burst in item 34.
- o. Item 18.* Give both intercept speed and maximum speed for PATRIOT in meters-per-second.
- p. Item 19.* Record target altitude above the battery at intercept in kilometers.
- q. Item 20.* Record range at intercept.
- r. Item 21.* Record the type of target—
 - (1) *Description.* Propeller, turbojet, ramjet, missile or helicopter, towed dome, or simulated target (indicate simulator used, surface, or space point).
 - (2) *Type.* Actual (A), Offset (O), Simulator (S).
 - (3) *Nomenclature.* Record if applicable.
 - (4) *Augmentation.* Note when used.
 - (5) *Size.* Record target size in square meters when simulator is used.
- s. Item 22.* Check the type of course the target was flying at intercept. If applicable, write in whether the target was ascending, descending, or pop-up.
- t. Item 23.* Self-explanatory.
- u. Items 24 through 26.* Give target data in appropriate units.
- v. Item 27.* If the missile does not reach the intercept point, is lost, or if the flight termination is not observable, enter the last known missile data in appropriate units.
- w. Item 28.* Record reason for firing, for example, short notice annual practice, unit activation, or training.
- x. Item 29.* Enter the type of telemetry system used, if applicable.
- y. Item 30.* Record missile rocket motor data.
- z. Item 31.* Enter the temperature at the time of firing and describe the weather conditions such as clear, light, or heavy, rain, snow, sleet, fog, or wind.
- aa. Item 32.* Enter classification authority.
- ab. Item 33.* Enter declassification date.
- ac. Item 34.* Any items requiring further comment should be explained here. Number the comment to correspond to the applicable item. Any unusual performance should be reported. Reasons for an unsuccessful firing should be given as well as reasons for aborting a missile after firing.
- ad. Item 35.* Appropriate remarks as required, based on information provided in item 34.

9-3. Report accuracy and submittal

- a.* The report will be checked for accuracy.
- b.* The procedures for firing data report submittal will be in accordance with paragraph 6-2, above.

Chapter 10 Stinger Weapon System

10-1. Procedure for completing DA Form 7212 (Missile Firing Data Report (Stinger) (Report Control System AMC 224)

- a.* This form is designed so that most questions may be answered with 1 word, a number, or a check mark in a box.
- b.* The completed form and all requested data are unclassified.

10-2. Instructions for completing DA Form 7212

Any failure experienced during stinger firings will be documented fully in the remarks section at the bottom of the form.

- a. Item 1.* Enter name of individual completing the form.
- b. Item 2.* Enter the organization firing the missile.
- c. Item 3.* Enter the gunner's name.
- d. Item 4.* Enter date of missile firing attempt.

- e. *Item 5.* Enter time of firing attempt.
- f. *Item 6.* Enter missile serial number.
- g. *Item 7.* Enter lot number of the missile.
- h. *Item 8.* Enter the serial number of the gripstock.
- i. *Item 9.* Enter the serial number of the BCU.
- j. *Item 10.* Enter a check in the appropriate block for the location of the missile firing attempt. If the missile firing was attempted at site other than those listed enter the site name on the other line.
- k. *Item 11.* Enter a check in the appropriate block for the type of target.
- l. *Item 12.* Enter a check in the appropriate block for the type of launch platform
- m. *Item 13.* Enter a check in the appropriate block indicating if the gripstock functioned
- n. *Item 14.* Enter a check in the appropriate block for the firing analysis.
- o. *Item 15.* Enter a check in the appropriate block describing the analysis of the warhead function.
- p. *Item 16.* Enter a check in the block that appropriately describes the weather conditions at the time the firing was attempted.
- q. *Item 17.* Enter remarks if the missile flight was unusual or a target miss occurred.
- r. *Item 18.* Enter the name of the officer in charge and sign the form
- s. *Item 19.* Enter date the form is completed and the phone number of the individual completing the form to include DSN prefix and commercial number.

10-3. Report accuracy and submittal

- a. The report will be checked for accuracy.
- b. The procedures for firing data report submittal will be in accordance with paragraph 6-2, above.

