



SUSTAINMENT

## OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE

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DLM 4000.25, Volume 3, April 2, 2019  
Change 7

### DEFENSE LOGISTICS MANAGEMENT STANDARDS VOLUME 3, TRANSPORTATION CHANGE 7

I. This change to DLM 4000.25, Defense Logistics Management Standards (DLMS), Volume 3, March 23, 2012, is published by direction of the Deputy Assistant Secretary of Defense for Logistics under the authority of DoD Instruction (DoDI) 4140.01, "DoD Supply Chain Materiel Management Policy," December 14, 2011. Unless otherwise noted, revised text in the manual is identified by ***bold, italicized*** print. Exceptions are when an entire chapter or appendix is replaced, a new one added, or an administrative update is made. Administrative updates in Change 7 include, but are not limited to, the following: Office names and symbols that have changed are updated (e.g., ODASD(Logistics)). Abbreviations such as etc., e.g., and i.e. are incorporated inside the parentheses. Occurrences of "shall" are changed to "will" per a style change for DoD issuances. References to "(DLA) Transaction Services" are changed to "Defense Automatic Addressing System (DAAS)" and "DLA Logistics Information Services" to "Logistics Information Services". In addition, minor typographical and similar editing errors in previous versions have been corrected.

II. This change includes Approved Defense Logistics Management Standards (DLMS) Changes (ADC) published by Enterprise Business Standards Office memorandum:

A. ADC 1188 dated December 26, 2018. Aligns DoD code names in the Type of Pack and Transportation Method/Type Code conversion guides with the USTRANSCOM Reference Data Management (TRDM) registry code names, and maps the TRDM to X12 code names. Adds a new mapping for Tank Car to the Type of Pack conversion guide. Updates the Unit of Materiel Measure (Unit of Issue/Purchase Unit) conversion guide to ensure DoD codes (other than those represented in the Federal Logistics Information System (FLIS) as documented in Cataloging Data and Transaction Standards, Volume 10, Tables 53 and 81) have the name assigned by X12. Additional updates correct some erroneous mappings for DoD Codes).

III. The list below identifies the chapters, appendices, or other files from the manual that are replaced by this change:

**Added or Replaced Files**

Change History Page  
Chapter 1

IV. This change is incorporated into the on-line DLM 4000.25 series of manuals and the PDF files containing the entire set of change files on the publications page of the Enterprise Business Standards Office Website: [www.dla.mil/does/dlms-pubs](http://www.dla.mil/does/dlms-pubs)

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# **VOLUME 3 – TRANSPORTATION**

## **PROCESS CHANGE HISTORY**

ADC Number	Date	Change Description	Change Number
305	10/23/2008	<b>Revision to DOD 4000.25-M, DLMS Manual, Volume 3 - Transportation.</b> This administrative change establishes Volume 3 of the DLMS Manual to establish governance in the form of DoD standard procedures and data and transactions for the interchange of information between the logistics and transportation domains. Incorporates front matter, Chapter 1 - Introduction, and Chapter 3 - Passive RFID Transactions, with DLMS Supply Process Review Committee and United States Transportation Command's Defense Transportation Electronic Business (DTEB) Committee. Revises DLMS Volume 3, Transportation and moves Volume 2, Chapter 24, Passive Radio Frequency Identification (RFID) to Volume 3, Transportation, Chapter 3, Passive Radio Frequency Identification (RFID) Transactions.	0
316	2/19/2009	<b>Retail Transportation and Supply Receipt and Acknowledgement Transactions.</b> This ADC approves a standardized interchange (through the use of electronic data interchange (EDI)) and set of business processes between retail transportation and supply activities through the use of the standard DLMS Warehouse Shipping Order (940R) and Warehouse Shipping Advice (945A). This standard exchange provides the ability to pre-position release order data in transportation, submit follow-up status messages to transportation requesting updated shipment status, submit cancellation requests to transportation for release orders already turned over to transportation for shipment planning and execution, provide supply status messages from transportation to supply, provide cancellation response messages from transportation to supply, and submit material release confirmation messages from transportation to supply when the material has shipped. Revises DLMS Supplements 940R, Warehouse Shipping Order, and 945A, Warehouse Shipping Advice. DLMS Volume 2, Chapter 2, Retail Transportation and Supply Interchange.	0

