



OFFICE OF THE ASSISTANT SECRETARY OF WAR

3500 DEFENSE PENTAGON
WASHINGTON, DC 20301-3500

SUSTAINMENT

MEMORANDUM FOR SUPPLY PROCESS REVIEW COMMITTEE

SUBJECT: Approved DLMS Change 1522: Ammunition Batch/Lot and Serial Number Data in DLMS 856S

1. Purpose. The attached Defense Logistics Management Standards (DLMS) change is approved for immediate implementation.

2. Background & Key Enhancements. This Approved Defense Logistics Management Standards Change (ADC) 1522 expands the capabilities of the DLMS 856S (Shipment Status) transaction to allow for more detailed reporting of ammunition quantities. The key changes authorized by this ADC include:

- Detailed Ammunition Reporting: Authorizes the reporting of ammunition by both batch/lot number and serial number. This represents a significant enhancement for Item Unique Identification (IUID) tracking.
- Structural Update: Authorizes a new use for the SN1 segment within the "IUID loop" of the 856S transaction to support these more detailed reporting requirements.

3. Points of Contact. Please direct any questions regarding this implementation as follows:

- Primary Contact: Dr. Gail Fuller, email: DEDSO.Supply@dla.mil.
- All Others: Please contact your designated Process Review Committee (PRC) Representative, as listed on the Defense Enterprise Data Standards Office (DEDSO) Committee Contacts Webpage.

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Erica H. Plath
Deputy Assistant Secretary of War
for Logistics

Attachment:

TAB 1 - Approved DLMS Change 1522

Approved Defense Logistics Management Standards Change 1522 Expand Usage of Item Unique Identification in Defense Logistics Management Standard 856S to Accommodate Ammunition Batch/Lot and Serial Number Data (Supply)

1. ORIGINATING SERVICE/AGENCY AND POC INFORMATION:

a. **Technical POC:** Kurt Phoel, U.S. Army Logistics Modernization Program (LMP), Program Analyst, kurt.m.phoel.ctr@army.mil

b. **Functional POC:** Robert (Bob) Johnson, Headquarters, Army Materiel Command Ammunition Business Team Lead, robert.w.johnson4.civ@army.mil

2. REASON FOR CHANGE:

a. **Bottom Line Up Front:**

(1) The approved modification to the U.S. Army's procedures aims to enable the Defense Logistics Management Standard (DLMS) 856S (Shipment Status) transactions to transmit quantities in detail at both the batch/lot and serial number.

(2) Each batch/lot may include one or more associated serial numbers, however, the current DLMS 856S Implementation Convention (IC) does not support this requirement.

(3) Any affected ammunition systems within the DoW Components will implement this change upon approval.

b. **Background:**

(1) Initial testing between the U.S. Army (LMP), U.S. Air Force, and Defense Automatic Addressing System (DAAS) of the Item Unique Identification (IUID) enhancements for the DLMS 856S implemented under reference 10.b. identified gaps in the solution that did not address ammunition specific requirements for quantity reporting.

(2) Ammunition materials can be managed in one of three ways:

(a) **Serial number only.** The current DLMS 856S IC supports this reporting, with an implied quantity of one in the REF segment, which matches the shipment quantity in the SN1 segment.

(b) **Batch/lot number only.** The current DLMS 856S IC does not support reporting of quantities at the batch/lot level.

(c) **Batch/lot and serial number.** The current DLMS 856S IC does not support reporting by multiple identification types.

(3) Reference 10.a. authorized the addition of a quantity field to the REF04 segment in the DLMS 527R (Physical Receipt and Materiel Receipt Acknowledgement (MRA)) and DLMS 867I (Issue transactions), only to support U.S. Navy serial number and lot number reports (Navy Document Identifier Codes BG1 and BG2).

(4) Reference 10.b. added IUID data and fields to the DLMS 856S transactions.

(5) References 10.c. and 10.d. established additional IUID reporting requirements for service-owned assets and component-owned assets stored at Defense Logistics Agency (DLA) Distribution Centers, respectively.