Chapter 11

Army Tactical Missile System/Multiple Launch Rocket System (Report Control System AMC 224)

11-1. Procedure for completing DA Form 5582 (Army Tactical Missile System Missile/Multiple Launch Rocket System Practice Rocket Firing Data Report)

- a. The completed DA Form 5582 is unclassified.
- b. For each firing mission or ripple, complete 1 or more reports, depending upon the number of missiles or rockets in the mission or ripple and number of attempts to complete each mission or ripple. A maximum of 9 missile firing attempts for ATACMS or 9 rocket-firing attempts can be accommodated on 1 report. In this case, indicate REPORT 1 of 1 for this mission or ripple on the top of this report. For MLRS firings only, firing missions or ripples that have more than 9 successful rocket firings or more than 9 successful and unsuccessful firing attempts in 1 mission or ripple must be recorded on at least 2 reports. In this case, indicate REPORT 1 of 2 on the first report and REPORT 2 OF 2 on the second report of this mission or ripple. The report is composed of 4 main data sections, I, II, III, and IV. Single thick line borders separate the sections.

11-2. Instructions for completing DA Form 5582

- a. Section I (GENERAL DATA) contains CCs 1 through 69 and is completed once on each report for each mission or ripple. For MLRS firings only, 2 blocks, CC 30 (FUZE SET TIME) and CC 44 (MLRS RIPPLE INTERVAL) require decimal points, which are preset. Indicate whether a missile launch pod or rocket pod (RP) is loaded in the left hand, right hand, or both sides of the launcher by completing the proper spaces of CC 47 (LEFT (L)), associated lot number. CC 53 or CC 63 (RIGHT (R)), and associated LOT NUMBER 69.
- b. Section II (MISSILE/ROCKET FIRING ATTEMPTS DATA) concerns the data required for each mission or ripple missile or rocket firing attempt, whether the attempt results in an actual firing or not. Encircle the proper letters and fill in the proper blanks for each of these missile or rocket firing attempts. Data provided in CC 26 (LAUNCHERS FAILED) is significant in relating the primary cause of a missile or rocket fire attempt failure. An encircled Y indicates that the failure cause was the launcher, but an encircled N indicates it was the missile or rocket identified in CC 31 (ROCKET POSITION IN RP or MISSILE or LAUNCH POD ASSEMBLY). For MLRS firings only, data provided in CC 28 (RIPPLE SEQUENCE POSITION) relates to firing rocket sequence position of a ripple mission. If this is a single rocket firing mission, leave CC 28 blank and encircle 2 in CC 41 (MLRS RIPPLE FIRE) of section I. Data provided in CC 31 of section II (ROCKET POSITION IN RP), relate to those missile or rocket positions in the left and right missile or RPs, positioned in the MLRS launcher, as depicted in the sketch on the report. For MLRS firings only, fill in the following blocks as indicated if rocket 5 from the right RP is the ninth and last rocket firing attempt of a 9-rocket ripple, for CC 28 enter 09 and for CC 31 enter L R 5. Data provided in CC 50 (ROCKET SENT TO ammunition supply point) will indicate whether each missile is fired or returned to the ammunition supply point. If it is

returned, encircle the Y but if it is fired, encircle the N. The event descriptions in table 11–1, below, are provided for use in completing MISSILE or ROCKET PHASE FIRING RESULT blocks: CC 38 (PREFLIGHT), CC 41 (FLIGHT), CC 44 (FUZE), and CC 47 (WARHEAD) of section II.

c. Section III provides the space for recording significant details of each failed firing attempt, including launcher and missile, rocket, or missile or launch pad assembly, or RP failures. Correlate the failure details of section III of a particular missile or rocket described in Section II by inserting the Section II, CC 25 (ATTEMPTS) preset digit (1 through 9) into the proper Section III, CC 25 (ATTEMPT NUMBER) space. If more space is needed than section III provides, use the reverse side of the report.

d. Section IV provides the space for recording the report completion date and name, address, and telephone number of the officer in charge.

e. Use Section IV to provide information on the ATACMS concerning

(1) Phase success failure no–test prelaunch missile achieves first motion, prelaunch test failure, or no motion after firing attempt

(2) Prelaunch failures, accidents, deliberate abuse. Launch and flight missile follows prescribed trajectory to dispense, and warhead event

(3) Missile failed to follow proper trajectory, did not arrive at programmed destination, or no warhead event occurred

(4) MLRS preflight rocket leaves the launcher on firing attempt.

