DEFENSE LOGISTICS AGENCY
HEADQUARTERS
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FORT BELVOIR, VIRGINIA 22060-6221

IN REPLY
REFER TO

August 29, 2013

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Approved Defense Logistics Management Standards (DLMS) Change (ADC) 1060, Defense Logistics Manual 4000.25, Volume 1, Concepts and Procedures (DoDAAD/MAPAD/Supply/Finance/Pipeline Measurement)

The attached change to Defense Logistics Manual (DLM) 4000.25, Volume 1, Concept and Procedures is approved for publication. This change will be published as a reissuance to Volume 1.

Addressees may direct questions to Ms. Samantha Khuon, Chair, MAPAD Process Review Committee (PRC), 703-767-5288, DSN 427-5288 or email: samantha.khuon@dla.mil and/or Ms. Heidi Daverede, Co-Chair, Supply PRC, email: heidi daverede@dla.mil and/or Mr. Robert Hammond, Chair, Finance PRC, email: robert.hammond@dla.mil and/or Mr. Tad Delaney, Chair, DoDAAD PRC, email: thomas.delaney@dla.mil and/or Mr. Ken Deans, Chair, Pipeline Measurement PRC, email: kenneth.dean@dla.mil. Others must contact their Component or Agency designated representative.

DONALD C. PIPP
Director
DLA Logistics Management
Standards Office

Attachment
As stated

DISTRIBUTION:
DLMS PRC MEMBERS
DoDAAD, MAPAD, Finance, Supply, Pipeline Measurement
cc: ODASD(SCI)

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ADC 1060
Approved Defense Logistics Management Standards (DLMS) Change (ADC) 1060, Defense Logistics Manual 4000.25 (DoDAAD/MAPAD/Supply/Finance/Pipeline Measurement)

1. ORIGINATING SERVICE/AGENCY AND POC INFORMATION:

a. Technical POC: DLA Logistics Management Standards Office

b. Functional POC: N/A

2. FUNCTIONAL AREA:

a. Primary/Secondary Functional Area: DoDAAD/MAPAD/Supply/Finance/Pipeline Measurement

b. Primary/Secondary Functional Process: N/A

3. REFERENCES:

a. DLM 4000.25, Volume 1, Concepts and Procedures, June 5, 2012.

b. DoD 4000.25-13-M, DoD Logistics Data Element Standardization and Management Program Procedures.

c. DoDI 4140.01, DoD Supply Chain Materiel Management Policy, December 14, 2011.

4. APPROVED CHANGE(S):

a. Brief Overview of Change: This change incorporates the current DLMS data management practices, data standards, and procedures into the DLM 4000.25, Volume 1, Concepts and Procedures.

b. Background: In 1996, DoD 4000.25-13-M was published under the direction of the Deputy Under Secretary of Defense (Logistics) to provide guidance and procedures for standardization and management of data elements used in DoD-wide and joint Service/Agency logistics systems. While the department's mission for electronic data exchange (EDI) remains unchanged, all of the data management procedures in DoD 4000.25-13-M are now out of date. DLA Logistics Management Standards Office initiated an effort to replace DoD 4000.25-13-M with DLM 4000.25, Volume 5 (new), DLMS Data Management. As the development of DLM 4000.25, Volume 5 began to be redrafted, it became apparent that the content should be merged into Volume 1 vice Volume 5 to avoid overlaps between the two volumes. Thus, DLM 4000.25, Volume 5 is no longer reserved for DLMS Data Management and a separate action will be taken to update the DODI 4140.01 to reflect this change.

c. Describe Approved Change in Detail: This change incorporates the current DLMS data standards and procedures into DLM 4000.25 Volume 1. The prior version of this manual included out of date information, duplication and a less than optimal organization of the material. To address the

issues, sections were moved, repetitive content was consolidated, and additional information was added to improve the usability. Detailed changes are at the enclosure. Due to the extent of changes, DLA Logistics Management Standards Office will take actions to reissue DLM 4000.25 Volume 1.

(1) Table 1 shows the existing layout of DLM 4000.25, Volume 1 and the revised layout as it is intended to be reissued.

Table 1. DLMS Volume 1 Realignment and Content Updates

DLM 4000.25, Vol 1, Original Location	**DLM 4000.25, Vol 1, Revised Location**
Chapter 1, C1.4.3.2 Establish Process Review Committees (PRC) C1.4.5. Process Review Committees	Chapter 1, added Supply Discrepancy Reporting to C1.4.3.2 and C1.4.5
Chapter 1, C1.4.6. DLA Transaction Services (including subparagraphs)	Chapter 1, C1.4.6. (consolidated duplicative content)
Chapter 1, C1.5.1. Scope of DLMS; C1.5.2. DoD Component Use	Chapter 1, C1.3.1.
Chapter 1, C1.5.2.2. DLMS ANSI ASC X12 Conversion Guides	Chapter 2, C2.5.2. DLMS ANSI ASC X12 Conversion Guides
Chapter 1, C1.6. DLMS Deviation or Waiver	Chapter 2, C2.6. DLMS Deviation or Waiver
Chapter 1, C1.7. Requirements for New or Revised DLMS Procedures (including subparagraphs)	Chapter 2, C2.4. Requirements for New or Revised DLMS Procedures
N/A	Chapter 2, C2.1.4. DLMS Data Management (new paragraph)
Chapter 2, C2.2.1. DLMS Implementation Architecture	Removed, Defense Information Infrastructure Common Operating Environment is no longer applicable as the DoD CIO has transitioned to the DoD Net-Centric Data Strategy
Chapter 2, C2.2.2. Global Exchange Service C2.2.3. Communication	Removed, duplicates DLA Transaction Service manual
N/A	C2.2 DLMS Implementation Process (new)
Chapter 2, C2.4.1. Transactions	Chapter 2, C2.2.1. Transactions

Chapter 2, C2.4.2. DLA Transaction Services	Chapter 2, C2.2.2. Transaction Flow
Chapter 2, C2.5.1.1. Electronic Data Interchange Standards C2.5.1.2. X12 Based Extensible Markup Language	Removed, duplicates Chapter 6. (A new reference sentence was added to C2.5.1. General Information)
Chapter 3, Change Management	Chapter 3, defined DLMS Implementation Convention and DLMS Supplement as synonymous. Updated DLMS Change Process steps to more accurately depict lifecycle of a DLMS change
Chapter 4, Functional Application Errors	Chapter 4, no changes (this chapter is not included in this ADC)
N/A	Chapter 5, DLMS Data Management (new)
N/A	Chapter 6, Standards and Conventions (new)
Chapter 5, Standards and Conventions	Chapter 7, Defense Logistics Management Standards use of Accredited Standards Committee X12
N/A	Chapter 8, Military Standard Standards/Defense Logistics Management Standards Mapping (new)
N/A	Chapter 9, Logistics Data Resource Management System (new)
Appendix 2, Terms and Definitions	Added definitions for DLMS Supplement and Country Code; updated definition for Implementation Conventions. Defined DLMS Implementation Convention and DLMS Supplement as synonymous
Appendix 3, Acronyms and Abbreviations	Redefined DLMS as Defense Logistics Management Standards vice Defense Logistics Management System
Appendix 4, DLSS/DLMS Conversion Guide	Redefined DLMS website to read DLA Logistics Management Standards Office Website.

Appendix 5, DLMS to DLSS Cross-Reference Tables	Defined DLMS Implementation Convention and DLMS Supplement as synonymous
Appendix 6, Defense Logistics Management Standards Code Lists/Qualifiers	Redefined DLMS as Defense Logistics Management Standards vice Defense Logistics Management System. Defined DLMS Implementation Convention and DLMS Supplement as synonymous.
Appendix 7, Defense Logistics Management Standards Transaction Formats	Redefined DLMS as Defense Logistics Management Standards vice Defense Logistics Management System. Administratively update all DLMS Supplements on the DLA Logistics Management Standards Office Website to be identified as DLMS Implementation Conventions.
Appendix 8, Transaction Set 997 Implementation Convention – Functional Acknowledgement	Redefined DLMS website to read DLA Logistics Management Standards Office Website.
Appendix 9, DLMS Change Process Flow Chart	Updated flow chart to more accurately depict lifecycle of a DLMS change
Appendix 10, Defense Logistics Management Standards Compliance	Rewrote appendix to define legislative and policy authority for DLMS compliance. Established and defined four different levels of DLMS compliance.

(2) All other changes are administrative in nature. Updates to paragraph numbers and references are required to realign the reference after the update to the manual.

d. <u>Revisions to DLM 4000.25 Manuals</u>: Revised DLM 4000.25, Volume 1, Concepts and Procedures as described in 4.c. (refer to Enclosure 1).

e. <u>Proposed Transaction Flow</u>: There are no changes to any transaction flows as a result of this change.

f. <u>Alternatives</u>: None.

5. REASON FOR CHANGE: This change is needed to incorporate the updated DLMS Data Management guidance and procedures into DLM 4000.25.

6. ADVANTAGES AND DISADVANTAGES:

a. <u>Advantages</u>: Publish updated DLMS data management guidance and procedures.

b. Disadvantages: None.

