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IN REPLY
REFER TO

DLMSO

January 15, 2010

MEMORANDUM FOR SUPPLY PROCESS REVIEW COMMITTEE (PRC) MEMBERS

SUBJECT: Approved Addendum to Approved Defense Logistics Management System (DLMS) Change (ADC) 316C, Revise DLMS Supplement 940R Material Release and DLMS Supplement 945A Material Release Advice, to Support Unique Item Tracking for Air Force Positive Inventory Control (PIC) under the Retail Transportation and Supply Receipt and Acknowledgement Interchange (Supply/Transportation)

The attached change to DOD 4000.25-M, DLMS, is approved for implementation. The updated DLMS Supplements will be posted to the Defense Logistics Management Standards Office (DLMSO) Web site http://www.dla.mil/j-6/dlms0/elibrary/TransFormats/140_997.asp within 10 days from the above date for implementation planning.

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

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

DONALD C. PIPP
Director
Defense Logistics Management
Standards Office

Attachment

cc:
DUSD(L&MR)SCI

Approved Addendum to ADC 316C
Revise DLMS Supplements 940R and 945A for Air Force PIC under the Retail Transportation
and Supply Receipt and Acknowledgement Interchange

1. ORIGINATOR: Department of the Air Force, 754th ELSG/ILSS, DSN 596-2012; Commercial (334) 416-2012

2. FUNCTIONAL AREA:

- a. **Primary:** Supply/Transportation Interface [SBSS/CMOS]
- b. **Secondary:** Supply Chain Visibility and Accountability

3. REFERENCES:

- a. DLMSO memorandum subject: Approved Defense Logistics Management System (DLMS) Change (ADC) 316, Retail Transportation and Supply Receipt and Acknowledgement Transactions (Transportation/Supply), dated February 19, 2009.
- b. DLMSO memorandum subject: Approved Addendum to Approved Defense Logistics Management System (DLMS) Change 316A, USAF Requirements for Item Record Data and Unique Item Tracking (UIT) using the Material Release (DLMS Supplement 940R) under Transportation and Supply Receipt and Acknowledgement Interchange, dated June 26, 2009.
- c. DLMSO memorandum subject: Approved Addendum to Approved Defense Logistics Management System (DLMS) 316B, New Distribution Code for the Retail Transportation and Supply Receipt and Acknowledgement Interchange for the 940R and 945A, dated June 26, 2009.
- d. Approved DLMS Change (ADC) 347, Revise DLMS Supplement (DS) 527R Receipt, 867I Issue, 945A Material Release Advice, and 947I Inventory Adjustment to Support Unique Item Tracking for Air Force Positive Inventory Control (PIC).
- e. DoD 4000.25-M, Defense Logistics Management System (DLMS), Volume 2, Chapter 19, and Volume 3, Chapters 1 & 2.
- f. AFMAN 23-110, Air Force Supply Manual, 1 April 2009.

4. BACKGROUND:

a. Providing an Information Copy (Image) of the 940R and 945A Transactions:

(1) The 754th ELSG/ILSS has participated in numerous Positive Inventory Control Nuclear Weapons Related Material (PIC NWRM) working groups since early 2008. There is a requirement to develop near real time access of Air Force NWRM asset movement data across the supply chain, including asset serial number. This information is fundamental to the NWRM tracking requirement. ADC 316 has been adopted by the Air Force to achieve a standardized interchange between retail transportation and supply with the use of the Material Release (940R) and Material

Release Advice (945A). Given the secondary objective to provide “supply chain visibility and accountability”, the Air Force PIC NWRM program will use the capabilities derived from ADC 316, ADC 316A, ADC 316B, and this addendum as an opportunity to enhance PIC Fusion capabilities via the information in the DLMS shipment transactions to gain visibility of the distribution of Air Force NWRM items.

(2) Air Force NWRM PIC requires this capability be implemented by March 2010, since they **DO NOT** have a firm/approved schedule for future spirals extending beyond March 2010.

b. Scenario for which the transaction is used:

(1) The change revises DS 940R Material Release and 945A Material Release Advice to allow the creation of an information copy (image) of the transaction for routing to the Air Force PIC NWRM. The purpose of this requested action is to provide AF NWRM PIC visibility of Air Force NWRM assets transacted through the Standard Base Supply System (SBSS)/Integrated Logistics Support – Supply (ILS-S) and Cargo Movement Operations System (CMOS) interface in association with the implementation of the retail transportation and supply receipt and acknowledgement interchange approved in ADC 316.

(2) Other than the addition of an image capability, this change does not modify the procedures and transactions already approved or planned for implementation under ADC 316, 316A and 316B. This change (ADC 316C) only authorizes the routing of an information copy of the cited DLMS transactions for Air Force PIC Fusion.

5. PROPOSED CHANGE(S):

a. Description of Changes:

(1) This addendum to ADC 316 (Retail Transportation and Supply Receipt and Acknowledgement Transactions), authorizes the generation of an information copy of the 940R and 945A transactions (Distribution Code “111”) for a specific Air Force PIC NWRM need. This change utilizes the established standardized interchange between retail transportation and supply through the use of EDI transactions, specifically the Material Release, 940R, and Material Release Advice 945A.

(2) For this addendum, Air Force PIC Fusion will receive an information copy (image) of the 940R and 945A transactions that use the Retail Transportation/Supply Interchange (Distribution Code of “111”), for NWRM data requirements. The information copy will be identified in the N1 segment of table 2, by a specific qualifier in the N101, a RIC in the N104 for the Air Force PIC NWRM Fusion Center, combined with a value in the N106 segment, to ensure an information copy of the 940R and 945A transaction is sent to Air Force PIC.

(3) In addition, an administrative change is announced to DoD 4000.25-M, Defense Logistics Management System (DLMS), Volume 3, Chapter 2. The paragraphs C2.2.2 and C2.4, titled “NON-STOCK SHIPMENTS. Reserved for future use”, are deleted.

b. Procedures:

(1) The DLMS manual procedures are amended in the enclosures by the use of bold and italics (see enclosures 1 and 2).

(2) Unlike the changes proposed in reference d, ADC 347, regarding “image” copies of DLMS transactions in support of Air Force PIC Fusion requirements, the process to create informational copies of 940R and 945A transactions for PIC Fusion under the Retail Transportation and Supply Interchange are not the same. This is due to the fact that the Action Type Code data element is already in use by ADC 316 procedures.