(5) Rocket does not launch on fire attempt and the failure is caused by the rocket or RP rocket does not launch on fire attempt and the failure was caused by launcher malfunction flight rocket trajectory appears to be correct in azimuth and range and height.

(6) Rocket trajectory is obviously out of azimuth or range or height. There was a preflight failure or no–test.

(7) Fuse smoke, simulating warhead event, is observed. Smoke is not observed.

(8) There was a preflight failure or no–test. Warhead same indication as for fuse success and impact is not monolithic.

(9) Same indication as for fuse but impact is monolithic.

(10) There was a preflight failure or no–test or a fuse failure.

Table 11–1
Event description for ATACMS and MLRS

Phase	Success	Failure	No–test
ATACMS			
Prelaunch	Missile achieves first motion	Prelaunch test failure or no motion after firing attempt	Prelaunch failure, accidents, deliberate abuse
Launch and flight	Missile follows prescribed trajectory to dispense, and warhead event	Missile failed to follow trajectory, did not arrive at programmed destination, or no warhead event occurred	Prelaunch failure, accidents, deliberate abuse
MLRS			
Preflight	Rocket leaves the launcher on firing attempt	Rocket does not launch on fire attempt and the failure is caused by the rocket or pod	Rocket does not launch on the fire attempt and the failure was caused by launcher malfunction
Flight	Rocket trajectory appears to be correct in azimuth, range, and height	Rocket trajectory is obviously out of azimuth, range, or height	There was a preflight failure or no–test
Fuse	Smoke, simulation warhead event is observed	Smoke is not observed	There was a preflight failure or no–test
Warhead	Same as indication for fuse success and impact is not monolithic	Same indication as for fuse, but impact is monolithic	There was a preflight failure, no–test, or fuse failure

11-3. Report accuracy and submittal

- a. The report will be checked for accuracy.
- b. The procedures for firing data report submittal will be in accordance with paragraph 6-2, above.

Chapter 12 Hellfire Weapon System

12-1. Procedure for completing DA Form 5583 (Missile Firing Data Report (Hellfire) (Report Control System AMC 224)

- a. The completed DA Form 5583 and all requested data are unclassified.
- b. The DA Form 5583 is designed so that appropriate blocks are checked or blanks filled in with the required data. All numeric data should be filled in with the last digit in the right most position.
- c. If an item cannot be positively determined, mark the other block and then fill in the appropriate answer in block 44. If additional space is needed, continue on the back of the form.

12-2. Instructions for completing DA Form 5583

Most of the blocks on the form are self-explanatory. Entries should be made in all blocks. Blocks which are not applicable or the information is unknown should be notated as such. The items listed below require further clarification—

- a. *From*. Enter the complete mailing address for the unit attempting to fire the missile.
- b. *Item 1*. Check the appropriate block for the location where the missile firing attempt occurred. If other, provide location in space provided.
- c. *Item 2*. Enter the serial number of the missile.
- d. *Item 3*. Enter the lot number of the missile.
- e. *Item 4*. Enter the serial number of the missile launcher.
- f. *Item 5*. Enter the local military time.
- g. *Item 6*. Enter the date in month/day/year format.
- h. *Item 7*. Enter the ambient temperature and check the block to indicate if the temperature is recorded as Centigrade or Fahrenheit.
- i. *Item 8*. Check the appropriate block for the wind velocity.
- j. *Item 9*. Check the block that most appropriately describes the weather.
- k. *Item 10. Visible obscurants*. Indicate whether visible obscurants were natural or induced. If no obscurants were observed enter none.
- l. *Item 11*. Check the block that best describes why the firing attempt was made. If other, explain.
- m. *Item 12*. Check the block that indicates the firing agency. If other, explain.
- n. *Item 13*. Enter the number of missile firings the gunner has made.
- o. *Item 14*. Check the block for the firing platform. If other, explain.
- p. *Item 15*. Check the block that indicates the appropriate designator mode used.
- q. *Item 16. Designator offset*. If exact offset is not known, enter your best estimate.
- r. *Item 17. Target offset*. The target offset angle is the difference between the A/C azimuth reference line and the Target Acquisition Designator System (TADS) pointing angle. It can be read directly from the TADS pointing angle (^) open caret relative to the lubber line (for example, TADS tracking target 5 degrees to the right of the lubber line). Target offset is 5 right.
- s. *Item 18. Type of launch*. If the launch mission was a rapid or ripple firing, a separate firing report will be submitted for each missile fired.
- t. *Item 19*. Check block for the appropriate firing mode used.
- u. *Item 20*. Enter the lock on after launch delay time in seconds after missile separation.
- v. *Item 21. Check target type*. If moving, enter speed in miles per hour.
- w. *Item 22*. Check block for target type used. If other, enter target type.
- x. *Item 23*. Check block for target size. If other, enter size.
- y. *Item 24*. Check block for target condition.
- z. *Item 25*. Enter the distance to target from launch platform in kilometers.
- aa. *Item 26*. Enter type designator used. If other, explain.
- ab. *Item 27*. Check tracking method used.
- ac. *Item 28*. Check block for boresight used.
- ad. *Item 29*. Check block for type of target acquisition sensor used.