7. ESTIMATED TIME LINE/IMPLEMENTATION TARGET: No system implementation required.

8. ESTIMATED SAVINGS/COST AVOIDANCE ASSOCIATED WITH IMPLEMENTATION OF THIS CHANGE: N/A.

9. IMPACT:

a. New DLMS Data Elements: There are no new DLMS data elements associated with this change.

b. Changes to DLMS Data Elements: There are no changes to existing DLMS data elements.

c. Automated Information Systems (AIS): None

d. DLA Transaction Services: DLA Transaction Services should update their publications as needed to reflect this new guidance.

e. Non-DLA Logistics Management Standards Publications: Components should update their publications as needed to reflect this new guidance.

Enclosure 1, Revised DLM 4000.25 Volume 1

C1. CHAPTER 1

INTRODUCTION

C1.1. PURPOSE. This Defense Logistics Manual (DLM) prescribes logistics management responsibilities, procedures, rules, and electronic data communications standards for use in the Department of Defense, to conduct logistics operations. The Defense Logistics Management Standards or DLMS, identify processes governing logistics functional business management standards and practices rather than an automated information system. The DLMS provide an infrastructure for the participatory establishment and maintenance of procedural guidance to implement the Department's logistics policy by its user community.

C1.2. SCOPE. This manual applies to the Office of the Secretary of Defense, the Military Departments, the Joint Staff, the Combatant Commands, and Defense Agencies, hereafter referred to collectively as the DoD Components. The manual applies, by agreement, to external organizational entities 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.

C1.3. POLICY

C1.3.1. DLMS procedures, as prescribed herein, must be implemented uniformly between DoD Components and other participating external organizations and at all levels within each DoD Component. DoD Components must give priority to development and implementation of DLMS requirements before the development and implementation of intra-DoD Component requirements.

C1.3.2. DoD Instruction (DoDI) 4140.01, “DoD Supply Chain Materiel Management Policy,” December 14, 2011, authorizes the publication of this DLM and stipulates that it carries the full weight and authority of a DoD Manual. DoD 4140.1-R, “DoD Supply Chain Materiel Management Regulation,” May 23, 2003, establishes a configuration control process for the DLMS and prescribes use of the DLMS to implement approved DoD policy in logistics functional areas such as Military Standard Requisitioning and Issue Procedures (MILSTRIP), Military Standard Reporting and Accountability Procedures (MILSTRAP), Military Standard Billing System (MILSBILLS), Supply Discrepancy Reporting (SDR), and the DoD Physical Inventory Control Program (PICP).

C1.3.3. DoD Directive (DoDD) 8190.1, “DoD Logistics Use of Electronic Data Interchange (EDI) Standards,” May 5, 2000, assigns responsibilities to DLA Logistics Management Standards Office for direction, management, coordination, and control of the process to replace DoD unique logistics data exchange standards with approved EDI standards and supporting implementation conventions (IC) for DoD logistics business

transactional data exchange. Pending full implementation of enterprise-wide modernized data exchange standards, this manual may reflect legacy processes, formats, data, and mediation.

C1.4. RESPONSIBILITIES

C1.4.1. Assistant Secretary of Defense (Logistics and Materiel Readiness (ASD)(L&MR)). Develop policy and provide guidance, oversight, and direct implementation and compliance with the DLMS, except that the Under Secretary of Defense (Comptroller)(USD(C)) will be responsible for the MILSBILLS functional area addressed under Volume 4 of this manual. The Director of Defense Procurement and Acquisition Policy (DPAP) will be responsible for the Contract Administration functions of shipment notification, destination acceptance reporting, and contract completion status reporting areas addressed under Volume 7 of this manual. When carrying out their responsibility, the ASD (L&MR), DoD Comptroller, and Director DPAP, as appropriate for their respective functional areas, will:

C1.4.1.1. Direct or approve expansion of DLMS in assigned functional areas or application of DLMS in new functional areas.

C1.4.1.2. Provide DLA Logistics Management Standards Office with policy guidance for development, expansion, improvement, and maintenance of the DLMS.

C1.4.1.3. Resolve policy and procedural issues that cannot be resolved within the DLMS infrastructure.

C1.4.1.4. Ensure appropriate coordination with other Office of the Secretary of Defense (OSD) staff elements when DLMS policy guidance or directional memoranda affect assigned functions of these offices.

C1.4.1.5. Ensure appropriate coordination with other OSD staff elements when DLMS policy guidance or directional memoranda affect assigned functions of these offices.

C1.4.2. Director, Defense Logistics Agency

C1.4.2.1. Establish and resource the DLA Logistics Management Standards Office, which will report to the Director, Information Operations/Chief Information Officer (CIO) (J6), DLA HQ.

C1.4.2.2. Provide the necessary military and civilian personnel resources.

C1.4.2.3. Provide the necessary administrative support and services, including office space, facilities, equipment, automatic data processing support, and travel expenses for DLA Logistics Management Standards Office personnel.

C1.4.3. Director, DLA Logistics Management Standards Office. Operating under the authority of DoD 4140.1-R and DoDI 4140.01, serve as the primary proponent to establish procedures, data standards, and transaction formats to promote interoperability in the logistics community and associated functional areas. This includes the development,

maintenance and documentation of corporate level policies and procedures for exchanging logistics data between DoD Components, between DoD Components and other Federal departments and agencies, and between DoD Components and private industry. Participate in cooperative efforts with other government entities to develop data exchange standards. Maintain membership in external voluntary standards bodies and groups; (e.g., American National Standards Institute (ANSI) chartered Accredited Standards Committee (ASC) X12). Administer the DLMS for assigned functional areas and receive policy guidance from proponent offices of the ASD(LM&R), DPAP, and the DoD Comptroller, as appropriate. The Director, DLA Logistics Management Standards Office will:

C1.4.3.1. Establish a formal change management process for the DLMS.

C1.4.3.2. Establish Process Review Committees (PRC) composed of representatives from the DoD Components and participating external organizations for each of the DLMS functional areas of finance, pipeline measurement, supply discrepancy reporting and supply (to include but not limited to requisitioning and issuing procedures, physical inventory, and disposition services). PRCs are also established for DoD Activity Address Directory (DoDAAD) and Military Assistance Program Address Directory (MAPAD). Designate a chair for each PRC.

C1.4.3.3. Designate a program administrator to serve as the DoD focal point for the Physical Inventory Control Program. Chair the Joint Physical Inventory Working Group (JPIWG) to recommend guidance and develop program enhancements for physical inventory control of DoD supply system materiel.

C1.4.3.4. Designate a program administrator to serve as the DoD focal point for the DoD Small Arms and Light Weapons Serialization Program (DoDSA/LWSP. Chair the Joint Small Arms and Light Weapons Coordinating Group (JSA/LWCG) to perform the responsibilities defined in the JSA/LWCG Charter.

C1.4.3.5. Ensure uniform implementation of the DLMS by doing the following:

C1.4.3.5.1. Review implementation dates and plans of the DoD Components and participating external organizations, and make recommendations for improvement.

C1.4.3.5.2. Perform analysis and design functions to implement new or revised policy guidance and instructions, provided by OSD proponent offices, and to ensure the involvement of DLA Transaction Services with telecommunications planning in an integrated system design.

C1.4.3.5.3. Develop and recommend, to the appropriate OSD proponent office(s), new or revised policy with supporting analysis which identifies and explains process improvements and indicates methods to accomplish identified changes.

C1.4.3.5.4. Serve as the Department’s Executive Agent for logistics data interchange on behalf of the DLA Director, as delineated in DoD Directive 8190.1.

C1.4.3.5.5. Develop, publish, and maintain the DLMS manual and related DLM publications consistent with the DLM requirements identified in DODI 4140.01.

C1.4.3.5.6. Develop or evaluate proposed DLMS changes (PDC) and coordinate them with the DoD Components and participating external organizations. Provide a copy of all PDCs to the applicable OSD proponent office.

C1.4.3.5.7. Review, evaluate, and recommend improvements to curricula of DoD Components and participating external organizations' training schools offering DLMS-related courses.

C1.4.3.5.8. Assist DoD Components and participating external organizations in resolving problems, violations, and deviations that arise during operations and are reported to the PRC Chair. Refer unresolved matters to the applicable OSD proponent office with analysis and recommendations for resolution and corrective action.

C1.4.3.5.9. Make available to DASD(SCI) and to DoD Components, a status review of all DLMS revision proposals that have not been approved for publication or, that if approved, have not been implemented. The status review is updated weekly and is available from the DLA Logistics Management Standards Office Website: www.dla.mil/j-6/dlmso/eLibrary/changes/processchanges.asp.

C1.4.3.5.10. Review and coordinate with the DoD Components and participating external organizations all requests for system deviations and exemptions and make applicable recommendations to the OSD proponent office based on fact-finding status or analysis of accompanying justification.

C1.4.4. Heads of DoD Components and Participating External Organizations. Designate an office of primary responsibility for each DLMS functional area identified in section C1.3. Identify to DLA Logistics Management Standards Office, the name of a primary and alternate PRC representatives for each functional area who will:

C1.4.4.1. Serve as members on, and fulfill the responsibilities of, the PRC for that function.

C1.4.4.2. Provide the DoD Component's or external organization's position on DLMS matters and have the authority to make decisions regarding procedural aspects.

C1.4.4.3. Ensure continuous liaison with the DLMS PRC Chair and with other DoD Components and participating external organizations.