(3) Update the Materiel Release 940R as follows:

#	Location	Revision to 4030 940R, Material Release	Reason for Change/ SBSS Notes
1	DLMS Introductory Note	<p>Add Approved Addendum to ADC 316C to DLMS Introductory note:</p> <p><i>- Approved Addendum to ADC 316C, Revise DLMS Supplement (DS) 940R Material Release to Support Unique Item Tracking (UIT) for Air Force Positive Inventory Control (PIC) Nuclear Weapons Related Material (NWRM) under the Retail Transportation and Supply Receipt and Acknowledgement Interchange (Distribution Code of “111”).</i></p>	To identify changes in the DS.
2	2/N101/1100	<p><u>Add new DLMS Qualifier and DLMS note:</u></p> <p><i>KK Registering Party</i></p> <p>DLMS Notes:</p> <p><i>1. Use to identify the Component UIT registry. May be used by a Component when their UIT process requires that a copy of the transaction should also be sent to a UIT registry for information purposes. Must be used with 2/N106/1100 code ‘PK-Party to Receive Copy’ to identify that this is only an information copy of the transaction, for use with the Component UIT registry. Cite the applicable Routing Identifier in 2/N104.</i></p> <p><i>2. Authorized DLMS enhancement for Air Force use with PIC NWRM UIT program. For PIC UIT, must use in conjunction with 2/N106 code PK and cite the applicable Routing Identifier in 2/N104.</i></p> <p><i>3. Except noted as above, DLMS enhancement; see introductory DLMS note 4a.</i></p>	<p>To clearly identify that the 940R transaction is an information copy for AF PIC Fusion.</p> <p>Staffing Note: AF must verify that a Routing Identifier has been assigned for the PIC Fusion Center.</p>
3	2/N106/1100	<p><u>Add new DLMS Qualifier and DLMS note :</u></p> <p><i>PK Party to Receive Copy</i></p> <p>DLMS Notes:</p> <p><i>1. Use when appropriate to send an information copy to a Component UIT registry. For use with N101 code ‘KK’.</i></p>	To clearly identify that the 940R transaction is an information copy for AF PIC Fusion use.

	<p>2. Authorized DLMS enhancement for Air Force use with PIC NWRM UIT program. For PIC UIT, must use in conjunction with 2/N101 code 'KK' and cite the applicable Routing Identifier in 2/N104.</p> <p>3. Except as noted above, DLMS enhancement; see introductory DLMS note 4a.</p>	
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(4) Update the Materiel Release Advice 945A as follows:

#	Location	Revision to 4030 945A, Material Release Advice	Reason for Change /SBSS Notes
1	DLMS Introductory Note	<p>Add Approved Addendum to ADC 316C to DLMS Introductory note:</p> <p>- Approved Addendum to ADC 316C, Revise DLMS Supplement (DS) 945A Material Release Advice to Support Unique Item Tracking (UIT) for Air Force Positive Inventory Control (PIC) Nuclear Weapons Related Material (NWRM) under the Retail Transportation and Supply Receipt and Acknowledgement Interchange (Distribution Code of "111").</p>	To identify changes in the DS.
2	2/N101/80	<p><u>Revise notes 1, 2 and add new DLMS note to existing code KK:</u></p> <p>KK Registering Party</p> <p>DLMS Notes:</p> <p>1. Use to identify the Component UIT registry. May be used by a Component when their UIT process requires that a copy of the transaction should also be sent to a UIT registry for information purposes. Must be used with 2/N106/80 code 'PK-Party to Receive Copy' to identify that this is only an information copy of the transaction, for use with the Component UIT registry. Cite the applicable Routing Identifier in 2/N104.</p> <p>2. Authorized DLMS enhancement for Air Force and DSS use with PIC NWRM UIT program. For PIC UIT, must use in conjunction with 2/N106 code PK and 1/W0612/20 Action Code FI and cite the applicable Routing Identifier in 2/N104.</p> <p>3. Authorized DLMS enhancement for Air Force use under the Retail Transportation and Supply Receipt and Acknowledgement Interchange (Distribution Code of "111"). For PIC UIT, must use in conjunction with 2/N106 code PK and cite the applicable Routing Identifier in 2/N104.</p> <p>4. Except as noted above, DLMS enhancement; see introductory DLMS note 3a.</p>	<p>To clearly identify that the 945A transaction is an information copy for AF PIC Fusion, and does not change the balance.</p> <p>Fix typographical error in DLMS Note 1 and 2 for location of the Routing Identifier.</p> <p>Staffing Note: AF must verify that a Routing Identifier has been assigned for the PIC Fusion Center.</p>
3	2/N106/80	<u>Add DLMS note 3 to existing code PK:</u>	To clearly identify that

		<p>PK Party to Receive Copy</p> <p>DLMS Notes:</p> <p>1. Use when appropriate to send an information copy to a Component UIT registry. For use with N101 code 'KK'.</p> <p>2. Authorized DLMS enhancement for Air Force and DSS use with PIC NWRM UIT program. For PIC UIT, must use in conjunction with 2/N101 code 'KK' and 1/W0612/20 Action Code FI and cite the applicable Routing Identifier in <i>2/N104</i>.</p> <p><i>3. Authorized DLMS enhancement for Air Force use under the Retail Transportation and Supply Receipt and Acknowledgement Interchange (Distribution Code of "111"). For PIC UIT, must use in conjunction with 2/N101 code KK and cite the applicable Routing Identifier in 2/N104.</i></p> <p>4. Except as noted above, DLMS enhancement; see introductory DLMS note 3a.</p>	<p>the 945A transaction is an information copy for AF PIC Fusion use.</p> <p>Fix typographical error in DLMS Note 2 for location of the Routing Identifier.</p>
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6. REASON FOR CHANGE:

The change is proposed to capitalize on the standard DLMS transactions using the previously approved retail transportation and supply interface (ADC 316). The interface provides in-transit shipment visibility and accountability of government assets shipped within the Defense Transportation System (DTS). The creation of an information copy (image) of the DLMS standard transactions for Air Force tracking of NWRM is required for forwarding important information supporting Air Force PIC UIT data requirements.