- ae. Item 30.* Check block that indicates if backscatter methods are used.
- af. Item 31.* Check block for the position the counter-countermeasure switch was in when firing attempt was made
- ag. Item 32.* Check block indicating the position of the laser range finder/designator counter-countermeasure switch when firing attempt was made.
- ah. Item 33.* Enter the A/C altitude.
- ai. Item 34.* Enter the A/C tail number.
- aj. Item 35.* Enter the call sign for the A/C.
- ak. Item 36.* Enter the speed of the A/C in knots.
- al. Item, 37.* Check the block that indicates the position of the missile on the launcher when the firing attempt was made.
- am. Item 38.* Check the block to indicate if a cockpit video was available.
- an. Item 39.* Check block indicating if the prelaunch BIT indicated a pass, or failure, or was not preformed.
- ao. Item 40.* Check the block to indicate if the missile launched or not.
- ap. Item 41. Missile impact.* If the missed target block is checked, complete all appropriate categories. (For example, the missile over flies the target, impacting 5,000 meters from the launcher, to the right of the target. The long and right blocks would be checked, and the estimated range from launcher to impact point would be 5 kilometers.)
- aq. Item 42.* Check appropriate block indicating if the warhead detonated.
- ar. Item 43.* If the target was missed, check block that most accurately describes why.
- as. Item 44.* If the target was missed, describe flight below, especially missile behavior. This block must be filled out in the case of a target miss for any reason. Provide as much information as possible, using the reverse side of the form if necessary.

12-3. Report accuracy and submittal

- a.* The report will be checked for accuracy.
- b.* The procedures for firing data report submittal will be in accordance with paragraph 6-2, above.

Chapter 13

LONGBOW Weapon System

13-1. Procedure for completing DA Form 3662 (Missile Firing Data Report (LONGBOW))

- a.* The completed DA Form 3662 and all requested data are unclassified.
- b.* The DA Form 3662 is designed so that appropriate blocks are checked or blanks filled in with the required data. All numeric data should be filled in with the last digit in the right most position.
- c.* If an item cannot be positively determined, mark the other block and then fill in the appropriate answer in the space provided. If additional space is needed, continue on the back of this form.

13-2. Instructions for completing DA Form 3662 (LONGBOW)

Entries should be made in all blocks.

- a. From.* Enter the complete address, to include zip code, for the unit attempting the missile firing.
- b. Item 1.* Check the appropriate block for where the missile firing attempt occurred. If the other block is checked, indicate the location.
- c. Item 2.* Enter the serial number for them missile
- d. Item 3.* Enter the lot number for the missile
- e. Item 4.* Enter the serial number for the missile launcher
- f. Item 5.* Enter the local time
- g. Item 6.* Enter the month, day and year the missile firing attempt occurred.
- h. Item 7.* Enter the ambient temperature and check the block to indicate if the temperature is recorded as Centigrade or Fahrenheit.
- i. Item 8.* Check the appropriate block indicating the wind velocity.
- j. Item 9.* Check the block that indicates the weather condition.
- k. Item 10.* Check the block indicating obscurants at the point where the firing attempt was made.
- l. Item 11.* Check the block that best categorizes why the firing attempt was made.
- m. Item 12.* Check the block that indicates the firing agency. If other, explain.
- n. From.* Indicate the number of missile firings the gunner has made.
- o. Item 1.* Check the block for the launch platform. If other, explain.
- p. Item 2.* Check the block that indicates target handover.