3. CHANGE IN DETAIL:

a. Technical Details:

(1) The Military Services require ammunition shipments to identify quantity at both the batch/lot and serial number levels, if both are applicable for the classes of supply (Class V) ammunition items being shipped.

(2) The current DLMS 856S IC only supports serial number reporting, but not the associated quantities at the batch/lot level, nor does it support the reporting of shipments that are both batch/lot and serial number managed.

(3) The SN1 segment will need to be authorized to be used in the HL03 = I (IUID) loop to indicate batch/lot quantities for batch/lot and serial number managed materials only, to allow ease of reporting at both the serial number level and batch/lot level.

(4) The REF segment will need to be authorized to contain a quantity qualifier to:

(a) Allow the identification of shipped quantity at the batch/lot level for batch/lot number managed materials.

(b) Support reporting for batch/lot and serial number managed materials.

(5) Batch/lot number managed:

(a) The REF segment will need to allow quantity reporting at the REF04 composite segment, using Code "0N" (0 = zero), matching the change implemented in reference 10.a.

(b) This is demonstrated with the changes shown in red font in the example provided (see section (3.a.(5)(c)).

(c) In this example, we are reporting a total quantity of 3,360 each, consisting of three batches with various quantities, with the relevant segments included:

```
HL*2**W
SN1**3360*EA
... (intervening segments excluded for brevity)
HL*3**I
REF*BT*LC-18F108-063**ON*1000
REF*BT*LC-18F108-064**ON*1200
REF*BT*LC-18F108-065**ON*1160
```

(6) Batch/lot and serial number managed:

(a) The REF segment will need to allow serial numbers to be recorded in the REF04 composite segment, matching the current inclusion of fund code and long line of accounting data elements.

(b) To facilitate reporting at both the batch/lot and individual levels, a separate item loop will be used for each batch/lot.

(c) This is demonstrated below (see section 3.a.(6)(d)), with the changes shown in red font.

(d) In this example, we are reporting a total quantity of four each, consisting of two batches, each of which contains two serial numbers, with the relevant segments included. In each instance the REF segment quantity is implied to be one each.

```
HL*2**W
SN1**4*EA
... (intervening segments excluded for brevity)
HL*3**I
SN1**2*EA
REF*BT*VGT21K070M111**SE*00000000000000001174
REF*BT*VGT21K070M111**SE*00000000000000001175
HL*4**I
SN1**2*EA
REF*BT*VGT21K070M122**SE*00000000000000001176
REF*BT*VGT21K070M122**SE*00000000000000001177
```

b. **Revised Transaction Flow:** There are no changes to the transaction flow.

4. **IMPLEMENTATION TARGET:** Upon approval.

5. **TECHNICAL IMPACT:**

a. **Additions or Changes to Data Elements:** No changes to data elements, other than the required authorization of the use of additional codes.

b. Automated Information Systems (AIS):

(1) Service AIS sending or receiving DLMS 856S shipment status for ammunition materials that are either batch/lot managed, or batch/lot and serial number managed, will need to:

(a) be modified to transmit and/or receive quantities for batch/lot managed materials, or

(b) include serial numbers with batch/lot and serial number managed materials.

(2) Known systems impacted by this change are:

System Name	Responsible Component	DoW Information Technology Portfolio Repository Number
Logistics Modernization Program (LMP)	U.S. Army	232
Enterprise Business Systems - Convergence (EBS-C)	U.S. Army	117133
Ordnance Information System - Marine Corps (OIS-MC)	U.S. Marine Corps	727
Ordnance Information System (OIS)	U.S. Navy	727
Theater Integrated Combat Munitions System (TICMS)	U.S. Air Force	26769

c. Defense Automatic Addressing System (DAAS):

(1) Required to modify edits for SN1 segment to ignore the quantities in the IUID loops and only count quantities in the shipment loops. See Enclosure 1.

(2) DAAS will need to exclude any quantity in the SN1 segment within the IUID loop to avoid double-counting quantities and only include quantities in the HL03 = W (Shipment) loop, with the changes shown in blue font in the example provided (see section 3.a.(6)(d)).

6. PUBLICATION/POLICY IMPACT:

a. **Defense Logistics Manual (DLM) 4000.25:** None identified.

b. **Non-DLM 4000.25 Publications:** None identified.