7. ADVANTAGES AND DISADVANTAGES:

a. Advantages: The informational copy of the 940R and 945A transactions supports recently approved Air Force PIC UIT data requirements for NWRM shipments under ADC 347. No new transactions will be required; existing standard DLMS transactions can be used to meet this requirement.

b. Disadvantages: None expected.

8. IMPACT:

a. DAASC Mapping/Routing. DAASC will need to modify their instructions on the distribution of information copies of the 940R and 945A transaction (Distribution code '111'), to determine to what address they will be sent, using the RIC assigned to Air Force PIC Fusion. DAASC has agreed to implement an interim routing solution, if Air Force PIC NWRM, SBSS/ILS-S, and CMOS are unable to synchronize implementation of this addendum by March 2010. This interim routing will be accomplished using an NWRM NSN listing provided by PIC NWRM program and applied to those Air Force transactions with a distribution code of "111".

b. Systems/Applications. Air Force will need to ensure a Routing Identifier Code (RIC) is exclusively assigned to Air Force PIC Fusion, so the authorized informational copies of the 940R and 945A transactions are sent to the correct account. SBSS/ILS-S will need to apply the N101 and N106 qualifiers to the 940R transactions when directing release of NWRM items. CMOS will need to apply the N101 and N106 qualifiers to the 945A transactions when providing supply and shipment status of NWRM items; this will be readily apparent by identifying the presence of the “KK” and “PK” qualifiers in the 940R. Air Force PIC NWRM, SBSS/ILS-S, and CMOS will need to synchronize their implementation dates for this capability. Air Force NWRM PIC requires this capability be implemented by March 2010, since they DO NOT have a firm/approved schedule for future spirals extending beyond March 2010. If synchronized implementation cannot be accomplished by March 2010, then DAASC will perform interim routing of Air Force NWRM 940R and 945A transactions, with a distribution code of “111” based on an NWRM NSN listing to be provided by the PIC NWRM program. This interim solution does not obviate the requirement to implement the provisions of this addendum.

c. Publications. DLMS Supplement (DS) 940R and DS 945A are changed to add an authorization for the generation of an information copy (image) for Air Force PIC Fusion.

d. New DLMS Data Elements: None.

e. Changes to DLMS Data Elements: This change adds the existing “Unique Item Tracking (UIT) Component Registry Identification” and “Party to Receive Copy” qualifiers in the 945A to the 940R, with applicable DLMS notes supporting ADC 316 business processes.

9. COST SAVINGS/AVOIDANCE/TANGIBLE BENEFITS:

a. Cost Savings/Avoidance: There will be a cost savings in avoiding additional research work to find a specific item and the associated shipment data, when an information copy of the 940R and 945A transaction is provided to managers and other interested parties. Selected items can be tracked and verified with the associated information required for the Air Force UIT program data. Air Force has requested this capability to ensure intensive management of NWRM items. No new transactions will be required or created.

b. Tangible Benefits: Provides shipment status of SBSS shipments to CMOS, DAAS, and PIC Fusion Center; supports NWRM control requirements. Also standardizes the information copy process in coordination with DAASC.

Enclosure 1, DoD 4000.25-M, Volume 3

Addendum to ADC 316C; revisions are identified in *bold italics* or a strikethrough:

C2. CHAPTER 2

RETAIL TRANSPORTATION AND SUPPLY INTERCHANGE
(STOCK AND NON-STOCK SHIPMENTS)

C2.1. GENERAL. This chapter provides procedures for use in retail transportation and supply processes related to the transportation in-check of cargo from a supply warehouse and subsequent outbound shipment by the servicing transportation activity. This interchange creates a virtual warehouse between supply and transportation by standardizing a supply-transportation interchange and provides intransit visibility and accountability of government assets shipped in the Defense Transportation System (DTS). The transactions provide users with an electronic method of obtaining shipment data and status on specific line items upon inquiry.

C2.2. BACKGROUND. The information described in this section implements a standardized interchange between retail transportation and supply through the use of EDI transactions.

C2.2.1. STOCK SHIPMENTS. For material requirements processed using standard MILSTRIP and DLMS procedures, the standardized interchange employs the 940R (Materiel Release) and 945A (Materiel Release Advice). This standard provides retail supply systems the ability to pre-position release order data in transportation, to submit follow-up status messages to transportation requesting updated shipment status, and to submit cancellation requests to transportation for release orders already turned over to transportation for shipment planning and execution. The standard also provides retail transportation systems the capability to provide supply status messages to supply, to provide cancellation response messages to supply, and to submit material release confirmation messages to supply when the material has shipped.

~~C2.2.2. NON-STOCK SHIPMENTS. Reserved for future use.~~

C2.3. STOCK SHIPMENT PROCEDURES.

C2.3.1. SUPPLY AND TRANSPORTATION SYSTEMS. Initially there are five Automated Information Systems (AIS) that are expected to use this standardized interchange between retail transportation and supply activities. They are the Defense Medical Logistics Standard Support (DMLSS), Global Combat Support System – Marine Corps (GCSS-MC), USAF Expeditionary Combat Support System (ECSS) and Standard Base Supply System (SBSS) which represent the supply systems for their respective business areas. The Cargo Movement Operations System (CMOS) represents the transportation system. Systems other than those mentioned in this document, planning to use these standardized interchange transactions to implement a similar capability must coordinate with DLMSO and United States Transportation Command (USTRANSCOM) prior to attempting to implement the interchange.

C2.3.2. RETAIL SUPPLY ACTIVITY. This section provides general procedures for retail supply activities related to the delivery of items to the servicing transportation activity for further shipment.

C.2.3.2.1 Pre-positioned Release Order. For designated supply trading partners, DAAS shall transmit copies of the Material Release Order/Disposal Release Order/Redistribution Order 940R

(A2_/A5_/A5J/A4_) transactions to the designated transportation system to be pre-positioned awaiting actual arrival of cargo from the supply warehouse.

C.2.3.2.1.1 For designated supply trading partners (currently limited to the SBSS - CMOS interface) the Materiel Release 940R will be used to pass Federal Logistics Information System (FLIS) NSN item data (as identified in the 940R) that is not otherwise available to CMOS. This is an interim measure pending establishment of a FLIS interface.