C1.4.4.4. Submit to the Director, DLA Logistics Management Standards Office, or appropriate PRC Chair, as DLMS PDCs, all proposed changes affecting logistics business processes irrespective of the electronic business technology employed following the procedures in Chapter 3 of this volume. Perform the initial evaluation of PDCs that originate within the DoD Component or participating external organization and return such proposals with the evaluation results.

C1.4.4.5. Perform the initial evaluation of all beneficial suggestions to the DLMS originating within the DoD Component or participating external organization. For suggestions considered worthy of adoption, submit a PDC to the DLMS PRC Chair in accordance with Chapter 3 of this Volume for processing in the normal manner. The originator's PRC representative will determine any awards using normal DoD Component or participating external organization procedures.

C1.4.4.6. Develop and submit to the PRC Chair, a single, coordinated DoD Component or participating external organization position on all PDCs within the time limit specified. When a PDC affects multiple DLMS functional areas, the control point for the PRC identified in the proposal will submit the single coordinated response.

C1.4.4.7. Accomplish internal training to ensure timely and effective implementation and continued operation of the approved DLMS. Review, evaluate, and update, at least annually, curricula of internal training programs to ensure adequacy of training. Furnish a copy of initial and revised training curricula to the appropriate DLMS PRC Chair.

C1.4.4.8. Implement the approved DLMS and changes thereto. Provide the PRC Chair with status information concerning implementation of approved changes. Report Control Symbol (RCS) DD-A&T(AR)1419 applies for this requirement. Begin reporting the first period following publication of the approved DLMS change. Stop reporting after identifying the approved change when the change is fully implemented. Cite the DoD Component or participating external organization implementing publication(s) and change number(s), and identify the operating system or subsystem involved. Provide the DLMS PRC Chair a copy of the publication change. Send the reports to the DLMS PRC Chair.

C1.4.4.9. Ensure that operating activities supporting the DLMS comply with the requirements and procedures published in the DLMs.

C1.4.4.10. Continually review and revise internal procedures to correct misinterpretation and prevent duplication of records, reports, and administrative functions related to the DLMS.

C1.4.4.11. Review supplemental procedures and/or implementing procedures issued by the DoD Components and participating external organizations to ensure conformance with the approved DLMS.

C1.4.4.12. Provide, to the appropriate PRC Chair, copies of supplemental and internal procedures, and changes thereto, related to operation of the DLMS.

C1.4.4.13. Report to the PRC Chair, problems, violations, and deviations that arise during system operations.

C1.4.5. Process Review Committees. PRCs are joint forums for each of the DLMS functional areas responsible for development, expansion, improvement, maintenance and administration of the DLMS. PRCs include finance, pipeline measurement, supply discrepancy report and supply (to include requisitioning and issuing procedures, physical

inventory accountability, and disposition services). PRCs are also established for DoDAAD, and MAPAD. The PRC representatives are listed on the DLA Logistics Management Standards Office Website, "Committees" page. The DLMS PRCs will:

C1.4.5.1. Be administered/controlled by the applicable DLMS PRC Chair.

C1.4.5.2. Consist of representatives from the DoD Components and participating external organizations.

C1.4.5.3. Meet at the request of the PRC Chair. The PRC Chair will, when possible, announce the meeting and identify the agenda items 30 calendar days in advance. The PRC Chair will issue fully documented minutes of these proceedings to each participating DoD Component or external organization, and the applicable OSD principal staff assistant (PSA), within 30 calendar days after the meeting.

C1.4.5.4. Review and resolve comments on PDCs, deviations, and waivers, or other problems and violations, and provide recommendations for implementation or disapproval. Refer any action that the PRC cannot resolve to the appropriate OSD PSA.

C1.4.5.5. Ensure uniform and effective implementation of DLMS requirements by:

C1.4.5.5.1. Conducting periodic evaluations to determine effectiveness of DoD/DLMS policies, procedures, and processes.

C1.4.5.5.2. Conducting reviews of selected DLMS operational areas to determine conformance with, and evaluate the effectiveness of, DLMS requirements and to interpret or provide clarification of DLMS procedures.

C1.4.5.5.3. Reporting findings and recommendations of evaluations and reviews, with comments of the DoD Components and participating external organizations, to the applicable OSD PSA.

C1.4.6. DLA Transaction Services. DLA Transaction Services serves as the logistics central hub through which all DLMS transactions pass for selective data edits, business rule application, translation, routing, archiving, and data warehousing. The services provided allow the DoD Component supply systems to speak the same language, by receiving data (sometimes non-standard), editing and validating the transactions; and forwarding the transactions, in the correct format, to the proper destination. DLA Transaction Services developed and maintains the Defense Automatic Addressing System (DAAS) to provide these services. The DAAS Manual is available on the DLA Logistics Management Standards Office Website www.dla.mil/j-6/dlmso/elibrary/manuals/dlm/dlm_pubs.asp. To ensure that these services are effective, DoD Component must route all DLMS transactions to DLA Transaction Services. Key responsibilities for DLA Transaction Services are:

C1.4.6.1. develop DLMS mapping and conversion processes,

C1.4.6.2. implement Approved DLMS Changes (ADC) and ensure that all modifications are incorporated into the, edits, translation rules, and records,

C1.4.6.3. implement DLMS logistics data transmission requirements and execute system modification tasks supporting the DLMS documented in ADCs,

C1.4.6.4. provide telecommunications support, archiving and storage, translation services, conversion processes, and other services to support DoD Component implementation of the DLMS,

C1.4.6.5. capture required data and produce the end-to-end pipeline metrics specified by the Pipeline Measurement PRC,

C1.4.6.6. develop, host and maintain enterprise applications and databases such as the DoDAAD, MAPAD, Web Supply Discrepancy Reporting, and host and maintains numerous essential database tables such as the Fund Code Table.

C1.5. DISTRIBUTION OF THE DLMS DEFENSE LOGISTICS MANUAL

C1.5.1. DLMS Manual. The DLMS manual is published electronically. No hard-copy document is available. The Defense Logistics Manuals are available from the DLA Logistics Management Standards Office Website www.dla.mil/j-6/dlmso under the header "Logistics Management Standards Publications." Any further distribution will be accomplished within each DoD Component or external organization based upon approved distribution data generated through their internal publication channels.

C1.5.2. Changes. DLMS changes are published electronically and are available on the DLA Logistics Management Standards Office Website www.dla.mil/j-6/dlmso under the header "DLMS Process Changes."

C1.6. HOW TO USE THE DLMS MANUAL

C1.6.1. Structure of the Manual

C1.6.1.1. Manual Layout. The DLMS manual comprises seven volumes: Volume 1, Concepts and Procedures; Volume 2, Supply Standards and Procedures; Volume 3, Transportation; Volume 4, Finance; Volume 5, Reserved; Volume 6, Logistics Systems Interoperability Support Services, and Volume 7, Contract Administration.

C1.6.1.2. DLMS Volumes

C1.6.1.2.1. DLMS Content. Each volume of the DLMS manual contains its own Foreword, Change History Page, and Table of Contents showing procedural chapters with listings of figures, and tables and appendices. Each volume of the DLMS manual may also contain appendices for related data that apply to multiple chapters in the volume; however, use of any of the functional area volumes requires simultaneous access to the DLMS Manual Volume 1 reference material items (e.g., terms, acronyms, and the DLMS change process).

C1.6.1.2.2. DLMS Implementation Conventions. Appendix 7 introduces the DLMS ICs that explain the use of the DLMS. The DLMS ICs are available on the DLA Logistics Management Standards Office Website www.dla.mil/j-6/dlmso/elibrary/TransFormats/140_997.asp. For each DLMS IC, a hyperlink is provided to machine readable formats (X12 and XML) DLMS Change History and corresponding DLSS legacy transaction format.

C1.6.1.3. DLMS Reference Material in Volume 1. Volume 1 contains appendices with reference items applicable to the entire manual. Reference items are:

Appendix 1	References
Appendix 2	Terms and Definitions
Appendix 3	Acronyms and Abbreviations
Appendix 4	DLSS/DLMS Conversion Guides
Appendix 5	DLMS to DLSS
Appendix 6	DLMS Code List Qualifiers
Appendix 7	DLMS Transaction Formats
Appendix 8	Transaction Set 997 Implementation Convention, Functional Acknowledgement
Appendix 9	DLMS Change Process Flow Chart
Appendix 10	DLMS Compliance

C2. CHAPTER 2

BUSINESS CONCEPTS AND ENVIRONMENTS

C2.1. OVERVIEW

C2.1.1. Defense Logistics Management Standards. The Defense Logistics Management Standards (DLMS) provide procedures and data formats to link the various component organizational elements of the Defense Logistics community including: inventory control points (ICPs), distribution depots, maintenance depots, transportation nodes, and end users in posts, camps, stations, ships, and deployed units. The DLMS address the different functional processes of logistics and provides standards to exchange data across the Military Services, Defense Agencies, other Federal Agencies, foreign national governments, international government organizations, and nongovernment participants. As other electronic business (EB) methods emerge, DLMS will incorporate these new capabilities into the DoD logistics business processes, as appropriate.

C2.1.2. Purpose. This chapter provides an overview of some of the technologies and procedures that all participants must implement to employ the DLMS across the range of participating organizations. This chapter also provides a road map to other parts of the manual that may provide more details about specific topics.

