



DEFENSE LOGISTICS AGENCY
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IN REPLY
REFER TO J627

April 12, 2011

MEMORANDUM FOR SUPPLY PROCESS REVIEW COMMITTEE (PRC) MEMBERS

SUBJECT: Approved Defense Logistics Management System (DLMS) Change (ADC) 411,
Update Functionality for DLMS 856S Shipment Status and DLMS 945A Material
Release Advice (Supply/AIT) (Staffed as PDC 444)

The attached change to DOD 4000.25-M, DLMS, is approved for implementation. The updated DLMS Supplement will be posted to the DLA Logistics Management Standards Web site <http://www.dla.mil/j-6/dlms/eLibrary/TransFormats/formats.asp> within **10** days from the above date for implementation planning.

To facilitate a coordinated implementation by impacted systems, DLA Transaction Services will implement the modified transaction maps on July 15, 2011. Systems are requested not to implement prior to this date.

Addressees may direct questions to the DLA Logistics Management Standards points of contacts, Ms. Heidi Daverede, 703-767-5111; DSN 427-5111, or e-mail: heidi.daverede@dlm.mil; or Ms. Ellen Hilert, Chair, Supply Process Review Committee, 703-767-0676, DSN 427-0676, or e-mail: ellen.hilert@dlm.mil. Others must contact their Component designated representative.

A handwritten signature in black ink, appearing to read "Donald C. Pipp".

DONALD C. PIPP
Director
DLA Logistics Management
Standards

Attachment
ADC 411

cc:
ODASD(SCI)

ATTACHMENT TO ADC 411
Update Functionality for DLMS 856S Shipment Status and DLMS 945A Material Release Advice

1. ORIGINATOR:

- a. **Service/Agency:** Headquarters, DLA Distribution
- b. **Originator:** DLA Distribution J4

2. FUNCTIONAL AREA:

- a. **Primary:** Supply
- b. **Secondary:** Automatic Identification Technology

3. REFERENCES:

- a. DoD 4000.25-M, Defense Logistics Management System (DLMS), Volume 2, Chapter 5, Status Reporting

4. BACKGROUND:

a. **Intent of the revision:** To establish procedures for the originating activity (RIC-From) to generate an update to the DLMS 856S, Shipment Status, and the DLMS 945A, Material Release Advice (Material Release Confirmation) in the event the outbound shipment details change from what was originally transmitted to DLA Transaction Services (formerly known as DAASC) for routing to designated status recipients.

b. **Scenario for which transaction is used:** In the event a shipment does not get lifted as originally intended (e.g., shipment is left off the truck) and the shipment is re-booked, the activities that originate the 856S and 945A transactions need the capability to send an updated transaction with all changed transportation information. The 856S update can also be used to convey updated passive Radio Frequency Identification (RFID) tagging information, if it changed from the original erroneous submission. Examples of changed transportation information would include transportation method code, standard carrier alpha code (SCAC), ship date, bill of lading information, and tracking information.

c. **Procedures, transactions, data elements, processing details in use today:** Currently, there is no mechanism for the originating activity to send an updated 856S Shipment Status, or 945A Material Release Advice. As a result, the potential exists for inaccurate in-transit visibility and pRFID information to be resident in DoD's visibility systems (e.g., Integrated Data Environment – Global Transportation Network Convergence (IGC), Asset Visibility(AV)), as well as the pRFID "R" table at DLA Transaction Services, which stores the extended shipment data for use in Web Visual Logistics Information Processing System (WebVLIPS) and pRFID business processes.

5. PROPOSED CHANGE:

a. Description of Change in Detail:

1) The following changes are required to the DLMS Supplement (DS) 856S Shipment Status.

a). Add a new Replacement Indicator (BSN02 = “RR”) to flag the transaction as an updated shipment status. For DLMS compliant systems, the updated transaction should be handled as the official ~~overlay/replace the original~~ shipment status in the receiving application, since it carries the corrected data. For DLSS-based systems, DLA Transaction Services will not convert these “replacement” shipment status transactions to MILS, since several systems are unable to accept more than one shipment status transaction and there is no definitive way to explain the reason for a second shipment status.

b). Add a new Status Reason Code (BSN07 = “A40”) to advise the shipment status recipient that the ~~reason for the update is a delay caused by the~~ shipper submitted an updated shipment status transaction to correct erroneous content data (e.g., transportation data, pRFID data).

c). When the ICP sends an updated shipment status transaction for Direct Vendor Deliveries, the 856S shall contain the BSN02 = “RR” and BSN07 = “A40” codes to flag the transaction as an update which corrects erroneous content data from the original submission.