C.2.3.2.1.2 For designated supply trading partners (currently limited to the SBSS - CMOS interface) the Materiel Release 940R will be used to support the unique item tracking (UIT) program for Positive Inventory Control (PIC) Nuclear Weapon Related Materiel (NWRM). Unique item identifiers (UIIs) and the associated serial number will be passed in the 940R for each item meeting the PIC NWRM program criteria. For legacy items where the UII has not been marked in accordance with Item Unique Identification (IUID) policy, the serial number alone will be passed. This is an interim measure pending transition to tracking by UII. This is an interim measure pending transition to tracking by UII. DLMS Vol II, Chapter 19, UIT procedures apply (with exceptions as noted). Future CMOS releases will include the serial number/UII in the 945A transaction.

C.2.3.2.1.3 For designated supply trading partners (currently limited to the SBSS – CMOS interface), an information copy (image) of the Materiel Release 940R will be used in support of Air Force PIC Fusion program data requirements. The routing of an additional information-only copy of the DLMS standard transactions (940R) is authorized for forwarding PIC Fusion data needed for the Air Force UIT registry. This is a specific authorized use with unique identifiers to flag the transaction as information only.

C2.3.2.2. Delivery and Incheck. The supply activity will make local deliveries of the items to be shipped to the servicing transportation activity. The line items shall be inchecked by the transportation activity based on the cargo and the documentation received from the supply activity.

C2.3.2.3. Shipment Documentation. The material for shipment will be delivered to the servicing transportation activity by the retail supply activity accompanied by a DD Form 1348-1A, Issue Release/Receipt Document (IRRD). DoD 4000.25-1-M, Military Standard Requisitioning And Issue Procedures (MILSTRIP) Manual, Chapter 5, Release and Receipt of Materiel, documents procedures for the use and generation of the IRRD.

C2.3.2.4. Follow-up Requests. The supply system will initiate a Material Release Inquiry/Disposal Release Inquiry 940R (AF6/AFJ) message for follow-up requests. Based upon elapsed time from either the initial release of the material release order/disposal release order/redistribution order or the estimated shipping date from the material release advice/disposal shipment advice, the supply system will initiate the inquiry using normal follow-up procedures as documented in DoD 4000.25-1-M, Chapter 2, paragraph C2.13; the only exceptions relate to multi-packs (see DoD 4000.25-M, Volume 3, Chapter 2, paragraph C2.3.6) and assemblages, e.g., medical (see DoD 4000.25-M, Volume 3, Chapter 2, paragraph C2.3.7).

C2.3.2.5. Cancellation Requests. The supply system will initiate a Material Release Cancellation/Disposal Release Cancellation 940R (AC6/ACJ) message for cancellation requests. DoD 4000.25-1-M, Chapter 2, paragraph C2.17 prevails; the only exceptions relate to multi-packs (see DoD 4000.25-M, Volume 3, Chapter 2, paragraph C2.3.6) and assemblages, e.g., medical (see DoD 4000.25-M, Volume 3, Chapter 2, paragraph C2.3.7).

C2.3.2.6. Shipment Status Message. When the retail supply activity receives the material

release confirmation for a multi-pack, they shall associate it with all the document numbers that were contained in the initial material release order, generate the required Shipment Advice 856S (AS_) shipment status transactions for the multi-pack and transmit to DAAS for distribution per existing procedures and trading partner profiles. When the retail supply activity receives the material release confirmation for an assemblage (e.g., medical), they shall generate the required Shipment Advice 856S shipment status transaction at the Assemblage Identification Number (AIN) level. For all material release confirmations, the retail supply activity shall insert the original distribution code assigned to the material release order/disposal release order/redistribution order, in lieu of the special distribution code used to denote the Retail Transportation and Supply Interchange, when generating the shipment status transactions.

C2.3.3. SERVICING TRANSPORTATION ACTIVITY. This section provides general procedures for servicing transportation activities, upon local delivery of items for shipment (received from retail supply).

C2.3.3.1. **Incheck.** Upon local delivery of the item (from retail supply) to the transportation activity customer service area, transportation personnel shall incheck the items as follows:

C2.3.3.1.1. Either scan the DD Form 1348-1A IRRD using a handheld or manually incheck the document numbers into the transportation system.

C2.3.3.1.2. Generate a Material Release Advice/Disposal Shipment Advice 945A (AE6/AEJ) incheck status message and send it to the supply activity electronically.

C2.3.3.2. **Hold Status.** Subsequent to incheck and prior to material release confirmation, if the cargo is placed in transportation hold status, additional Material Release Advice/Disposal Shipment Advice 945A (AE6/AEJ) status messages shall be sent by transportation to supply.

C2.3.3.3. **Status/Follow-up Response.** The transportation system shall respond to a follow-up request using the Material Release Advice/Disposal Shipment Advice 945A (AE6/AEJ) supply status message.

C2.3.3.4. **Cancellation Response.** The transportation system shall generate the Material Release Advice/Disposal Shipment Advice 945A (AE6/AEJ) status message with applicable status code indicating acknowledgement of the cancellation requirements.

C2.3.3.5. **Material Release Confirmation.** After the shipment is processed and shipped, the transportation activity generates a Material Release Confirmation/Disposal Release Confirmation 945A material release confirmation and sends it to the supply activity, where the shipment status message will be generated and transmitted.

C2.3.3.6 Transaction Information Copy. For designated supply trading partners (currently limited to the SBSS – CMOS interface), an information copy (image) of the Material Release Advice 945A will be used in support of Air Force PIC Fusion program data requirements. The routing of an additional information-only copy of the DLMS standard transaction (945A) is authorized for forwarding PIC Fusion data needed for the Air Force UIT registry. This is a specific authorized use with unique identifiers to flag the transaction as information only.

C2.3.4. DEFENSE AUTOMATIC ADDRESSING SYSTEM CENTER (DAASC)

PROCESSING. DAASC shall route transactions between designated supply and transportation systems based on mutual agreements between the trading partners. This includes both DLMS-compliant and MILS-compliant systems.