C2.2. DLMS IMPLEMENATION PROCESS. DLA Logistics Management Standards Office coordinates DLMS related requirements with the DoD Component focal points and interfaces with DLA Transaction Services to ensure that requirements are fulfilled. These requirements are transformed into new or revised DLMS procedures, transactions and data standards.

C2.2.1. Transactions. The DLMS provide descriptive procedures, transactions, and data formats for computer-to-computer communications. The transactions initiate a logistics action (e.g., requisition an item, authorize a funds transfer, ship an item). The transactions are structured and formatted to be transmitted by computer systems without human intervention.

C2.2.2. Transaction Flow. DLA Transaction Services acts as a central hub for all DLMS transactions. Transactions flow from the originator's computer to the Defense Automatic Addressing System (DAAS) operated by DLA Transaction Services. DAAS will edit the transactions for correct format, retain an image in an interactive data base for user access, and route the transactions to the correct recipient(s). The receiving computer(s) will process the transactions and initiate the appropriate logistics action. This action will frequently result in generation of additional DLMS transactions to other systems and/or responses back to the originator via DAAS. Refer to DLM 4000.25-4, DAAS Manual for procedures and operations of DLA Transaction Services.

C2.3. DLMS DATA MANAGEMENT

C2.3.1. Data management for DLMS provides data standards, syntax, and procedures necessary to ensure the data at the heart of DLMS transactions is well understood and interoperable. It prevents overlapping or incompatible uses of data and enables trading partners to communicate data or carry forward important data through related processes. The foundation of DLMS data management is based on the guiding principles established in DoD Directive (DoDD) 8190.1, "DoD Logistics Use of Electronic Data Interchange (EDI) Standards," May 5, 2000, and DoDD 8320.02, "Data Sharing in a Net-Centric Department of Defense." April 23, 2007. DLMS Data Management is further described in Chapter 5 of this volume.

C2.3.2. Continued Support For Legacy Data. DAAS will continue to execute the DLSS error notification processes until DoD has totally implemented the DLMS.

C2.4. REQUIREMENTS FOR NEW OR REVISED DLMS PROCEDURES

C2.4.1. Use of DLMS Procedures. DoD Components must use standards and procedures prescribed by the DLMS when undertaking development of new or revising existing logistics systems. If a DoD Component or other participating external organization requires changes to, or expansion of, the existing DLMS to accommodate technological innovations planned for new system designs, they must submit PDCs with full justification and explanation of the intended use following the instructions in Chapter 3 in this volume.

C2.4.1.1. DLMS Enhancements. The DLMS procedures and the supporting DLMS Implementation Conventions (IC) identify DLMS enhancements that may not have been implemented by all DLMS trading partners or within legacy systems. Therefore, data associated with an enhancement transmitted within a DLMS transaction may not be received or understood by the recipient's automated processing system. Additionally, DLMS procedures may not have been developed to support the data exchange. Components wishing to implement DLMS enhancements must coordinate with DLA Logistics Management Standards Office and trading partners prior to use. DoD Components must submit a PDC reflecting required business rules/procedures prior to implementation of DLMS enhancements already documented in DLMS ICs.

C2.4.1.2. Future Streamlined Data. The DLMS procedures and the supporting DLMS ICs identify data that may be targeted for elimination under a full DLMS environment. This data is often referred to as "future streamlined data". This data is retained within DLMS during a transition period when many trading partners employ legacy systems or cannot move to full DLMS capability. DoD Components wishing to streamline data must coordinate with DLA Logistics Management Standards Office prior to doing so. Components need to submit a PDC reflecting any revised business rules associated with such termination.

C2.4.1.3. DLMS Data Element Field Size. The DLMS ICs identify ANSI X12 field sizes and some field size constraints existing under DLSS legacy transactions. Many DLMS trading partners operating within a legacy system will not be able to support the DLMS expanded field size. Components desiring to implement an expanded field size under DLMS

must be aware that the conversion process to the DLSS legacy transactions cannot accommodate the larger fields. Components must coordinate with DLA Logistics Management Standards Office prior to use and may submit a PDC to adjust a field size to a recommended length.

C2.4.2. Submission of New Data Elements. Data elements employed in DoD-wide, inter-DoD Component, and participating external organization logistics systems' authoritative issuances that have not been standardized under DoDD 8320.02, "Data Sharing in a Net-Centric Department of Defense," April 3, 2007, will be submitted as proposed DoD logistics standards following procedures developed under the authority of ASD(L&MR). DoD logistics standard data elements must be used in design and upgrading of:

C2.4.2.1. DoD-wide and inter-DoD Component automated logistics systems and authoritative issuances, and

C2.4.2.2. DoD Component systems and issuances.

C2.5. DATA REQUIREMENTS AND FORMATS

C2.5.1. General Information. The DLMS use ANSI ASC X12 transactions for EDI and X12 based extensible markup language (XML). EDI is widely used in the private sector to conduct business operations, and also between industry and the Government in acquisition, transportation, finance, and other functional areas. The DLMS extend this electronic connectivity to internal DoD logistics operations. The DLMS may also expand to include other emerging EB methods as they are standardized and approved for use by the DoD. The standards and conventions are described in Chapter 6 of this manual.

C2.5.2. DLMS ANSI ASC X12 Conversion Guides. Three conversion guides must be incorporated in DoD systems using ANSI ASC X12 transaction formats to convert DoD data values established in legacy systems to the corresponding ANSI ASC X12 code values. DoD applications must convert outbound transactions from DoD code values to ANSI code values based on the DLMS Conversion Guide definitions. DoD applications must convert inbound transactions from ANSI code values to DoD code values based on DLMS Conversion Guide definitions (Appendix 4). The three conversion guides available from a link on the DLA Logistics Management Standards Office Website www.dla.mil/j-6/dlmso and Appendix 4 are:

C2.5.2.1. Transportation Mode of Shipment/Transportation Method/Type Code Conversion Guide.

C2.5.2.2. Type of Pack Conversion Guide.

C2.5.2.3. Unit of Material Measure (Unit of Issue/Purchase Unit) Conversion Guide.

C2.5.3. Legacy Format to DLMS Cross Reference Tables. A Defense Logistics Standard System (DLSS) legacy 80 record position format to DLMS transactions cross reference table provides the following information:

C2.5.3.1. Cross Reference to Legacy Formats. Cross Reference of each legacy format Document Identifier Code (DIC) (e.g., A01) to DLMS IC number (e.g., 511R) for legacy format processes in DIC sequence and DLMS IC sequence. Refer to Appendix 5.

C2.5.3.2. Correlation Tables. MILSTRAP correlation tables in legacy DIC sequence provide general functional equivalency between each MILSTRAP legacy DIC and DLMS IC. Details for the correlation tables are provided in Appendix 5, DLMS to DLSS Cross Reference Tables. The MILSTRAP correlation tables can be viewed at www.dla.mil/j-6/dlmso/eApplications/LogDataAdmin/dlssdlmscrossreftable.asp

C2.5.3.3. Cross Reference Tables. Cross reference tables for each legacy 80 record position DLSS DIC are available in DIC and DLMS sequence, here: www.dla.mil/j-6/dlmso/eApplications/LogDataAdmin/dlssdlmscrossreftable.asp

C2.5.4. DLMS Code Lists/Qualifiers. DLMS Code Lists/Qualifiers used to identify DoD functional data elements in the DLMS ICs are described in Appendix 6. They are accessible from a link in Appendix 6, DLMS Code List Qualifiers, or here: www.dla.mil/j-6/dlmso/eApplications/LOG.NET/UIL/Log_Qualifiers/LQHome.aspx

C2.5.5. Editing

C2.5.5.1. General. Data contained in DLMS transactions must be complete and accurate for the receiving computer systems to process. The following paragraphs define principles for maintaining accurate data within the DLMS for all participants.

C2.5.5.2. Edit at Origin. DLMS procedures require recipients to edit and, if necessary, reject transactions back to the sender. Originating activities should maximize editing and validation on their own transactions prior to transmission; this can minimize the expense and delay involved in processing erroneous transactions. Outbound transactions must meet all DLMS IC requirements. Components may apply more stringent or specific edit requirements on outbound transactions to meet their business requirements

C2.5.5.3. Use Data Only as Defined. Data elements will carry ONLY the data specifically defined in the DLMS ICs. Capabilities exist within the DLMS to support DoD Component unique data. However, DoD Components must submit proposed DLMS changes following Volume 1, Chapter 3 requirements to address any planned usage of Component-unique data.

C2.5.6. Error Processing

C2.5.6.1. Transaction Set (TS) 997, Functional Acknowledgement. DLMS use TS 997 when the translator encounters an error that violates ANSI ASC X12 syntax rules. TS 997 may also be used to acknowledge receipt of a transaction set without error when agreed to between the DoD and a commercial trading partner. Use of TS 997 is discussed in more detail in Appendix 8 of this manual and in DLM 4000.25-4, Defense Automatic Addressing (DAAS) Manual.

C2.5.6.2. DLMS Implementation Convention 824R, Reject Advice. DLMS 824R is used by the transaction recipient to reject a DLMS transaction that could not be processed due to erroneous or missing data based on requirements identified in the DLMS IC for a particular transaction. DLMS 824R is generated as an exception by DAAS and DoD Component application programs to convey information to the sender's application process. Originating sites will possess technical and procedural means to receive the application advice, correct errors, and retransmit appropriate data. Use of DLMS 824R is discussed in Volume 1, Chapter 4, Functional Application Errors.