7. **ASSUMPTIONS:** None identified.

8. FINANCIAL IMPROVEMENT AND AUDIT REMEDIATION (FIAR), MATERIAL WEAKNESS, AND AUDIT-RELATED INFORMATION:

a. **Notices of Findings and Recommendations (NFRs):** None identified.

b. **Corrective Action Plan (CAP) References:** None identified.

c. **Other FIAR, Material Weakness, and Audit-Related Information:** None identified.

9. END-TO-END TESTING REQUIREMENTS:

a. Detailed testing between DAASTesting@dla.mil and all systems for all types of batch/lot and serial number managed materials will be required to ensure that data is sent and received as expected.

b. Some degree of regression testing is expected for non-ammunition materials to ensure those processes remain unaffected.

10. REFERENCES:

a. ADC 261, Migrate Navy Serial Number and Lot Number Transactions (NAVSUP P-724 BG1/BG2) to DLMS 527R Receipt, 867I Issue, and 947I Inventory Adjustment, dated 07 January 2008.

b. ADC 1030, Implementation of DOD Item Unique Identification (IUID) Supply Policy in DLMS Shipment Status and Associated Supply Discrepancy Report (SDR) Procedures, dated 21 February 2013.

c. ADC 1244, Establishing Visibility of Unique Item Tracking (UIT) Program Items for Service-Owned Assets Stored at DLA Distribution Centers and Corresponding Revisions to Inventory Procedures Related to Capital Equipment, dated 07 June 2018.

d. ADC 1244B, Establishing Visibility of Unique Item Tracking Program Items for Component-Owned Assets Stored at DoD Storage Activities and Corresponding Revisions to the Small Arms and Light Weapons Program, dated 22 April 2022.

e. DoD Manual 4160.21, Volume 1, Defense Materiel Disposition: Disposal Guidance and Procedures, dated 31 August 2022.

Enclosure 1

Revise the following Defense Logistics Management Standards (DLMS) Implementation Convention (IC) as shown. Additions are identified by **bold red** font and deletions by ~~red strikethrough~~ text.

#	Location	Revision (4030) 856S, Shipment Status	Reason
1.	DLMS Introductory Note	<p><u>Added ADC 1522 to DLMS Introductory Note 5:</u></p> <p>- ADC 1522 Expand Usage of Item Unique Identification (IUID) in the DLMS 856S to Accommodate Ammunition Batch/Lot, and Serial Number Data.</p>	To identify DLMS changes included in the 856S/ Shipment Status.
2.	2/HL03/0100	<p><u>Modify existing DLMS Note for Code I, Item:</u></p> <p>DLMS Note: Use to identify IUID data consistent with IUID data requirements. The IUID data is carried in the REF, and N1, and SN1 segments; no other segments are used in the IUID loop. Use a separate IUID loop for each item. For ammunition, use a separate IUID loop for each batch/lot number for materials that are managed by both batch/lot and serial number. If an RFID is provided at the item level, it will be reflected in this loop. Skip this level when not applicable.</p>	To correct the segments authorized for use in the segment and to facilitate the reporting of quantities at both the batch/lot number and serial number.
3.	2/SN1/0300	<p><u>Update existing DLMS Note, renumber as DLMS Note 1, and add DLMS Note 2:</u></p> <p>DLMS Note: 1. Must use only in 2/HL/0100 shipment status loop to identify the number of units shipped. 2. May use in 2/HL/0100 IUID loop to identify batch/lot level quantities when the material is also serial number managed.</p>	To clarify that a second iteration of the segment is authorized to be used to report the batch/lot quantity.
4.	2/SN102/0300	<p><u>Add a new DLMS Note 9:</u></p> <p>DLMS Note: 9. For ammunition with batch/lot and serial number reporting, use only in 2/HL/0100 Code “W” shipment status loop to identify the total quantity shipped, and in the 2/HL/0100 Code I IUID data loop to indicate batch/lot level quantities. Individual batch/lot and serial number quantities in the shipment are reported in the 2/REF/1500 segment in 2/HL/0100 Code “I” IUID data loops.</p>	To identify the relationship between the shipment quantity and the quantities at the batch/lot and serial number level of detail.