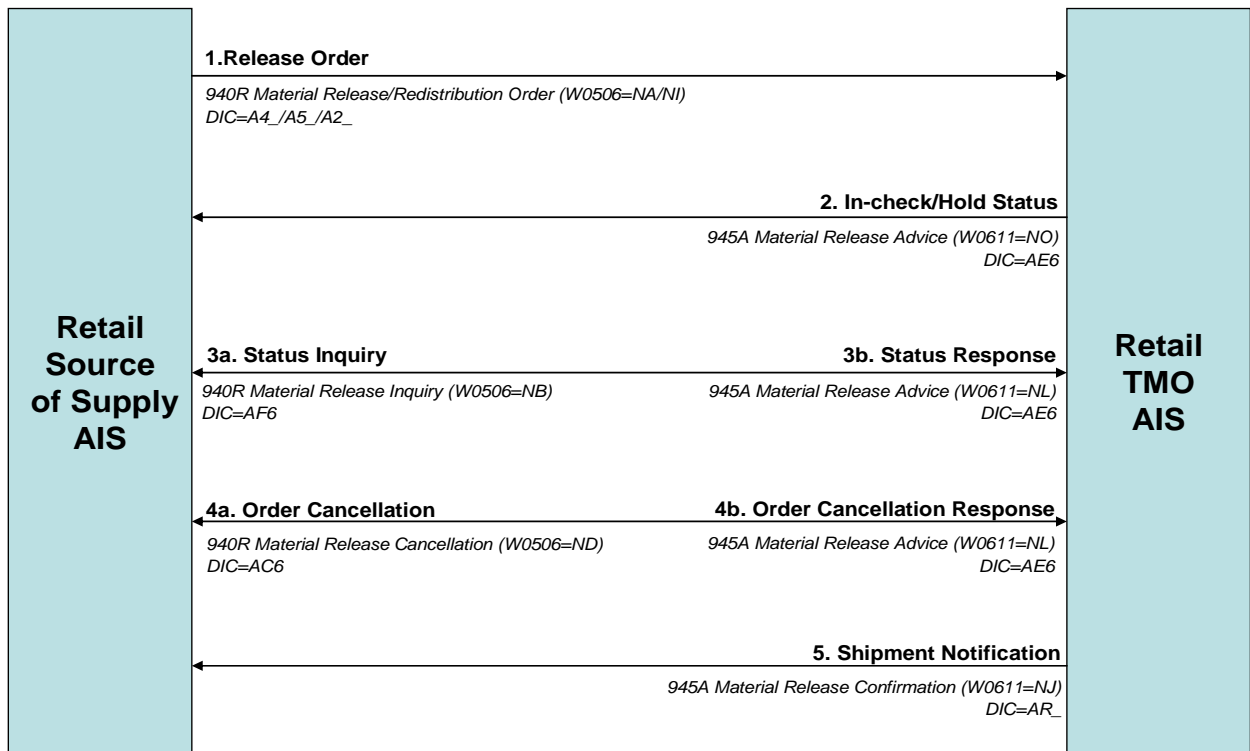
C2.3.4.1. Cargo Movement Operations System (CMOS). CMOS shall be capable of receiving DLMS-compliant Materiel Release 940R and transmitting Materiel Release Advice 945A messages.

C2.3.4.2. Supply Systems. Depending on whether the supply system is DLMS-compliant, DAASC will process the transactions as follows:

C2.3.4.2.1. DLMS-Compliant Systems. If the supply system is DLMS-compliant, DAASC shall not transform the transactions to/from MILS, based on established trading partner profiles held by DAASC. If the supply system is DLMS-compliant and is exchanging information about multi-packs, the Materiel Release 940R W0507 and Materiel Release Advice 945A W0612 segments shall carry the action code of "CN"; for assemblages (e.g., medical), the Materiel Release 940R W0507 and Materiel Release Advice 945A W0612 segments shall carry the action code of "ME"; for interchanges other than multi-packs and assemblages, the Materiel Release 940R W0507 and Materiel Release Advice 945A W0612 segments shall carry the action code of "A6". Additionally, the 940R and 945A shall have a distribution code of "111". These action codes and the distribution code of "111" shall denote the applicability of special procedures authorized under this Chapter and authorize the use of selected EDI segments and loops to denote contents of multi-packs and assemblages.

C2.3.4.2.2. MILS-Compliant Systems. If the supply system is MILS-compliant, a distribution code of "111" shall be identified to denote the applicability of special procedures authorized under this Chapter. Normally DAASC shall transform the transactions to/from MILS based on existing maps, except when there is a distribution code of "111" in the Materiel Release Advice/Disposal Shipment Advice 945A messages from the transportation system. A distribution code of "111" authorizes the following actions: use of AE6/AEJ for unsolicited supply status responses by the transportation system, use of transportation hold and delay codes in the AE6/AEJ, rp51 by the transportation system in addition to its normal usage in the material release confirmation, and use of AE6/AEJ in lieu of the AG6/AGJ as a cancellation response by transportation system to facilitate usage of the supply status and transportation hold and delay codes.

C2.3.5. RETAIL TRANSPORTATION AND SUPPLY INTERCHANGE. The following diagram shows the standard transactions that shall occur between retail supply and the transportation activity for the business processes covered in this chapter.



Note: This process also applies to disposal transactions with their applicable DLMS qualifiers and DIC codes

Figure 1 – Retail transportation and supply Data Interchange

C2.3.5.1. DLMS and MILS Transaction Designations. To denote a transaction is in support of the Retail Transportation and Supply Receipt and Acknowledgement Interchange, it shall contain the designated action code and/or distribution code as delineated below.

C2.3.5.1.1. Action Code (Other than Multi-packs and Assemblages (e.g., medical)).

C2.3.5.1.1.1. EDI 940R W0507 = “A6”

C2.3.5.1.1.2. EDI 945A W0612 = “A6”

C2.3.5.1.2. Action Code (Multi-Packs and Assemblages (e.g., medical)).

C2.3.5.1.2.1. Multi-Packs. EDI 940R W0507 = “CN” and the EDI 945A W0612 = “CN”

C2.3.5.1.2.2. Assemblages. EDI 940R W0507 = “ME” and the EDI 945A W0612 = “ME”

C2.3.5.1.3. Distribution Code.