C2.5.7. Change Control. DLA Transaction Services is the designated activity to perform change management for the translator used to convert legacy DLSS to DLMS or DLMS to legacy DLSS. DLA Transaction Services will upgrade the translator as logistics data requirements change and the DLMS are updated to reflect the changes. Volume 1 Chapter 3 discusses the guidelines for maintaining the DLMS and defines the procedures for processing and recording proposed DLMS changes.

C2.5.8. Enveloping. The DLMS support the bundling of multiple groups of data, referred to as enveloping. Specifically, multiple transactions can be bundled into a single DLMS interchange. Multiple transaction sets of a similar type can be placed into a single functional group, and multiple functional groups can be placed into a single interchange group. The DLMS use of envelopes is consistent with ANSI ASC X12.6 standards. Refer to DLM 4000.25-4, Defense Automatic Addressing (DAAS) Manual (Communications) for details of DLMS envelope usage.

C2.6. DLMS DEVIATIONS OR WAIVERS

C2.6.1. Submission. DoD Components and participating external organizations will not request DLMS deviations or waivers solely to accommodate existing internal systems and procedures or organizational environments. When requesting deviations or waivers, DoD Components and participating external organizations must submit them following the guidelines in Chapter 3 in this volume.

C2.6.2. Review. The PRC Chairs will consider requests for DLMS deviations or waivers when the requestor demonstrates that the system cannot provide a workable method or procedure, or cannot accommodate interim requirements. The Director, DLA Logistics Management Standards Office will forward unresolved matters to the applicable OSD proponent office for resolution.

C2.7. COMMUNICATION REQUIREMENTS

C2.7.1. Telecommunication Networks. The method for conveying DLMS transactions from one activity to another will be by DoD and Federal electronic telecommunications networks. DoD Components will route all DLMS transactions to DLA Transaction Services. The Defense Information Systems Network (DISN) is the main network pathway for transmission of transactions to and from the DAAS. Refer to the DLA Transaction Services procedures in DLM 4000.25-4 for DLMS-specific capabilities and requirements for transmitting data within the DISN.

C2.7.2. Common Communications Approach. All participating activities must use a common communications approach. DLA Transaction Services procedures (DLM 4000.25-4) define specific communication requirements. The following paragraphs highlight some of the key communications requirements:

C2.7.2.1. Data transmission will be via the DISN or other approved alternatives.

C2.7.2.2. Compression algorithms as defined by DLA Transaction Services will be used.

C2.7.2.3. Transaction set syntax and content will be in accordance with ANSI ASC X12.6 standards and the DLMS implementation conventions defined in this manual.

C2.7.2.4. Transactions through DAAS are encrypted.

C2.7.2.5. Component activities will maintain copies of all transmissions for at least one week, and will be able to retransmit them at the request of the receiving party. DLA Transaction Services will retain a copy of all receipts and transmissions. The length of the retention periods will vary by the specific transaction set. DLA Transaction Services procedures define the retention period for each type of transaction set.

C2.7.2.6. DLMS transactions are variable length and in many cases have no practical maximum size. However, for transmission purposes, an overall maximum size will be imposed for transaction sets and transmission envelopes (see Chapter 4).[1]

C2.7.3. Technical Solutions. DoD Component activities will have the discretion to determine the technical means to create the data exchange formats defined above, for example, using a commercial translator or develop their own software.

C2.8. DLA TRANSACTION SERVICES OPERATIONS

C2.8.1. Functions. DLA Transaction Services is central to all DLMS operations.[2] It performs numerous corporate functions for DLMS operations including:

C2.8.1.1. Performing basic edits and returning any transactions with errors back to the originator.

C2.8.1.2. Archiving all received and transmitted messages, to ensure retransmission capability in the event the original message was lost due to computer or telecommunications failure.

C2.8.1.3. Generating images, as required.

C2.8.1.4. Holding or forwarding transactions per DoD Component profile for the recipient.

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[1] Temporary restrictions at the data element level may be imposed on translation requirements to the previous fixed-length formats.

[2] Complete procedures for DLA Transaction Services are contained in the DLM 4000.25-4, DAAS Manual.

C2.8.1.5. Executing "suppress" or other national command directives.

C2.8.1.6. Loading transaction data into the Logistics On-Line Tracking System (LOTS).

C2.8.1.7. Coordinating and providing DoD management information on supply system performance evaluation.

C2.8.1.8. Performing additional functions for requisitioning, including rerouting requisitions to the correct source of supply (SOS).

C2.8.1.9. Rerouting other documents using DoD Component rules and records as appropriate.

C2.8.1.10. Evaluating the "To" address capability for receiving transactions in DLMS versus DLSS format.

C2.8.1.11. Converting transactions from legacy format DLSS to DLMS and from DLMS to DLSS, as required.

C2.8.2. DLMS Global Services Provider. DLA Transaction Services maintains activity profiles recording EDI capability, compression techniques, encryption techniques, communications media, and other address data of the DoD Components.

C2.8.2.1. Capabilities. In its role as the DLMS Global Services Provider and as a DoD distribution point for EDI communications with industry, DLA Transaction Services maintains an extensive capability to translate between EDI formats and other file structures. As required, DLA Transaction Services will provide translation between DLMS and Component user defined formats; between multiple versions of the ANSI ASC X12 standards; and between other EDI formats, such as XML. In addition, DLA Transaction Services will support translation between DLSS legacy formats and DLMS formats referred to as “conversion”.

C2.8.2.2. Transition Conversion Requirements. During a transition period of indeterminate length, the DoD will operate in a mixed legacy 80 record position/DLMS environment. DAAS will provide conversion processing between the standard legacy formats and DLMS to support this transition. Legacy format to DLMS conversion tables have been developed that facilitate the conversion of data from legacy format to DLMS, and vice-versa. The conversion tables enable logistics business to be conducted in both environments. To accomplish the conversion, DLA Transaction Services uses a commercial “any to any” mapping software package that supports a robust conversion. The Components are able to use their current format, either legacy format or DLMS, to initiate a transaction. DLA Transaction Services incorporates and maintains a profile of each organization and specifies whether the organization is operating in legacy format, DLMS, or both. The legacy format data elements are retained in DLMS to support the conversion. However, DLMS enhanced data may not be supported in legacy or transitioning systems, so coordination with DLA Logistics Management Standards Office is required prior to implementation of DLMS enhancements.

C3. CHAPTER 3

CHANGE MANAGEMENT

C3.1. GENERAL INFORMATION

C3.1.1. Guidelines Description. This chapter describes the guidelines for maintaining the Defense Logistics Management Standards (DLMS), DLMS Implementation Conventions (IC), and procedures. The change management process ensures the proper documentation of all proposed or approved changes to the DLMS. These guidelines also apply to the legacy 80 record position based systems changes (hereafter referred to as “legacy systems or formats”) and changes employing Electronic Business (EB) methods other than Electronic Data Interchange (EDI) that are chosen by DoD Components for use within their logistics business processes and systems. The DLMS will support emerging EB technologies such as: data sharing, automatic identification technology, electronic malls, web-based technology, electronic funds transfer, etc.

C3.1.2. Structured Collaboration Model. The DLMS change management process uses a structured collaboration model as a managed transformation process. On the input side, the Proposed DLMS Change (PDC) process factors in relevant DoD level policy guidance, DoD Component business requirements, relevant subject matter experts and DLA Transaction Services subject matter and technical expertise. The output side of the structured collaboration model, the Approved DLMS Change (ADC) provides new or revised business rules, business objects, metadata, and functional requirements to guide Component implementation of the ADC.

C3.2. MAINTAINING DLMS IMPLEMENTATION CONVENTIONS. DLA Logistics Management Standards Office coordinates the implementation of the DLMS and maintains control of related standards, DLMS ICs (also known as DLMS Supplements), procedures, and common support packages (e.g., versions of the American National Standards Institute, Accredited Standards Committee (ANSI ASC) X12 standards, extensible markup language (XML) based standards), participates in the standards-setting process, and ensures compliance with approved EDI standards. A DLMS IC is a composite guideline that documents a specific business interpretation of an ASC X12 transaction set standard. The DLMS IC defines the structure, content, and DLMS business rules for a specific business interpretation; it maps application data requirements into specific data fields within the X12 transaction set and establishes parameters for its business usage.

C3.2.1. Change Management

C3.2.1.1. Scope. DLMS change management is the approval/disapproval and prioritization of changes to DLMS, achieved through DoD Component coordination and consensus, thereby promoting an integrated approach to standardization and modernization of DoD logistics business processes. Control of changes includes documentation, justification, systematic evaluation, coordination, release, implementation, and publication.

C3.2.1.2. Purpose. The change management process ensures that those involved in the change process define and evaluate the full impact of a change based on at least the following considerations before making a decision to approve and implement the change:

C3.2.1.2.1. Functional requirements

C3.2.1.2.2. Change justification

C3.2.1.2.3. Quality assurance

C3.2.1.2.4. Operational readiness

C3.2.1.2.5. Systems interfaces

C3.2.1.2.6. Technical reviews

C3.2.1.2.7. Estimated impact on total life-cycle costs.