2) Since the 945A Material Release Confirmation (MRC) provides the Inventory Control Point (ICP) the actual shipment information from the storage/shipping activity, similar changes are required to it. This will enable the ICP to generate the updated 856S Shipment Status in response to any follow-up requests, ~~if not already sent by the storage activity.~~

a). Add a new Replacement Indicator (W0602 = “RR” Replace) to advise the ICP to flag the transaction as an updated MRC. For DLMS compliant ICP systems, the updated transaction should be handled as the official ~~overlay/replace the original~~ MRC. For DLSS-based ICP systems, DLA Transaction Services will not convert these “replacement” MRC transactions to MILS, since there is no definitive way to explain the reason for a second MRC.

b). Add a new Shipping Date Change Reason Code (W0610 = “13”) to advise the ICP that the ~~reason for the update to the MRC is a delay caused by the~~ shipper submitted an updated MRC.

c). When the ICP sends a shipment status in response to a customer follow-up, based on an updated MRC, the 856S shall be transmitted as an original transaction; thereby, enabling DLSS-based supply systems to receive the converted DIC AS_ from DLA Transaction Services. Do not use the BSN01 = “RR” and BSN07 = “A40” codes in this case, since the presence of these codes will indicate to DLA Transaction Services not to convert these to MILS. ~~to denote that this is based on updated shipment data.~~

d). The ICP will also need to adjust their Material Release Acknowledgement (MRA) follow-up timeframes based on the updated MRC in accordance with standard MILSTRAP business rules.

3) See Enclosure 1 and 2 for changes to the DS 856S and DS 945A, respectively, to support the data requirements for this interchange.

6. REASON FOR CHANGE:

a. Currently there is no method of providing updated DLMS 856S Shipment Status and DLMS 945A MRC information to the designated recipients, in the event that the shipment was not shipped as originally depicted. Users who query IGC and other visibility systems will have conflicting information between what the supply shipment status is reporting versus what the actual transportation transactions are reporting.

7. ADVANTAGES AND DISADVANTAGES:

a. **Advantage:** The updated DLMS 856S Shipment Status and DLMS 945A MRC functionality ensures that the transportation information identified within the transaction aligns with the actual transportation movement documentation, in the event that there was an unexpected change in the transportation movement plan by the shipper.

b. **Disadvantages:** Requires a change to ICP and receiving applications to accept updated transactions to ensure that they have the most current shipment information from the original shipping activity.

8. **NOTE ANY REGULATIONS OR GUIDANCE:** Changes to the DoD 4000.25-M, Volume 2, Chapter 4 and 5 and Volume 3, Chapter 2 are at enclosure 3.

9. **ESTIMATED IMPLEMENTATION DATE:** DLA target is August 1, 2011.

10. ESTIMATED SAVINGS/COST AVOIDANCE ASSOCIATED WITH IMPLEMENTATION OF THIS CHANGE:

a. **Cost Savings Estimate:** N/A

b. **Intangible Cost Avoidances:** Enhanced visibility to the DOD supply chain.

11. IMPACT:

a. **DLMS Data Elements:** There are no new DLMS data elements or changes to existing DLMS data elements resulting from this proposed change.

b. **DLA Transaction Services:**

- 1) Update DAAS maps to reflect new beginning segment codes.
 - 2) Ensure that WebVLIPS, the “R” table, “A” table, and “V” table will function appropriately with the introduction of these additional DS 856S transactions.
 - 3) Ensure that the data XML Visibility Response message can be properly compiled based on the presence of an updated 856S.
 - 4) Ensure that the MRA Report will react to the updated 856S transactions to restart the clock for measuring MRA reporting performance.
- c. IGC and AV:** Requires a change to visibility applications to accept updated 856S and 945A transactions to ensure that the systems have the most current supply shipment status.