C2.3.5.1.3.1. EDI 940R and EDI 945A LQ01 = “AK” and LQ02 = “111”

C2.3.5.1.3.2. MILS distribution code = “111”

C2.3.5.2. Pre-positioned transactions from Supply. For designated supply trading partners, DAASC shall transmit copies of the Material Release Order/Disposal Release Order/Redistribution Order 940R (A2_/A5_/A5J/A4_) transactions to the designated transportation system to be pre-positioned awaiting actual arrival of cargo from the supply warehouse. The applicable transactions can be readily identified by use of the distribution code = “111”. Additionally, the action code in the EDI 940R W0507 and the EDI 945A W0612 will be either “A6”, “CN”, or “ME”.

C2.3.5.3. Receipt/In-check of cargo by Transportation. Upon physical receipt/in-check of cargo by transportation, the transportation system shall self-initiate a Material Release Advice/Disposal Shipment Advice 945A (AE6/AEJ) supply status response message to notify the supply activity via DAASC that the property has been received. Since there was no initial Material Release Inquiry/Disposal Release Inquiry 940R (AF6/AFJ) follow-up request prompting the status message, the X12 code of “NO” shall be inserted in the W0611 segment to denote that this is being used by transportation to report cargo processing status prior to material release confirmation and a code of “A6” shall be inserted in the W0612 segment to denote that the supply status response is part of the Retail Transportation and Supply Receipt and Acknowledgement Interchange. To facilitate mapping of the Material Release Inquiry/Disposal Release Inquiry 945A to a MILS AE6/AEJ transaction, the distribution code shall carry a value of “111” to inform DAASC of the special routing and generation of an unsolicited supply status message and to authorize the use of the transportation hold and delay code in lieu of a signal code for a supply status response, in addition to the material release confirmation where it normally is reported. If the material is subsequently placed into a transportation hold status, such as awaiting air clearance, a self-initiated Material Release Advice/Disposal Shipment Advice 945A supply status message shall be generated for every reportable status change, prior to shipment. The Material Release Advice/Disposal Shipment Advice 945A W0611, LQ and G62 segment values for this step are as follows:

C2.3.5.3.1. Incheck Reporting. To report in-check of cargo, W0611 = “NO” and W0612 = “A6”; LQ01 = “AK” and LQ02 = “111”; LQ01 = “81” and LQ02 = “BA”; G6201 = “17” and G6202 = estimated shipping date in CCYYMMDD format.

C2.3.5.3.2. Transportation Hold and Delay Reporting. To report a transportation hold and delay status, W0611 = “NO” and W0612 = “A6”; LQ01 = “AK” and LQ02 = “111”; LQ01 = “BC” and LQ02 = authorized code values from the Transportation Hold Code table located at the following web address: https://www-tmds.c2.amc.af.mil/TMDS/dtr_index.xsql; G6201 = “17” and G6202 = estimated shipping date in CCYYMMDD format.

C2.3.5.4. Status Inquiry and Response. The supply system will initiate a Material Release Inquiry/Disposal Release Inquiry 940R (AF6/AFJ) message for follow-up requests to inquire on the status of a release order turned over to transportation for shipping; the W0507 segment shall carry an “A6” to denote that the follow-up request is part of the Retail Transportation and Supply Receipt and Acknowledgement Interchange. Based upon elapsed time from either the initial release of the material release order/disposal release order/redistribution order or the estimated shipping date from the material release advice/disposal shipment advice, the supply system will initiate the inquiry using normal follow-up procedures, with communications via DAASC. The transportation system shall respond to a follow-up request with a Material Release Advice/Disposal Shipment Advice 945A supply status response message with an “A6” in the W0612 segment and the distribution code shall contain a “111” to denote that the supply status response is part of the Retail Transportation and Supply Receipt and Acknowledgement Interchange. The distribution code of “111” also authorizes the use of the

transportation hold and delay code in lieu of the signal code, as applicable for a supply status response, in addition to the material release confirmation where it normally is reported. The Material Release Advice/Disposal Shipment Advice 945A W0611, W0612, LQ and G62 segment values for this step are as follows:

C2.3.5.4.1. Material Release Order.

C2.3.5.4.1.1. W0611 = “NL”

C2.3.5.4.1.2. W0612 = “A6”

C2.3.5.4.1.3. LQ01 = “AK” and LQ02 = “111”

C2.3.5.4.2. Disposal Release Order.

C2.3.5.4.2.1. W0611 = “NQ”

C2.3.5.4.2.2. W0612 = “A6”

C2.3.5.4.2.3. LQ01 = “AK” and LQ02 = “111”

C2.3.5.4.3. To report the applicable supply status code, LQ01 = “81” and LQ02 = authorized code values from DOD 4000.25-1-M, Appendix 2.16. Typical status codes that may be reported by transportation are “BA” to denote the item is being processed for release and shipment (inchecked) or “BF” to denote that transportation has no record of the document for the follow-up request. When providing a “BA” status, G6201 = “17” and G6202 = estimated shipping date in CCYYMMDD format.

C2.3.5.4.4. To report a transportation hold and delay status, LQ01 = “AK” and LQ02 = “111”; LQ01 = “BC” and LQ02 = authorized code values from the Transportation Hold Code table located at the following web address: https://www-tmds.c2.amc.af.mil/TMDS/dtr_index.xsql; G6201 = “17” and G6202 = estimated shipping date in CCYYMMDD format.

C2.3.5.5. Cancellation Requests and Responses. The supply system shall initiate an Material Release Cancellation/Disposal Release Cancellation 940R (AC6/ACJ) message when it wants to issue a cancellation request to the transportation system for release orders that have already been turned over to transportation for shipping; the W0507 segment shall carry an “A6” to denote that the cancellation request is part of the Retail Transportation and Supply Receipt and Acknowledgement Interchange. Normal cancellation request procedures shall apply. The transportation system shall respond to the cancellation request with a Material Release Advice/Disposal Shipment Advice 945A message, with an “A6” in the W0612 segment. The distribution code shall carry a value of “111” to inform DAASC of the use of the supply status response (MILS AE6/AEJ format) as part of the Retail Transportation and Supply Interchange. In addition to the distribution code “111” identifying the retail interface, it also authorizes the use of supply status codes, as a response to the cancellation request. The Material Release Advice/Disposal Shipment Advice 945A W0611, W0612 and LQ segment values for this step are as follows:

C2.3.5.5.1. Material Release Order.

C2.3.5.5.1.1. W0611 = “NL”

C2.3.5.5.1.2. W0612 = “A6”

C2.3.5.5.1.3. LQ01 = “AK” and LQ02 = “111”

C2.3.5.5.2. Disposal Release Order.