C3.2.2. Reporting Requirements

C3.2.2.1. Status Reports. DoD 4140.1-R, "DoD Supply Chain Materiel Management Regulation", May 23, 2003 directs DoD Components to provide the DLMS PRC Chair with the implementation status of approved changes. Report Control Symbol (RCS) DD-A&T(AR)1419 applies for this requirement. Begin reporting the first period following publication of the approved DLMS change. Stop reporting after identifying the approved change when the change is fully implemented. Cite the DoD Component or participating external organization implementing publication(s) and change number(s), and identify the operating system or subsystem involved. Provide a copy of the publication change to the DLMS PRC Chair. Send reports to the DLMS PRC Chair.

C3.2.2.2. Status Reviews. DLA Logistics Management Standards Office will maintain status of DLMS changes. The report will show the title and change number, associated dates, and current status for each DoD Component. The status review is updated continuously and is available from the DLA Logistics Management Standards Website www.dla.mil/j-6/dlmso/eLibrary/changes/processchanges.asp

C3.3. DLMS VERSION CONTROL

C3.3.1. Version Numbering. The official ANSI ASC X12 version of a standard transaction set (e.g., 511) is a key ingredient in the successful application of DLMS ICs. The version number is transmitted as a code in the functional group header within an interchange envelope. The version is transmitted as a three-position code. Each major ANSI ASC X12 standards revision involving the public review process that leads to a publication of a set of American National Standards causes the version number to increase by one. The predominate DLMS version is 004. The next three positions designate the release level within each version, e.g., 010. The release number of each version is identified in the second position of the release level. The initial ASC X12 release is release one (010). The predominant DLMS releases are 010 and 030. Both version and release numbers are

commonly referred to as a version/release, e.g., ANSI ASC X12 version/release 004010 ("4010").

C3.3.2. Multiple DLMS Versions. DLMS may support multiple ICs based on different versions/releases of the X12 standard dependent upon trading partner requirements. In addition, DLMS may support multiple standards of DLMS ICs within each ANSI ASC X12 version/release. Currently some transactions such as the DLMS 947I support multiple standards; the newer (004030) version/release is used for new implementations, while enabling existing implementations to remain at an older version/release (004010), until they can be modified to the newer version/release. Older version/release DLMS ICs may not have all the functionality of the newer one, so Component AIS should plan to modernize to the newer version release (4030). Once all Component AIS have modernized to the newer version release, DLA Logistics Management Standards Office will cancel the old DLMS IC via a formally staffed DLMS change.

C3.4. DLMS CHANGE PROCESS

C3.4.1. New and Revised Requirements. A new requirement, design modification, system deficiency, change in DoD logistics policy, information exchange, or an operational emergency can all trigger a PDC. Examples of significant changes include those that create substantial life cycle cost savings, correct deficiencies, or make significant effectiveness change(s) in operational or logistics support requirements. Proposal submission requires inclusion of detailed procedures, and the text of revisions for the DLM 4000.25 series of manuals. Other changes include, but are not limited to: revisions to formats, codes, procedures; or changes requiring interface with other systems, retail level systems, or Federal Agencies. For all DLMS changes, two key elements are defining the problem, process gap or process improvement desired, and socializing the proposed change within the Component subject matter experts and putting forward a recommendation from a set of alternative solutions.[3] To aid in ensuring the successful and timely processing of a PDC, the submitter should accomplish the following actions prior to its formal submission:

C3.4.1.1. Issue Identification: Determine the problem, process gap, or process improvement that is desired. The clear and complete articulation of the problem, process gap, or process improvement (including available problem examples and/or illustrative data) aids in the understanding by all parties involved. It also aids in the formulation of solution alternatives, preliminary internal Component socialization, and will be essential in the preparation of the draft PDC.

C3.4.1.2. Socialization within the Component: Coordinate with subject matter experts of the issue and postulate alternative solutions. A thorough preliminary vetting of the problem statement and alternatives by the Component subject matter experts provides an internal validation of the problem statement, ensures that all viable alternatives have been developed and that there are no unforeseen/undocumented detrimental impacts to other processes and process owners.

[3] DLMS Training slides Module 6, www.dla.mil/j-6/dlmso/eapplications/training/dlmsmodules/Module6-ProposedDLMSChanges.pptx

C3.4.1.3. Initial heads-up: contact with Component PRC representative and DLMS PRC chairperson. Early contact with the Component PRC representative and PRC Chair allows for a determination if similar solutions have been submitted and rejected and why, other applicable solutions from other Components that have either been adopted or are proposed, being worked, and are applicable to the stated problem resolution.

C3.4.1.4. Strict adherence to DLM 4000.25 PDC instructions: The adherence to the instructions for drafting PDCs is the first item of review by the applicable DLMS PRC Chair. Following the instructions aids the overall process by eliminating rejects back to the submitter for administrative errors, lack of clarity, omissions, and incompleteness.

C3.4.1.5. Provide advance unofficial draft copy to DLMS PRC chairperson: Providing an advance copy allows the PRC Chair to do a quick review and provide feedback to the submitter on any administrative errors, lack of clarity, omissions, and incompleteness that should be corrected prior to the submitters staffing the draft proposal inside their Component.

C3.4.1.6. Internal Component staffing, review, finalization: Prior to draft PDC submission to the DLMS PRC Chair, the final draft proposal should be fully vetted within the Component.

C3.4.1.7. Submit PDC to Component PRC Representative: While anyone can initiate a PDC, the DLA Logistics Management Standards Office only accepts draft PDC submissions from the designated Component representative to the PRC. Once submitted to the DLA Logistics Management Standards Office by the Component PRC representative, the draft proposal is treated as that Component's official position and all internal Component staffing and vetting is presumed to have occurred.

C3.4.2. Information Exchanges. PDCs will also be used to effect new or revised information exchanges. Information exchange is defined as the process of transferring data between two or more applications. The DLMS ICs prescribe the transfer of data among applications when transactional business events are communicated. Strict adherence to the notes contained in the DLMS ICs is critical to the successful communication among applications. The three major categories of notes contained in the DLMS ICs are:

C3.4.2.1 ANSI ASC X12 Standard Syntax and Semantic Notes: These notes must be universally adhered to by all users of the X12 transaction set.

C3.4.2.2 Federal Notes: These notes identify the business rules and usage constraints to which all Federal Government users of the X12 transaction set must adhere in addition to the ANSI ASC X12 Standard Syntax and Semantic Notes.

C3.4.2.3 DLMS Notes: These notes identify the business rules and usage constraints to which all DLMS implementing trading partner users of the DLMS IC must adhere, in addition to the ANSI ASC X12 Standard Syntax and Semantic Notes and Federal Notes.

C3.4.3. Submission. PDCs must be submitted to DLA Logistics Management Standards Office through the applicable DoD Component PRC member. DLA Logistics Management Standards Office may also accept proposed changes submitted through joint Service/Agency process action teams or the equivalent sponsoring organization.

C3.4.4. Procedures. Appendix 9 is a flow chart that illustrates the process to submit a PDC and the processing of the PDC by the applicable DLMS PRC through the issuance of an ADC. In summary, processing a change, waiver, or deviation to DLMS involves the following steps and the normal associated timeframes (NOTE: The PRC Chair may accelerate the change process from the timeframes indicated and may, when appropriate, extend them):

C3.4.4.1. Step 1. The PDC sponsor (see C3.4.3) submits a PDC (or waiver or deviation request) in the format available at www.dla.mil/j-6/dlmso/eLibrary/Changes/processchanges.asp, to the Director, DLA Logistics Management Standards Office, or appropriate PRC Chair. The instructions are included at the end of the change proposal template. When more than one committee is involved, for example, supply, finance, or pipeline measurement, the PRC Chairs involved will determine the lead PRC and coordination required.

C3.4.4.2. Step 2. Within 10 calendar days of receipt of proposal, the PRC Chair evaluates the proposal and determines appropriate action, (e.g., return for additional information, work with PDC sponsor to clarify/amend, accept for staffing). The PRC Chair will verify that the submitter adequately addresses the following items in the PDC:

- Identify impact to current business processes
- Identify organizations and systems and respective roles
- Identify new business procedures and associated business rules
- Define new DLMS data elements and/or changes to existing ones
- Define new information exchanges and/or changes to existing ones
- Identify the required implementation timelines by impacted systems
- Identify any impact to existing DoD policy.

C3.4.4.3. Step 3. If the proposal is accepted for staffing, the PRC Chair assigns a PDC number and updates the draft PDC to ensure the following items are included, as applicable:

- Insert required changes to DLM 4000.25 series of manuals
- Insert required changes to DLMS ICs
- Assess interoperability impact to DoD global supply chain
- Identify any additional DoD impacts
- Identify and coordinate with OSD on possible DoD policy impacts
- Optimize solution for reuse, effectiveness and efficiency

C3.4.4.4. Step 4. Once the submitting organization and the DLMS PRC Chair are in agreement with the PDC content, the PDC will be released to the DoD Component PRC members for coordination. The PRC Chair also determines if submission to external standards bodies such as ANSI ASC X12 is required. If the PDC includes a change to a

DLMS IC that requires review and approval by the external standards bodies, the PRC Chair will forward the IC change(s) and/or related data maintenance request(s) to those groups/committees for processing after the proposal is approved or in conjunction with staffing, as appropriate.