ADC Number	Date	Change Description	Change Number
316A	6/26/2009	<b>USAF Requirements for Item Record Data and Unique Item Tracking (UIT) using the Materiel Release (DLMS Supplement 940R) under Transportation and Supply Receipt and Acknowledgement Interchange.</b> This change enhanced the Standard Base Supply System (SBSS) - Cargo Movement Operations System (CMOS) interface in association with implementation of the ADC 316 procedures for retail transportation and supply receipt and acknowledgement interchange. The change will allow SBSS to perpetuate selected item record (NSN) data and serialized control numbers/unique item identifiers (UII) in the 940R Material Release <b>transaction</b> . Revises Chapter 1, Introduction, and Chapter 2, Retail Supply and Transportation Interchange.	0
316B	6/26/2009	<b>New Distribution Code (111) for the Retail Transportation and Supply Receipt and Acknowledgement Interchange for the 940R and 945A.</b> This change clearly identifies the transaction used for the Retail Transportation and Supply Receipt and Acknowledgement Interchange. The Distribution Code 1 has been replaced by the new code 111. Revises Volume 3, Transportation, Chapters 1, Introduction, and 2, Retail Supply and Transportation Interchange, as well as, DLMS (4030) 940R, Material Release, and (4010) 945A, Material Release Advice.	0
316C	1/15/2010	<b>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.</b> 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. Revises Chapter 2, Retail Supply and Transportation Interchange, DLMS 940R, Material Release, and DLMS 945A, Material Release Advice.	0
316D	8/3/2010	<b>Air Force-Unique Document Identifier Code Mappings to 940R under the Retail Transportation and Supply Receipt and Acknowledgement Transactions.</b> This change revises Document Identifier Codes (DIC) FTA and FTR will be replaced by new DICs XAA and XAR, respectively. The maps for the XAA and XAR are at Enclosure 1. Since the data content for the Air Force DIC FTA/FTR is not MILSTRIP-compliant, this DIC change is necessary to avoid confusion with MILSTRIP compliant FTA/FTR transactions, which map to DLMS 180M, Materiel Returns Reporting, and DLMS 870M, Materiel Returns Supply Status, respectively. Revises DLMS (4030) 940R, Material Release, and DLMS (4030) 945A, Material Release Advice. No Manual revisions.	0

ADC Number	Date	Change Description	Change Number
395	9/1/2010	<b>Request for New Transportation Activity Processing Supply Status Code.</b> This change uses Supply Status Code BX that enables the transportation activity to report a more detailed supply status in response to a follow-up inquiry from supply. The Supply Status Code BX provides transportation with a more descriptive status message back to supply, to report that the item for shipment has not yet arrived at the transportation activity for in-check. Revises Chapter 2, Retail Transportation and Supply Interchange (Stock and Non-Stock Shipments).	0
397	10/26/2009	<b>Deletion of the Passive RFID Reader ID Number from the Reader Registration Table.</b> This change deletes the requirement for reporting the pRFID Reader ID Number in the XML Reader Registration transaction. There are no system changes required from deleting the Reader ID Number entry from the table in the DLMS Manual, since the data element is not carried in the XML pRFID transactions. Revises Reader Registration and Visibility Transaction Data Requirements Tables in Chapter 3, Passive Radio Frequency Identification Transactions.	0
407	12/27/2010	<b>Requirements for Unique Item Tracking (UIT) in the DLMS Supply Status (870S) Supporting the Cargo Movement Operations System (CMOS) Interface.</b> This change will allow for the inclusion of UII and/or Serial Number data in DLMS 870S transactions in support of the supply transportation interchange. The supply status applicable to this change is generated by ILS-S (Air Force retail supply system), authorizes the generation of an information copy of the 870S to satisfy a specific Air Force PIC NWRM need, and establishes a new qualifier to identify the retail supply activity generating the supply status. Revises Chapter 2, Retail Supply and Transportation Interchange (Stock and Non-Stock Shipments).	0
411	4/12/2011	<b>Update Functionality for DLMS 856S Shipment Status and DLMS 945A Material Release Advice.</b> This change adds a new Replacement Indicator (BSN02 = RR) to flag the 856S, Shipment Status, transaction as an updated shipment status, a new Status Reason Code (BSN07 = A40) to advise the submitter to the status update, a new Replacement Indicator (W0602 = RR Replace) to advise the submitter, a new Replacement Indicator (W0602 = RR Replace) to advise the ICP to flag the transaction as an updated Material Release Confirmation (MRC), and adds a new Shipping Date Change Reason Code (W0610 = 13) to advise the ICP that the shipper submitted an updated MRC and revises DLMS 945A, Material Release Confirmation. Revises DLMS 856S, Shipment Status, and DLMS 945A, Material Release Confirmation. Revises Chapter 2, Retail Supply and Transportation Interchange (Stock and Non-Stock Shipments).	0