Enclosure 1 to ADC 411

Item #	Location	Revision to 4030 DS 856S Shipment Status	Reason
1.	DLMS Introductory Note	<p><u>Add ADC 411 to Introductory note for PDCs/ADCs:</u></p> <p><i>- ADC 411, Update Functionality for DS 856S Shipment Status and DS 945A Material Release Advice</i></p>	To identify DLMS changes included in the DS
2.	1/BSN02/0200	<p><u>Modify DLMS note:</u></p> <p>Shipment Identification Description: A unique control number assigned by the original shipper to identify a specific shipment</p> <p>Federal Note: Use code "ZZ" or "RR" for this data element to satisfy X12 syntax requirements.</p> <p>DLMS Note:</p> <p>1. The ZZ filler differentiates this Shipment Status format from the Advanced Shipment Notice format associated with Wide Area Workflow, as both use BSN06 Qualifier AS, Shipment Advice.</p> <p>2. Use Code "RR" to indicate this is a replacement transaction to a previously submitted 856S to correct erroneous content data (e.g., transportation data, pRFID data). Refer to ADC 411.</p> <p>3. DLMS enhancement; see introductory DLMS Note 2f.</p>	To enable transaction update functionality for the shipper.
3.	1/BSN07/0200	<p><u>Add new X12 qualifier and DLMS note:</u></p> <p><i>A40 Shipper Related</i> <i>Description: Unspecified delay caused by the shipper.</i></p> <p>DLMS Note:</p> <p>1. Use Required in conjunction with BSN02 = "RR" to indicate the reason for the updated shipment status transaction corrects erroneous content data (e.g., transportation data, pRFID data). Refer to ADC 411.</p> <p>2. DLMS enhancement; see introductory DLMS Note 2f.</p>	To provide a reason code associated with the transaction update from the shipper.

Enclosure 2 to ADC 411

Item #	Location	Revision to 4010 DS 945A Material Release Confirmation	Reason
1.	DLMS Introductory Note	<p><u>Add ADC 411 to Introductory note for PDCs/ADCs:</u></p> <p>- ADC 411, Update Functionality for DS 856S Shipment Status and DS 945A Material Release Advice</p>	To identify DLMS changes included in the DS
2.	1/W0602/20	<p><u>Mark W0602 as used and add DLMS note:</u></p> <p>Depositor Order Number Description: Identifying number for warehouse shipping order assigned by the depositor.</p> <p>DLMS Note: 1. Use code “RR” to indicate this is a replacement transaction to a previously submitted 945A to correct erroneous content data (e.g., transportation data). Refer to ADC 411. 2. DLMS enhancement; see introductory DLMS Note 2e.</p>	To enable transaction update functionality for the shipper.
3.	1/W0610/20	<p><u>Mark W0610 (Data Element 891) as used and add new X12 qualifier and DLMS note:</u></p> <p>Shipping Date Change Reason Code Description: Code informing a depositor why shipment of an order was delayed.</p> <p>13 Shipping Location Handling</p> <p>DLMS Note: 1. Use Required in conjunction with W0602 = “RR” to indicate that the reason for the updated MRC corrects erroneous content data (e.g., transportation data, pRFID data) is a shipper related delay. Refer to ADC 411. 2. DLMS enhancement; see introductory DLMS Note 2e.</p>	To provide a reason code associated with the transaction update from the shipper.

Enclosure 3 – DLMS Manual Changes

1. Add new paragraph to DoD 4000.25.M Volume 2, Chapter 5

C5.2.3.4. Shipment Status Messages Changes/Updates. In the event a shipment does not get lifted as originally intended (e.g., shipment is left off the truck) and the shipment is re-booked, the activities (e.g., shippers, ICPs) that originate the DLMS 856S shipment status transaction shall send an updated transaction with all of the changed transportation information. The shipment status update can also be used to convey updated passive RFID tagging information, if it changed from the original erroneous submission. Examples of changed transportation information would include transportation method code, standard carrier alpha code (SCAC), ship date, bill of lading information, and tracking information.

C5.2.3.4.1. Preparation of the Shipment Status Change/Update

C5.2.3.4.1.1. The shipment status change/update message will be identified by a unique code (BSN02 = “RR”) in the transaction to flag it as an updated shipment status message.

C5.2.3.4.1.2. It shall convey a new Status Reason Code (BSN07 = “A40”) to advise the shipment status recipient that the updated shipment status transaction corrects erroneous content data (e.g., transportation data, pRFID data).

C5.2.3.4.1.3. It shall repeat the shipment status information from the original shipment status message, in addition to any changes to the original information.

C5.2.3.4.1.4. It shall convey updated passive RFID information if it has changed from the original erroneous submission. When applicable, the transaction shall contain multiple passive RFID tag values using a hierarchical structure. The original passive RFID shall be repeated when it is available. Any additional tag values available to the shipment status recipient shall also be provided.

C5.2.3.4.1.5. It shall convey changed transportation information (e.g., transportation method code, standard carrier alpha code [SCAC], ship date, bill of lading information, and tracking information.)