C3.4.4.5. Step 5. The PRC members provide the PRC Chair a fully coordinated DoD Component or participating Agency response, including a proposed implementation strategy including the desired/required implementation timeline when available, by the due date provided in the proposal, normally within 30 days of the date on the PDC. If the Component/Agency response is a non-concur, it is incumbent on the PRC representative to explain the issue and provide a proposed resolution to the DLMS PRC Chair.

C3.4.4.6. Step 6. The PRC Chair may initiate a follow up for non-response five calendar days after the due date. Additional follow up may be elevated as appropriate.

C3.4.4.7. Step 7. The PRC Chair will evaluate all comments on the PDC within 10 calendar days from receipt of all outstanding comments or in conjunction with the next scheduled PRC meeting. If necessary, the PRC will resolve comments and/or disagreement and establish an implementation date. If the Component comments cannot be resolved by the PRC membership or policy issues exist, unresolved issues may be elevated to the applicable OSD proponent for resolution. If the PRC approves the PDC, the PRC Chair will establish an implementation date based on consensus. If the PDC is disapproved by the PRC, the sponsor is notified of the disapproval.

C3.4.4.8. Step 8. Based on PDC responses, and the interface requirements associated with the specific change, the PRC Chair will establish a joint implementation date, or when appropriate, either authorize DoD Components and participating organizations to implement on a staggered schedule or authorize a limited implementation by impacted Components. This information will be included in the ADC. PDCs that begin with the 1000 number series will retain that same number in the ADCs.

C3.4.4.8.1. When an implementation date is not known/provided as part of the PDC adjudication process, the PRC Chair will include in the ADC a requirement for the DoD Components and participating organizations to actively monitor for implementation of the ADC and provide implementation dates when they become available.

C3.4.4.8.2. When one Component provides an extended implementation date, which would delay implementation by the other Components, the PRC Chair will attempt to resolve the issue with the appropriate Component or seek a methodology that will permit a phased or staggered implementation. When a satisfactory implementation date cannot be jointly agreed upon, the PRC Chair may refer the matter to the applicable OSD proponent for resolution.

C3.4.4.9. Step 9. The DLMS PRC Chair will prepare the ADC by updating the PDC content based on adjudication of Component responses to the PDC. This includes the following:

- Formalize changes to DLM 4000.25 series of manuals.

- Formalize changes to DLMS ICs.
- Create SEF and XSD files in support of DLMS IC changes.

C3.4.4.10. Step 10. When approved, all approved DLMS changes (ADCs) are formally incorporated into the DLMS Manual and posted on the DLA Logistics Management Standards Website www.dla.mil/j-6/dlmso/eLibrary/changes/processchanges.asp. Approved DLMS changes are also posted with the appropriate DLMS IC at www.dla.mil/j-6/dlmso/elibrary/TransFormats/140_997.asp.

C3.4.5. Post-Approved DLMS Change (ADC) Issuance Component Implementation Responsibilities.

C3.4.5.1. Review ADC and determine affected Component organizations and systems.

C3.4.5.2. Distribute ADC to affected organizations.

C3.4.5.3. Affected activities prepare system change requests (SCRs) for system developers/integrators.

C3.4.5.4. Affected system developers/integrators develop rough order of magnitude (ROM) estimates of resources and schedules required to implement ADC.

C3.4.5.5. Submit SCRs/ROMs to applicable system configuration management boards for prioritization, resourcing and scheduling.

C3.4.5.6. Perform system lifecycle release management tasks of documentation, coding, testing, and release for affected systems.

C3.4.5.7. Make necessary change to affected Component publications.

C3.4.5.8. Conduct necessary training for affected Component personnel.

C3.4.5.9. Provide implementation status updates to the PRC Chair at any time, to include full and partial implementation or required deviation. When Components are unable to meet established implementation dates, prior coordination with the PRC Chair is required. Additionally, the PRC members must provide the PRC Chair a semiannual status report on implementation of approved changes (RCS DD-A&T(Q&SA)1419 applies) per the guidance in DoD 4140.1-R. The semiannual reporting of implementation status is due June 15 and December 15.

C5. CHAPTER 5

DLMS DATA MANAGEMENT

C5.1. PURPOSE. The chapter describes the critical factors in developing, managing, and enabling information sharing through the use of Defense Logistics Management Standards (DLMS) data management practices. Details about data management concepts, procedures, and tools are covered in subsequent chapters.

C5.2. GUIDING PRINCIPLES

C5.2.1. Compliance. DLMS conform to DoD policies for data management policies as noted in the references identified in Chapter 1 (ref., C1.3) and Chapter 2 (ref., C2.3). DLMS also use standards from voluntary consensus standards organizations such as Accredited Standards Committee (ASC) X12. DLMS data management helps ensure compliance with DoD and voluntary consensus standards.

C5.2.2. Interoperability. DLMS data management supports data element coordination to provide interoperability among logistics trading partners. The use of DLMS procedures and metadata repository (i.e. Logistics Data Resource Management System (LOGDRMS)) simplifies and enables understanding and accessibility of data elements and their syntactical representations.

C5.2.3. Data Quality. Data quality deficiency is often due to inconsistent or inaccurate data usage, or conflicting business rules or business processes. The DLA Logistics Management Standards Office coordinates data issues under the governance of the Process Review Committees (PRC). Revisions to the DLMS procedures and component systems are necessary to harmonize data.

C5.2.4. Revisions to Data Requirements. Revisions to the DLMS and data requirements are proposed and incorporated under the PRC forum for the respective logistics functional area. Submit all proposed change requests through the designated DoD Component PRC representatives. More information on the DLMS PRC process can be found in Volume 1, Chapter 3 of this manual on the DLMS Website www.dla.mil/j-6/dlmso/eLibrary/changes/processchanges.asp.

C5.3. GOVERNANCE

C5.3.1. Approach

C5.3.1.1. The process for adding, modifying, and deleting DLMS data elements is part of the Proposed DLMS Change (PDC)/Approved DLMS Change (ADC) process. The DLMS PDC and ADC templates provide sections to identify changes to DLMS data elements. Information on data element proposals should be included in relevant PDC/ADC sections as appropriate, but common practice is to include data element changes in the description of

change, the impacts, explanations, and any descriptions of DLMS IC changes. The PDC/ADC procedures are in Volume 1 Chapter 3 of this manual and at www.dla.mil/j-6/dlmso/eLibrary/Changes/processchanges.asp

C5.3.1.2. Changes to data representations in DLMS Implementation Conventions are made when the ADC is published.

C5.3.1.3. Approved data element changes are represented in LOGDRMS upon the implementation date identified in the ADC. If no implementation date is explicitly designated, LOGDRMS will be updated concurrent with the date of the ADC.

C5.3.2. Responsibilities

C5.3.2.1. Components. Components contribute to the maintenance of DLMS by developing and commenting on PDCs and ADCs.

C5.3.2.2. DLA Logistics Management Standards Office. The DLA Logistics Management Standards Office is the DoD Executive Agent for Logistics Data Interchange and is responsible for change management concerns and technical issues related to the implementation of DLMS Data Elements and Information Exchanges as defined by DLM 4000.25. The DLA Logistics Management Standards Office oversees LOGDRMS for maintaining and presenting DLMS data elements. Prior to staffing a PDC, and again with the ADC, the relevant PRC Chair coordinates content and quality review of additions and modifications to data elements among DLA Logistics Management Standards Office staff.

C5.4. METADATA MANAGEMENT. Metadata are the defining characteristics about data elements of a database or transaction. However, DLMS managed metadata expands beyond the simple characteristics of data elements or a transaction. It also includes, associated code values, business rules, transaction formats, and the repository that hold the information. These data categories reflect distinctions between generic and context-specific definitions as well as different representations when applied within syntactical standards, or how they're used in a particular business transaction. Understanding the relationship among the data categories and the governing process will improve data quality through the use of consistent data assets. The details of these categories are described in the subsequent chapters.

Table C5.T1. DLMS Metadata Categories

Category	Explanation
Core Data Element	The most general definition of a data element that forms the basis of more specific DLMS data element (e.g., DoD activity address code (DoDAAC))
DLMS Data Element and associated business rules/code values	The specific DLMS data element coordinated for use in the logistics community. It may be identical to the core data element, or a business context-specific version of a core data element to recognize different contextual uses of a core data element. (e.g., Bill-to DoDAAC). Some DLMS data elements have explicit business rules and/or code values that specify their usage in a business transaction
Accredited Standards Committee (ASC) X12 Representation	The ASC X12 syntax structures to which DLMS data elements are mapped in DLMS ICs. (e.g., code BT, Bill-To-Party, qualifies the X12 entity to which the DLMS element Bill-to DoDAAC is mapped)

C5.4.1. The following information is recorded in LOGDRMS. LOGDRMS is a publically accessible website at www.dla.mil/j-6/dlmso/eApplications/LogDataAdmin/dlmsdicdir.asp.

C5.4.1.1 Metadata for each data element, including a definition, minimum and maximum characters, data type, and authoritative source(s)

C5.4.1.2 Code values and special business rules

C5.4.1.3 DLMS data elements and their relationships to X12 syntax representations

C5.4.1.4 Mapping of DLMS data elements and code values in the DLMS transactions

C5.4.2. Developing DLMS Data Requirements: data elements, business rules, and code values.