C2.3.5.5.2.1. W0611 = “NQ”

C2.3.5.5.2.2. W0612 = “A6”

C2.3.5.5.2.3. LQ01 = “AK” and LQ02 = “111”

C2.3.5.5.3. To report the applicable supply status code associated with the cancellation response, LQ01 = “81” and LQ02 = authorized code values from DOD 4000.25-1-M, Appendix 2.16. Typical status codes that may be reported by transportation are “BF” to denote that transportation has no record of the document for the cancellation request, “BQ” to denote that the cancellation request is confirmed and the release order is no longer being processed for shipment, and “B8” to denote that the quantity requested for cancellation cannot be processed because the item has already been shipped.

C2.3.5.6. Shipment Notification (Material Release Confirmation). Once the material is shipped, the transportation system shall initiate a Material Release Confirmation/Disposal Release Confirmation 945A (AR_) material release confirmation message to notify the supply system via DAASC that the material has shipped. The W0612 segment shall contain an “A6” and the distribution code = “111”. Upon receipt of the Material Release Confirmation/Disposal Release Confirmation 945A (AR_), the supply system shall transmit via DAASC the required Shipment Advice 856S (AS_) messages to the designated recipients, following normal supply business rules. Note: The retail supply system shall apply the original distribution code in lieu of the specially assigned code value of “111” in the shipment status messages. The Material Release Confirmation/Disposal Release Confirmation 945A W0611, W0612, and LQ segment values for this step are as follows:

C2.3.5.6.1. Material Release Order.

C2.3.5.6.1.1. W0611 = “NJ”

C2.3.5.6.1.2. W0612 = “A6”

C2.3.5.6.1.3. LQ01 = “AK” and LQ02 = “111”

C2.3.5.6.2. Disposal Release Order.

C2.3.5.6.2.1. W0611 = “NM”

C2.3.5.6.2.2. W0612 = “A6”

C2.3.5.6.2.3. LQ01 = “AK” and LQ02 = “111”

C2.3.5.6.3. Partial Transportation Control Numbers. If the shipment is partialled into multiple TCNs (e.g., alpha character other than “X” in record position 16), the W12 subloop will be repeated for each related partial TCN (e.g. record positions 1-15 are identical) with the TCN and the document number for the shipment identified in the N9/0040 segment.

C2.3.6. MULTI-PACK PROCESSING PROCEDURES. This section provides procedures for use

when processing multi-packs.

C2.3.6.1. DLMS-compliant supply systems.

C2.3.6.1.1. Materiel Release 940R. This will be used as a multi-line document transaction to identify the lead document number for a multi-pack and the document numbers contained within the multi-pack. The authorization to do this shall be carried in the W0507/0200 segment with a value "CN". For material and disposal release orders and redistribution orders, the N9/0900 segment shall contain the lead document number assigned to the multi-pack, from which the transportation control number will be derived/assigned. The W01 (Loop ID 0310) shall be repeated for each document number associated with the multi-pack including the lead document number identified in N9/0900. For follow-up requests, the requests shall only be at the lead document number level, with it identified in the W01 loop in the N9/0400 segment; no looping of the W01 is required; however, the following values shall be used to satisfy X12 syntax compliance: W0101 = "111", W0102 = "MX", W0104 = "ZZ", and W0105 = "MIXED". For cancellation requests, the requests shall contain the single line material release order document number, and the transportation system shall recognize that the document number used may not be the lead document number, but may still be part of a multi-pack. Cancellation will be attempted for all items/quantities for which a DD Form 1348-1A has been released and there is no record of transportation release, unless the dollar value of a single line packed in a consolidated shipment unit is less than \$200, per DoD 4000.25-1-M, C3.34-6.

C2.3.6.1.2. Materiel Release Advice 945A. This will be used as a multi-line document transaction to identify the transportation control number (and partial TCNs) and lead document number associated to it. The authorization to do this shall be carried in the W0507/0200 segment with a value "CN". For status responses, the responses shall only be at the lead document number level, with it identified in the W12 loop in the N9/0040 segment and the W1207 segment shall carry a "ZZ" with the word "MIXED" in the W1208 segment to denote an multi-pack with mixed commodities. For cancellation responses, the response shall be at the single line document number level. For material release confirmation when the multi-pack is not partialled into multiple TCNs, the transaction shall be processed as a single line transaction with the TCN and the lead document number identified in the W12 subloop and the W1207 segment shall carry a "ZZ" with the word "MIXED" in the W1208 segment. If the multi-pack is partialled into multiple TCNs (e.g., alpha character other than "X" in record position 16), the W12 subloop shall be repeated for each related partial TCN (e.g. record positions 1-15 are identical) with the TCN and the lead document number for the multi-pack identified in the N9/0040 segment and the W1207 segment shall carry a "ZZ" with the word "MIXED" in the W1208 segment. When the retail supply activity receives the material release confirmation, they shall associate it with all the document numbers that were contained in the initial material release order, generate the required Shipment Advice 856S Shipment Status transactions for the multi-pack, and transmit to DAAS for distribution per existing procedures and trading partner profiles.

C2.3.6.2. MILS-Compliant Supply Systems.

C2.3.6.2.1. Materiel Release Order 940R. This will be transformed by DAASC from the MILS release order into a single line item order, as it is normally done today. The transportation system shall incheck the multi-pack by either scanning or manually loading the lead document number; the transportation operator will then have to read the individual DD1348-1A contained within the pack list to incheck the items individually and associate them to the lead document number. The TCN shall be derived from the lead document number. For follow-up and cancellation requests, the requests shall contain the single line material release order document number. For cancellations, the transportation system shall recognize that the document number used may not be the lead document number, but may

still be part of a multi-pack. Cancellation will be attempted for all items/quantities for which a DD Form 1348-1A has been released and there is no record of transportation release, unless the dollar value of a single line packed in a consolidated shipment unit is less than \$200, per DoD 4000.25-1-M, C3.34.6.