ADC Number	Date	Change Description	Change Number
417	4/27/2011	<b>Shipment Status for Local Delivery Manifested, Outbound MILS Shipments on Behalf of On-Base Customers, Re-Warehousing Actions between Distribution Depots, and non-MILS Shipments to Off-Base Customers, with Passive Radio Frequency Identification (RFID).</b> This change documents procedures for use of the DS 856S, Shipment Status, for passive RFID tagging for shipments that are either local delivery manifesting to base customers, outbound MILS shipments on behalf of on-base customers, re-warehousing actions/transshipments between Distribution Depots, or non-MILS shipments to off-base customers. Revises DLMS (4030) 856R, Shipment Status Material Returns, and Chapter 3, Passive Radio Frequency Identification (RFID) Transactions.	0
1007C	7/31/2014	<b>Code Updates to the DLMS 842P Product Quality Deficiency Report (PQDR) Data Exchange.</b> Documents new and revised codes for use in processing Product Quality Deficiency Reports (PQDR) and updates the DLMS Implementation Convention (IC) 842P as approved for implementation. This change also includes minor corrections of typographical errors and clarification for appropriate use of specific data elements and administrative updates to convert the DLMS supplement to an IC. This change also establishes the DLMS as the authoritative code source for selected PQDR-related data elements. Revises Chapter 4, Transportation Reference Tables for DLMS Transactions and DLMS 842P.	4
1024	8/14/12	<b>Update Logistics Data Resources Management System (LOGDRMS) for the Transportation Codes Used in Supply Transactions.</b> This change modifies the source location of transportation reference tables previously found in LOGDRMS and used for DLMS supply transactions. Adds Chapter 4, Transportation Reference Tables for DLMS Transactions.	1
1024A	9/26/12	<b>Update Logistics Data Resources Management System (LOGDRMS) Air Dimension Code Definition and Incorporate Subscription Process to USTRANSCOM Reference Data Management (TRDM) System.</b> This administrative change corrects the definition of air dimension code in LOGDRMS, incorporates the TRDM subscription process into the DLMS manual, and updates the DLMS usage for Transportation Mode or Method Code and the corresponding Conversion Guide. Revises Chapter 4, Transportation Reference Tables for DLMS Transactions, and adds Appendix 1, USTRANSCOM Reference Data Management (TRDM) Repository Information.	2