- q. *Item 3.* Fill in the improved data modem source tail number, radio call sign, range to target, and position confidence number.
- r. *Item 4.* Enter the degrees of target offset and check if to the right or left.
- s. *Item 5.* Check the block that indicates the firing mode.
- t. *Item 6.* Enter the estimated time between A/C target handover and the trigger pull, in seconds.
- u. *Item 7.* Check the appropriate block indicating if the target was stationary or moving.
- v. *Item 8.* Check the block indicating target type. If other, specify.
- w. *Item 9.* Enter the range to target in kilometers.
- x. *Item 10. Visible obscurants.* Check the block indicating the TADS tracking method used.
- y. *Item 11.* Indicate the bore sight used.
- z. *Item 12.* Enter the altitude.
- aa. *Item 13.* Enter the tail number of the A/C from which the firing attempt was made.
- ab. *Item 14.* Enter the call sign from the A/C from which the firing attempt was made.
- ac. *Item 15.* Enter the A/C speed in knots.
- ad. *Item 16. Designator offset.* Check the position that indicates the position of the missile on the A/C when the firing attempt was made.
- ae. *Item 17. Target offset.* Check appropriate block indicating if a cockpit video is available.
- af. *Item 18. Type of launch.* Check the appropriate block indicating if the prelaunch power BIT passed or failed.
- ag. *Item 19.* Check the appropriate block indicating if the prelaunch manual initiated BIT passed or failed.
- ah. *Item 20.* Check the appropriate block indicating if the prelaunch continuous BIT passed or failed. If there was a failure, provide degrees/minutes/seconds failure description.
- ai. *Item 21. Check target type.* Check the appropriate block indicating if the missile was launched.
- aj. *Item 22.* Check the block indicating missile impact.
- ak. *Item 23.* Indicate if the missile detonated, failed to detonate, or was unobserved.
- al. *Item 24.* Check the probable cause if the missile missed target.
- am. *Item 25.* Describe the flight and missile behavior.

13-3. Report accuracy and submittal

- a. The report will be checked for accuracy.
- b. The procedures for firing data report submittal will be in accordance with paragraph 6-2, above.

Appendix A References

Section I Required Publications

AR 75-1

Malfunctions Involving Ammunition and Explosives (RCS CSGLD-1961 (MIn)). (Cited in para 6-2c.)

AR 700-19

U.S. Army Munitions Reporting Systems. (Cited in paras 2-1, 3-2k(3), 6-1, 6-2a.)

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.

AR 5-13

Training Ammunition Management

AR 73-1

Test and Evaluation Policy

AR 190-11

Physical Security of Arms, Ammunition, and Explosives

AR 700-28

Committee for Ammunition Logistics Support

AR 710-2

Supply Policy Below the National Level

AR 725-50

Requisition, Receipt, and Issue System

AR 735-5

Policies and Procedures for Property Accountability

AR 380-5

Department of the Army Information Security Program

AR 702-6

Ammunition Stockpile Reliability Program (ASRP)

AR 735-11-2

Reporting of Supply Discrepancies

DOD 4160.21-M-1

Defense Demilitarization Manual. (Available at <http://www.dtic.mil/whs/directives/>.)

DOD 4500.9-R

Defense Transportation Regulation. (Available at <http://www.usace.army.mil/publications/>.)

DODI 4160.62

Management and Disposition of Material Potentially Presenting an Explosive Hazard (MPPEH). (Available at <http://www.dtic.mil/whs/directives/>.)

SB 742-1

Inspections of Supplies and Equipment Ammunition Surveillance Procedures, 15 July 2006. (Available at <http://www.osc.army.mil/ib/ibq/surv/gen/survinfo.htm>.)

TB 9-1300-385

Munitions, Restricted, or Suspended. (Available at <http://www.afsc.army.mil>.)

Section III

Prescribed Forms

Unless otherwise indicated, DA forms are available on the APD Web site (<http://www.apd.army.mil>); DD forms are available on the OSD Web site (<http://www.dtic.mil/whs/directives/infomgt/forms/formsprogram.htm>).