C5.2.3.4.2. DLA Transaction Services Distribution of Shipment Status Change/Update. DLA Transaction Services shall route the shipment status change/update to the shipment status recipient per standard business rules for distribution of the shipment status. DLA Transaction Services shall not distribute the shipment status change/update to DLSS-based recipients.

C5.2.3.4.3. Use of the Shipment Status Change/Update by the Receiving Activity. The value of this transaction to the receiving activity is to provide corrected transportation data and to support passive RFID-enabled receipt processing. DLMS compliant systems should handle the updated transactions as the official shipment status in their receiving application, since they carry the corrected data.

2. Add new paragraph to DoD 4000.25.M Volume 2, Chapter 4

C4.7.13. MRC

C4.7.13.1. Purpose. The MRC serves as advice from a storage site to the supply source that initiated the MRO of supply action taken. The MRC shall be provided using DS 945A. The MRC shall include enhanced data content under DLMS to include:

C4.7.13.1.1. Both the TCN, when applicable, and a secondary transportation number, such as the small package carrier number, when this is applicable.

C4.7.13.1.2. Identification of the carrier when other than United States Postal Service (USPS) by Standard Carrier Alpha Code (SCAC).

C4.7.13.1.3. For OCONUS shipments made via Defense Transportation System (DTS), GBL/CBL, parcel post, and small package carrier shipments, specific identification of the Port of Embarkation (POE) or Consolidation and Containerization Point (CCP), the air terminal, water terminal, or CCP by applicable qualifier code in the DS. (During MILS/DLMS transition, DAAS may substitute a generic terminal qualifier for MRC transactions converted from MILS where the type of facility is unknown.)

C4.7.13.2. Supply Source Follow-Up. Supply sources shall follow up on storage facilities at least once every 30 calendar days for unconfirmed MROs that are 7 calendar days old for PDs 01-08 and 15 calendar days old for PDs 09-15.

C4.7.13.3. Material Release Confirmation Changes/Updates. In the event a shipment from the storage/shipping activity does not get lifted as originally intended (e.g., shipment is left off the truck), the storage/shipping activities that originate the material release confirmation (945A) shall send an updated transaction with all of the changed transportation information to the ICP. This will ensure required visibility of the shipment information and enable the ICP to prepare an updated shipment status (856S) when needed. Examples of changed transportation information would include transportation method code, standard carrier alpha code (SCAC), ship date, bill of lading information, and tracking information.

C4.7.13.3.1. Preparation of the Material Release Confirmation Change/Update

C4.7.13.3.1.1. The material release confirmation change/update message shall be identified by a unique code (W0602 = "RR") in the transaction to flag it as an updated MRC.

C4.7.13.3.1.2. It shall convey a new Shipping Date Change Reason Code (W0610 = "13" Shipping Location Handling) to advise the ICP that the updated MRC corrects erroneous content data (e.g., transportation data, pRFID data).

C4.7.13.3.1.3. It shall repeat the information from the original MRC, in addition to any changes to the original information.

C4.7.13.3.1.4. It shall convey changed transportation information (e.g., transportation method code, standard carrier alpha code [SCAC], ship date, bill of lading information, and tracking information.)

C4.7.13.3.1.5. When the ICP sends a shipment status in response to a customer follow-up, based on an updated MRC, the 856S shall be transmitted as an original transaction; thereby, enabling DLSS-based supply systems to receive the converted DIC AS_ from DLA Transaction Services. Do not use the BSN01 = "RR" and BSN07 = "A40" codes in this case, since the presence of these codes will indicate to DLA Transaction Services not to convert these to MILS.

C4.7.13.3.1.6. The ICP shall adjust its Material Release Acknowledgement (MRA) follow-up timeframes based on the updated MRC in accordance with standard MILSTRAP business rules.

C4.7.13.3.2. DLA Transaction Services Distribution of MRC Change/Update. DLA Transaction Services shall route the MRC change/update to the ICP per standard business rules for distribution of MRC messages. DLA Transaction Services shall not distribute the MRC change/update to DLSS-based recipients.

C4.7.13.3.3. Use of the MRC Change/Update by the ICP. The value of this transaction to the ICP is to provide corrected transportation data, enabling it to prepare an updated shipment status message (856S). DLMS compliant systems should handle the updated transactions as the official MRC in their application, since they carry the corrected data.