ADC Number	Date	Change Description	Change Number
1055	3/27/2013	<b>Add Cargo Movement Operations System (CMOS) Transportation In-checker Identification Information to the DLMS 945A Materiel Release Advice in Support of the Retail Supply and Transportation Interchange.</b> This change adds a transportation in-checker code and the name of the in-checker to DLMS Supplement 945A, when the storage and transportation activities are operating under the Retail Supply and Transportation Interchange procedures. Revises Chapter 2, Retail Supply and Transportation Interchange-Stock Shipments, as well as DLMS 945A.	3
1073	1/24/2014	<b>Implementation of Item Unique Identification (IUID) in the DLMS 940R/945A Supporting the Supply-Transportation Interface; Creation of New DLMS 945A Implementation Convention (IC) Version 4030; Administrative Update to the DLMS 945A IC Version 4010.</b> Implements inclusion of the IUID content in the standardized retail supply and transportation interchange for stock shipments using the DLMS 940R Materiel Release and the DLMS 945A Materiel Release Advice, when the distribution code in those transactions is 111. This change also establishes a new version of the DLMS Implementation Convention (IC) for the 945A, based on ASC X12 Version/Release 4030. Revises Chapter 2, Retail Supply and Transportation - Stock Shipments and DLMS 945A and 940R.	4
1164	7/10/2015	<b>Revise DLMS 940R Materiel Release and DLMS 945A Materiel Release Confirmation for Carrier Account Data Associated with Directed Return of Discrepant/Deficient Materiel and Procedures for use of the DLMS 940R when Directing Shipment of Discrepant/Deficient Materiel via Supply Discrepancy Report (SDR) Reply.</b> This change approves incorporation of carrier and associated account data in the DLMS 940R Materiel Release Order (MRO) for the purpose of communicating return shipping instructions to the storage activity. This change also updates SDR Reply procedures to clarify that disposition instructions for discrepant/deficient materiel provided to DLA distribution centers for the purpose of directing shipment of the discrepant materiel to another location, (e.g., return to the vendor) requires concurrent transmission of a DLMS 940R Materiel Release. Revises DLMS Volume 3, Chapter 2 Retail Supply and Transportation Interchange. Revises DLMS 940R and 945A (Versions 4010 and 4030).	5

ADC Number	Date	Change Description	Change Number
1188	12/26/18	<p><b>Alignment of DOD/ASC X12 Conversion Guides for Type of Pack, Transportation Method/Type Code, and Unit of Materiel Measure (Unit of Issue/Purchase Unit).</b> Aligns DOD code names in the Type of Pack and Transportation Method/Type Code conversion guides with the USTRANSCOM Reference Data Management (TRDM) registry code names, and maps the TRDM to X12 code names. Adds a new mapping for Tank Car to the Type of Pack conversion guide. Updates the Unit of Materiel Measure (Unit of Issue/Purchase Unit) conversion guide to ensure DOD codes, other than those represented in the Federal Logistics Information System (FLIS) as documented in Cataloging Data and Transaction Standards, Volume 10, Tables 53 and 81, have the name assigned by X12. Additional updates correct some erroneous mappings for DOD Codes.</p> <p>Revises Chapter 1 - Introduction;</p>	7
1206	7/27/2016	<p><b>Transportation Account Code (TAC) Validation in the Retail Supply and Transportation Interchange and Creation of New Shipment Hold Code S (Supply/Transportation).</b> Establishes the requirement for transportation account code (TAC) validation prior to shipment of cargo by transportation as part of the retail supply and transportation interchange procedures prescribed in Chapter 2. Revises Chapter 2, Retail Supply and Transportation - Stock Shipments.</p>	6
1233	8/5/2016	<p><b>Administrative Update to the Defense Logistics Manual (DLM) 4000.25 Series of Manuals Front Matter Page Numbering and Definitions for DLMS Supplement and Implementation Convention.</b> Revises the page numbering of the "front matter" (Foreword, Process Change History, Table of Contents, Acronyms and Abbreviations, Definitions and Terms, References) in the DLM 4000.25 series of manuals to prepend an alphabetic indicator to the page numbers in each section of the front matter. Each page number will begin with an abbreviation of that section's name. Revises the front matter of the manual.</p>	6



# **C1. CHAPTER 1**

## **INTRODUCTION**

### **C1.1. GENERAL**

C1.1.1. **Purpose.** This volume provides DoD standard procedures, data and transactions for the interchange of information between the logistics and transportation domains. Electronic Data Interchange (EDI) Implementation Conventions (ICs) use American National Standards Institute (ANSI) Accredited Standards Committee (ASC) X12 transactions. Implementation of these guidelines facilitates seamless entry of materiel from the supply domain into the Defense Transportation System (DTS). It also enhances In-Transit Visibility (ITV) and improves data quality.