#	Location	Revision (4030) 856S, Shipment Status	Reason
5.	2/REF04-01/1500	<p>Add new DLMS Notes 4 and 5, and add the corresponding 0N and SE qualifiers:</p> <p>DLMS Note:</p> <p>4. For ammunition, use code “0N” with REF01 code “BT” to identify the quantity at the batch/lot number level for items that are only batch/lot number managed.</p> <p>5. For ammunition, use code “SE” with REF01 code “BT” to identify the serial number for items that are managed by both batch/lot and serial number.</p> <p>Code: “0N” Attached To</p> <p>DLMS Note:</p> <p>1. Use with REF01 Code “BT” to identify the quantity at the batch or lot level. This is only used on the parent HL02 shipment loop.</p> <p>2. When REF01 Code “BT” is at the parent HL02 shipment loop, the total quantity must match the shipment quantity reported in SN102.</p> <p>Code: “SE” Serial Number</p> <p>DLMS Note:</p> <p>1. Use for ammunition materials when the material is managed by both batch/lot and serial number.</p> <p>2. The serial number may not exceed 30 characters and may only include alphanumeric characters, dashes, and forward slashes. Spaces are not allowed.</p> <p>3. DLMS enhancement: See introductory DLMS Note 2f.</p>	<p>To allow reporting of quantities at the batch/lot level for batch/lot managed materials, and to allow the reporting of serial numbers for batch/lot and serial number managed materials.</p>

Enclosure 2

The Official Response Form for Proposed Defense Logistics Management Standards Change (PDC) 1522 is below.

OFFICIAL COMPONENT RESPONSE FORM FOR PDC 1522				
#	Location (Page/ Para)	Critical or Substantive	Comments, Justification, Recommended Change(s) and Defense Enterprise Data Standards Office (DEDSO) Justification for Resolution	Point of Contact
1.	NA	NA	Component Comment and Justification: Concur without comment. Component Recommended Change: Insert recommendation. DEDSO Response: Accept. DEDSO Reasoning: Insert reasoning.	Name: US Navy, Gerald O'Sullivan Phone: (717) 732-9359 E-mail: gerald.f.osullivan.civ@us.navy.mil <input type="checkbox"/> Same as initial comment row above.
2.	NA	NA	Component Comment and Justification: Concur without comment. Component Recommended Change: Insert recommendation. DEDSO Response: Accept. DEDSO Reasoning: Insert reasoning.	Name: DAAS, Pablo Gomez Phone: (267) 602-1744 E-mail: pablo.gomez@dla.mil <input type="checkbox"/> Same as initial comment row above.
3.	NA	NA	Component Comment and Justification: Concur without comment. Component Recommended Change: Insert recommendation. DEDSO Response: Accept. DEDSO Reasoning: Insert reasoning.	Name: DLA, Brian Anderson Phone: 445-737-5891 E-mail: brian.j2.anderson@dla.mil <input type="checkbox"/> Same as initial comment row above.
4.	NA	N/A	Component Comment and Justification: Concur without comment. Component Recommended Change: Insert recommendation. DEDSO Response: Accept. DEDSO Reasoning: Insert reasoning.	Name: US Air Force, William Wenzel Phone: 703-697-2611 E-mail: william.wenzel.1@us.af.mil <input type="checkbox"/> Same as initial comment row above.
5.	NA	N/A	Component Comment and Justification: Concur without comment. Component Recommended Change: Insert recommendation. DEDSO Response: Accept. DEDSO Reasoning: Insert reasoning.	Name: US Army, Tiffanie Dew Phone: 256-450-6905 E-mail: tiffanie.dew.civ@army.mil <input type="checkbox"/> Same as initial comment row above.
6.	NA	N/A	Component Comment and Justification: No response/concur. Component Recommended Change: Insert recommendation. DEDSO Response: Accept. DEDSO Reasoning: No response within 30 days represents concurrence,	Name: USMC Phone: E-mail: Insert e-mail. <input type="checkbox"/> Same as initial comment row above.