C2.3.6.2.2. Materiel Release Advice 945A. For status and cancellation responses, the message shall be originated by the transportation system at the single line item transaction, comparable to the single line item 940R received from the supply system; it shall be transformed by DAASC into a single line MILS AE6/AEJ transaction at the material release order document number level. For material release confirmations, the transportation system shall originate the transaction at the single line item level, comparable to the single line item 940R received from the retail supply system; DAASC shall transform the message into individual MILS equivalent AR_ transactions with the appropriate TCN (or partial TCN) mapped to the document numbers cited in the W12 subloop.

C2.3.7. ASSEMBLAGE (e.g., MEDICAL) PROCESSING PROCEDURES. This section provides procedures for assemblage processing and the associated transactions between supply and transportation for shipment requirements. Refer to DoD 4000.25-M, Volume 2, Chapter 20, Medical Unit Assembly Program, for related procedures used by the medical supply system to construct assemblages.

C2.3.7.1. DLMS-compliant supply systems.

C2.3.7.1.1. Materiel Release 940R. This will be used as a multi-line document transaction to identify the Assemblage Identification Number (AIN) for an assemblage and the internal document numbers contained within the assemblage. The authorization to do this shall be carried in the W0507/0200 segment with a value "ME". The N9/0900 segment will contain the AIN assigned to the assemblage, from which the transportation control number shall be derived/assigned. The W01 (Loop ID 0310) loop shall be repeated for each internal document number associated with the assemblage, with the information associated with the AIN being the first loop. For follow-up and cancellation requests, the requests shall only be at the AIN level, no looping of the W01 is required; however, the following values shall be used to satisfy X12 syntax compliance: W0101 = "111", W0102 = "MX", W0104 = "ZZ", and W0105 = "MIXED". The lead document number will be in the W01 loop in the N9/0400 segment.

C2.3.7.1.2. Materiel Release Advice 945A. This will be used as a multi-line document transaction to identify the transportation control number (and partial TCNs) and AIN associated to it. The authorization to do this shall be carried in the W0612/0200 segment with a value "ME". For status and cancellation responses, the responses shall only be at the lead AIN level, with it identified in the W12 loop in the N9/0040 segment and the W1207 segment shall carry a "ZZ" with the word "MIXED" in the W1208 segment to denote an assemblage with mixed commodities; no looping of the W12 is required. For material release confirmation when the assemblage is not partialled into multiple TCNs, the transaction shall be processed as a single line transaction with the TCN and the AIN identified in the W12 subloop and the W1207 segment shall carry a "ZZ" with the word "MIXED" in the W1208 segment. If the assemblage is partialled into multiple TCNs (e.g., alpha character other than "X" in record position 16), the W12 subloop shall be repeated for each related partial TCN (e.g. record positions 1-15 are identical) with the TCN and the AIN for the assemblage identified in the N9/0040 segment and the W1207 segment shall carry a "ZZ" with the word "MIXED" in the W1208 segment. When the retail supply activity receives the material release confirmation, they shall generate the required Shipment Advice 856S shipment status transaction at the AIN level for the assemblage.

C2.3.7.2. MILS-compliant supply systems.

C2.3.7.2.1. Materiel Release 940R. This shall be transformed by DAASC from the MILS release order into a single line item for the entire assemblage as a single unit. The transportation system shall incheck the assemblage by scanning or manually loading the AIN and processes the assemblage as a single shipment unit. The TCN shall be derived from the AIN. For follow-up and cancellation requests, the requests shall only be at AIN level, no looping of the W01 is authorized.

C2.3.7.2.2. Materiel Release Advice 945A. For status and cancellation responses, the message shall be originated by the transportation system at the single line item transaction, comparable to the single line item 940R received from the supply system; it shall be transformed by DAASC into a single line MILS AE6/AEJ transaction at the AIN level. For material release confirmations, the transportation system shall originate the transaction at the single line item level, comparable to the single line item 940R received from the retail supply system; DAASC shall transform the message into individual MILS equivalent AR_ transactions with the appropriate TCN (or partial TCN) mapped to the AIN cited in the W12 subloop.

~~C2.4. NON-STOCK SHIPMENTS. Reserved for future use.~~

Enclosure 2, DoD 4000.25-M, Volume 2

Addendum to ADC 316C revisions are identified in *bold italics*:

C19. CHAPTER 19a
UNIQUE ITEM TRACKING

C19.17. MATERIAL REDISTRIBUTION AND RELEASE.

C19.17.1 The shipping activity shall release the appropriate number and condition code of UII(s) items without regard to the UII(s) selected. Also applies to DRO. There is currently no documented requirement for an owner to direct release of a specific UII(s).

C19.17.2 DLMS Retail Supply And Transportation Receipt And Acknowledgement Interchange. (See DoD 4000.25-M, Volume 3, Chapter 2) For designated supply trading partners (currently limited to the Standard Base Supply System (SBSS) - Cargo Movement Operations System (CMOS) interface, the Materiel Release 940R will be used to support the unique item tracking (UIT) program for Positive Inventory Control (PIC) Nuclear Weapon Related Materiel (NWRM). Unique item identifiers (UIIs) and the associated serial number will be passed in the 940R for each item meeting the PIC NWRM program criteria. For legacy items where the UII has not been marked in accordance with Item Unique Identification (IUID) policy, the serial number alone will be passed. This is an interim measure pending transition to tracking by UII. Future Integrated Logistics Support – Supply (ILS-S) releases (FY 09-10) will include the serial number/UII in the 945A transaction.

C19.17.3 For designated supply trading partners (currently limited to the SBSS – CMOS interface), an information copy (image) of the Materiel Release 940R and Materiel Release Advice 945A will be used in support of Air Force PIC Fusion program data requirements. The routing of an additional information-only copy of the DLMS standard transactions (940R and 945A) is authorized for forwarding PIC Fusion data needed for the Air Force UIT registry. This is a specific authorized use with unique identifiers to flag the transaction as information only.

Enclosure 3, Comment Resolution

Item #	Received from	Comments	Resolution
1.	Air Force	Concur.	None required.
2.	DMLSS	Concur.	None required.
3.	Army Army SCE-BTL Army LOGSA Army Ammo	Concur. No systemic impact/changes. No impact. Concur, no impact.	None required. None required. None required. None required.
4.	DAASC	Concur with interim solution to provide image transaction, but Air Force must provide NWRM NSN listing.	Air Force to provide DAASC with NWRM NSN listing.
5.	GSA	Concur.	None required.