C1.1.2. **Defense Logistics Management System (DLMS) Volume Access.** Use of this volume requires simultaneous access to the DLMS Manual Volume 1 administrative items such as the lists of, acronyms and abbreviations, terms and definitions, and references; instructions for acquiring access to the DLMS standards data base; DLMS-to-Defense Logistics Standard System (DLSS) cross-references and ***DoD/ASC X12 Conversion Guides***; specific guidance that applies to all implementation conventions; and functional and technical information that is relatively stable and applies to the DLMS as a whole.

C1.2. **POLICY.** The corresponding DoD Directives, DoD Instructions, Defense Logistics Manuals (DLMs), Defense Transportation Regulation, and any other applicable references will be cited in the individual Transportation Volume chapters as appropriate. At a minimum, these references include:

C1.2.1. DoD Instruction 4140.01, "DoD Supply Chain Materiel Management Policy", December 14, 2011.

C1.2.2. DoD Manual 4140.01, "DoD Supply Chain Materiel Management Procedures".

C1.2.3. DTR 4500.9-R, "Defense Transportation Regulation (DTR)."

C1.3. **APPLICABILITY.** This volume applies to the Office of the Secretary of Defense, the Military Departments, the Joint Staff, the Combatant Commands, and Defense Agencies. The manual applies, by agreement, to external organizations conducting logistics business operations with DoD including (a) non-Government organizations, both commercial and nonprofit; (b) Federal agencies of the U.S. Government other than DoD; (c) foreign national governments; and (d) international government organizations. The procedures in this volume apply in those instances when DoD logistics and transportation systems need to exchange standardized business information about materiel and shipments. This includes, for example, warehouse operations, vendor shipments, and reference tables where electronic transactions are exchanged "across

the seams” of the logistics and transportation domains. The use of standardized DLMS transactions in this interchange process, where supply and transportation business processes intersect, helps improve asset visibility and communications related to cargo movement operations.

C1.4. COMMITTEES. A coordination process will be conducted for the implementation and use of electronic transactions exchanged between the supply and transportation domains. The committees listed below, in addition to any others as required, will participate in the coordination and subsequent standardization process. Each of the committees below has a designated member serving as a representative on the other committee.

C1.4.1. The Defense Transportation Electronic Business (DTEB) Committee. The DTEB Committee, usually referred to as “the DTEB”, identifies and resolves issues and recommends management actions that support the accelerated implementation of electronic business information exchange. As the focal point for all defense transportation e-business development efforts, it coordinates e-business standards and requirements with defense and federal organizations and commercial industry. The committee represents transportation interests at all levels of the Federal Government. The United States Transportation Command (USTRANSCOM) serves as chair of the DTEB; Defense Logistics Management Standards is a member of the DTEB.

C1.4.2. The Supply Process Review Committee (PRC). The Supply PRC is the forum through which the DoD Components and other participating organizations participate in the development, expansion, improvement, maintenance, and administration of supply requirements for the DLMS. DLA Logistics Management Standards serves as chair of the Supply PRC; USTRANSCOM/DTEB is a member of the Supply PRC.

C1.5. NONCOMPLIANCE. If reasonable attempts to obtain 1) compliance with prescribed procedures or 2) resolution of DLMS supply-related problems are unsatisfactory, the activity having the problem **will** request assistance from either its DLMS Supply PRC representative or DTEB representative, depending on the nature of the problem. For transportation issues, contact the DTEB representative; for supply issues, contact the Supply PRC representative. The request **will** include information and copies of all correspondence pertinent to the problem; including the transaction set number, the transaction number, the date of the transaction involved, and any applicable DLMS Manual and DTR references. The representative will take the necessary actions to resolve the issue or problem. The actions may include requesting assistance from the DTEB chairperson (for transportation issues) or the Supply PRC chairperson (for supply issues).