3. Add two new paragraphs to DoD 4000.25.M Volume 3, Chapter 2

C2.3.2.6.1. Shipment Status Message Updates. In the event a shipment does not get lifted as originally intended (e.g., shipment is left off the truck) and the retail supply activity receives an updated Material Release Confirmation message (945A) from the retail transportation activity, then they shall generate an updated shipment status transaction (856S) to convey the changed transportation information. See DoD 4000.25-M, Volume 2, Chapter 5 for detailed procedures. Examples of changed transportation information would include transportation method code, standard carrier alpha code (SCAC), ship date, bill of lading information, and tracking information.

C2.3.3.5.1 MRC Changes/Updates. In the event a shipment does not get lifted as originally intended (e.g., shipment is left off the truck), the transportation activities that originate the material release confirmation (945A) shall send an updated MRC transaction with all of the changed transportation information to the supply activity to enable the supply activity to prepare an updated shipping status (856S) message. See DoD 4000.25.M Volume 2, Chapter 4 for detailed procedures for preparation of the MRC change/update message. Examples of changed transportation information would include transportation method code, standard carrier alpha code (SCAC), ship date, bill of lading information, and tracking information.

Enclosure 4 – Coordination Block

Organization	Comment	Disposition
Army FMS	Concur with comment. Request DLA Transaction Services provide them with the revised shipment status. They want it to overlay the original status in their legacy system (CISIL).	856S modified to use “RR” replace and restricted change to DLMS compliant systems. On March 30, 2011, AMC stated that due to high cost of fixing CISIL to accept MILS updates, pending development of SCES, and ability to query WebVLIPS for accurate status, they agreed to restricting this change to DLMS compliant systems.
Army	Concur without comment.	
Navy	Concur with comment. Restrict changes to only DLMS compliant systems. Generate a replacement transaction with a “RR” code.	856S and 945A modified to use “RR” replace and restrict change to DLMS compliant systems.
Navy FMS	Concur with comment. Updated AS_ transactions need to be prevented from entering the MISIL, since MISIL is not designed to recognize an AS_ document as an update to the original.	856S and 945A modified to use “RR” replace and restrict change to DLMS compliant systems.
Air Force	Concur without comment.	
DLA Logistics Management Standards Office	<p>Clarify ICP requirement to generate updated 856S transaction for DVDs.</p> <p>Clarify ICP requirement to generate an 856S transaction in response to a follow-up, for which they have received an updated MRC.</p> <p>Clarify if the BSN07 in the DS 856S and the W0610 in the DS 945A are optional or mandatory.</p>	<p>Added paragraph 5.a.1).c). to state requirement for ICP to generate an updated shipment status for DVDs, if they received corrected information from the vendor.</p> <p>Modified paragraph 5.a.2) and 5.a.2).c). to state that the ICP will not generate updated shipment status transactions in response to a customer follow-up; the ICP shall send an original 856S per existing MILSTRIP business rules.</p> <p>Modified the DLMS notes in the DS 856S and DS 945A to require the BSN07 and W0610 data elements when “RR” code is set in the BSN02 and W0602, respectively.</p>

Organization	Comment	Disposition
Marine Corps	Concur with comment. Currently GCSS-MC does not wait for CMOS to generate a TCN prior to generating the shipment status transaction. As a result the TCN included in the shipment status transaction may not be identical to the “true TCN” if CMOS assigns a new TCN. In order to ensure the accuracy of the TCN on the shipment status transaction two options are available: (1) the GCSS shipping activity will have to wait for confirmation of the new TCN from CMOS (via the mat’l release) before generating the shipment status, or (2) the GCSS shipping activity will generate a new shipment status transaction with a replacement indicator of “UU” or “RR” when the materiel release transaction is received from CMOS with the correct transportation data. Of the 2 options, option 2 will be the more easily implemented (but will still carry a funding cost).	GCSS-MC should wait until they receive the material release confirmation from CMOS before generating the 856S, to do exactly what you say, which is get the transportation information accurately loaded the first time. That was the original intent under the procedures outlined in ADC 316. If you do release the 856S in advance of actual shipment by CMOS, then you’ll have to do the updated 856S, modified to use “RR” replace.
DLA	Concur with comment. Recommend using “RR” (replace). DLA will accept replacements as a DLMS compliant activity.	856S and 945A modified to use “RR” replace.
DMLSS	Concur with comment. Recommend using “RR” (replace).	856S and 945A modified to use “RR” replace.
USTRANSCOM	Concur with comment. IGC requests wording be inserted into the ADC that allows for 90 days notice from the date the ADC is approved and released to the date that it goes into effect.	90 day implementation delay from date of ADC inserted into cover memo.
DFAS	No Comment.	