DA Form 3120

Missile Firing Data Report (Hawk and Patriot)

DA Form 5582

ATACMS Missile/MLRS Practice Rocket Firing Data Report

DA Form 5583

Missile Firing Data Report (Hellfire)

DA Form 7212

Missile Firing Data Report (Stinger)

DA Form 7213

Missile Firing Data Report (Dragon and TOW)

DA Form 3474

Missile Firing Data Report (JAVELIN)

DA Form 3662

Missile Firing Data Report (LONGBOW)

Section IV

Referenced Forms

DA Form 250

Material Inspection and Receiving Report

Glossary

Section I Abbreviations

AAP

Army ammunition plant

A/C

aircraft

ACOM

Army Command

AMC

U.S. Army Materiel Command

AMCOM

Army Aviation and Missile Command

ARDEC

U.S. Army Armament, Research, Development, and Engineering Center

ASP

ammunition supply point

ATACMS

Army Tactical Missile System

ATEC

U.S. Army Test and Evaluation Command

BCU

battery coolant unit

BIT

built-in test

CAT I

Category 1

CC

condition code

CIIC

controlled inventory item code

CLU

command launch unit

CONUS

continental United States

CRDEC

U.S. Army Chemical, Research, Development, and Engineering Command

DA

Department of the Army

DA Pam

Department of the Army pamphlet

DCS, G-3/5/7

Deputy Chief of Staff, G-3/5/7

DCS, G-4

Deputy Chief of Staff, G-4

DEMIL

demilitarize

DES

destroyed

DOD

Department of Defense

DODAAC

Department of Defense activity address code

DODAC

Department of Defense Ammunition Code

DODIC

Department of Defense Identification Code

ETM

elapsed time meter

EUSA

Eighth U.S. Army

FMS

foreign military sales

FORSCOM

U.S. Army Forces Command

FSA

forward support area

FY

fiscal year

GMLR

guided missiles and large rockets

GOCO

Government-owned, contractor-operated

HAWK

homing-all-the-way-killer

HQDA

Headquarters, Department of the Army

ID

Identification

IMCOM

U.S. Army Installation Management Command

JMC

Joint Munitions Command

JMLCMC

Joint Munitions Life Cycle Management Center

L

left

LMP

Logistics Modernization Program

MLRS

Multiple Launch Rocket System

MMC

Materiel Management Center

MPH

miles per hour

MRO

materiel release order

MSC

major subordinate command

MTMS

Munitions Transportation Management System

NA

not applicable

NICP

national inventory control point

NSN

national stock number

OCONUS

outside continental United States

PAD

propellant actuated device

PATRIOT

phased array track intercept of target

PBUSE

property book unit supply enhanced

POD

port of discharge

R

right

RIC

routing identifier code

RDTE

research, development, test, and evaluation

RES

reserve

RP

rocket pod

SAAS

Standard Army Ammunition System

SB

supply bulletin

SDDC

Military Surface Deployment and Distribution Command

SDS

Standard Depot System

SFSJM-LIT

Munitions Logistics Readiness Center Transportation Office

SP

storage point

SSA

supply support activity

TACOM

U.S. Army Tank-Automotive Command

TADS

Target Acquisition Designator System

TAMIS

Total Ammunition Management Information System

TIR

turn-in of serial number residue

TOW

tube launched optically tracked wire guided missile

TRADOC

U.S. Army Training and Doctrine Command

UIC

unit identification code

UIT

unique item tracking

USARPAC

U.S. Army Corps of Engineers

WARS

Worldwide Ammunition Reporting System

WPS

Worldwide Port System

WRSA

war reserve stock for allies

Section II**Terms****C-band**

A nontactical electronic beacon installed in a missile during test to enhance radar tracking.

Hangfire

The situation that occurs when the rocket propellant is ignited by the firing impulse but the rocket fails to exit the launcher within the expected time.

Mils

A unit of angular measure used in artillery and equal to 1/6400 of 360 degrees.

Misfire

Failure of the primer or the propelling charge of a round to function, wholly or in part.

Munitions

Ammunition, guided missiles, and rockets.

Range inter

Range to intercept of target.

Report

Missile firing data report.

Section III**Special Abbreviations and Terms**

This section contains no entries.

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PIN 070474-000