C5.4.2.1. Data requirements identified during PDC development (Volume 1, Chapter 3), are compared against the DLMS elements recorded in LOGDRMS to check if the element is already supported, needs to be modified, or needs to be added. While preferable for DLMS data elements to use terms commonly used by subject matter experts, reuse of an existing DLMS element with the same semantic meaning may take precedence in the interest of interoperability. Conversely, DLMS data elements may be adjusted from common industry usage to distinguish concepts that are almost the same but should not be confused as synonyms. These same concepts are used to develop code values and business rules.

C5.4.2.2. The creation of a core data element occurs when an Approved DLMS ADC adds a new DLMS data element that does not represent a context-specific version of an

existing core element. The core element name and definition are derived from the approved DLMS element and are to be made as generic as possible. It is possible that the Core element may duplicate the DLMS element if the DLMS element is generic.

C5.4.2.3. When ADCs include mappings of DLMS elements to X12 structures in the DLMS ICs, LOGDRMS is updated to reflect the use of X12 data elements.

C5.5. COMMUNITIES OF INTERESTS (COI). The orchestration of logistics data management requires continuous dialog and coordination with the other DoD Components, Federal agencies, and Commercial communities to ensure shared data is visible, understandable, and interoperable. The DLA Logistics Management Standards Office staff participates in various COIs focused on enterprise data standards and interoperability issues.

C5.5.1 DoD Metadata Registry (MDR). Directive DoD 8320.02, "Data Sharing in a Net-Centric Department of Defense", April 23, 2007, requires that Data assets must be made understandable and discoverable by publishing associated semantic and structural metadata in a federated MDR. DLA Logistics Management Standards Office is the manager of the Logistics namespace in the MDR. When DLMS ICs are updated by ADCs, an XML schema is generated from the DLMS IC as an alternative syntactical approach. These XML schemas are posted to the MDR on a regular basis.

C5.5.2. Country Code Working Group (CCWG). DLA Logistics Management Standards Office is a voting member of the CCWG. It was established to create and maintain the configuration management process for the maintenance of the Geopolitical Entities, Names, and Codes (GENC) Standard for use by the U.S. Federal Government and the Department of Defense (DoD). GENC is the U.S. Government profile of ISO 3166, modified only where necessary to comply with U.S. law and U.S. Government recognition policy. The complete set of entries in the GENC Standard may be browsed and searched from the GENC Discovery page at earth-info.nga.mil/gns/html/gazetteers2.html. Federal and DoD Component systems, including MAPAD and DoDAAD must be in compliance with the GENC Standard.

C5.5.3. Business Enterprise Architecture (BEA). In 2005, the National Defense Authorization Act mandated the establishment and use of a BEA: An organizational system designed to provide overarching governance across all business systems, functions, and activities for 15 End-to-End (E2E) business processes within the DoD. The entire BEA content is available on the BEA website. BEA compliance is one of the requirements in the DoD Investment Review Board (IRB) process, which certifies funding for Defense Business Systems that have an expected total cost of greater than $1 million. The IRB process is available on the IRB website. The DLA Logistics Management Standards Office has significant interest in the BEA E2E business processes such as: "Order to Cash", "Procure to Pay", "Plan to Stock", and "Acquire to Retire". Given that all DoD trading partners must comply with BEA, it is imperative that the relevant BEA content is valid and interoperable with DLMS. With over 60 published DLMS transactions (e.g., Requisition, Advance Shipment Notice), including business processes, information exchanges, business rules and data requirements; DLMS continue to contribute to the BEA development process by incorporating the logistics business processes, business rules, and data requirements into the relevant E2E processes, Standard Financial Information Structure, and Procurement Data Standards.

DLMS policies and procedures are also included in the BEA Laws, Regulations, and Policies and they are linked as constraints to the various business processes in the architecture models. In additional to the BEA and DLMS compliance, the Components have additional processes, business rules and data for managing customers within their respective business systems.

C6. CHAPTER 6

STANDARDS AND CONVENTIONS

C6.1. PURPOSE. The purpose of this chapter is to assist the reader in understanding the basic concepts and semantics of the standards involved in processing logistics transactions: Defense Logistics Standard Systems (DLSS); American National Standards Institute (ANSI) Accredited Standards Committee (ASC) X12 (hereafter referred to as ASC X12) Standards; and Extensible Markup Language (XML) standards.

C6.2. DEFENSE LOGISTICS STANDARD SYSTEMS/MILITARY STANDARD SYSTEMS. DLSS are commonly referred to as Military Standard Systems (MILS) and are legacy 80 record position, fixed-length, DoD-unique standards for DoD logistics transactions.

C6.2.1. Developed in the 1960s, each DoD logistics transaction was based on the 80-record position (fixed-length) punch card. Each record position (column) on the punch card contains a datum as defined in the requirements of that particular transaction. Figure C6.F1 is an example of two data items, their record positions and their associated values:

Figure C6.F1. MILS Record Position Example

Record Position	Name	Description
1-3	Document Identifier Code (DIC)	A three-position code that indicates the purpose and use of the document
An example of a DIC is A0A, which stands for domestic shipment/with National Stock Number (NSN)/North Atlantic Treaty Organization (NATO) stock number		
4-6	Routing Identifier Code (RIC)	A three-position code used to represent the recipient of the document
An example of a RIC is SMS, which identifies Defense Logistics Agency (DLA)		

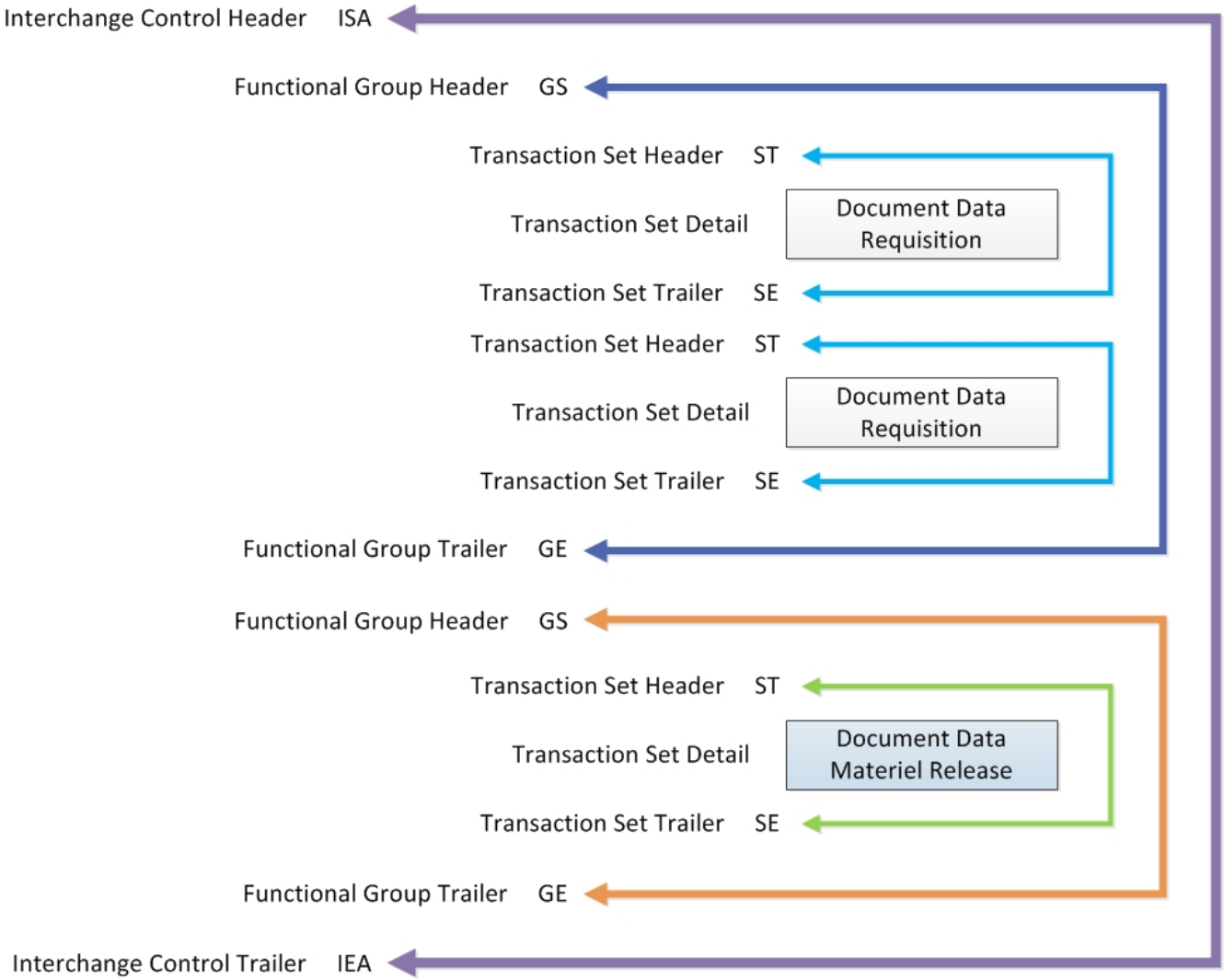
C6.2.2. Since their inception, the DLSS legacy formats have provided the backbone of cross-functional interoperability between DoD Components and their commercial trading partners. However, the rigid fixed-length formats are functionally constrained, technologically obsolete, and unable to support current DoD business goals.

C6.3. ASC X12 STANDARDS. In 2000 the Department of Defense issued a directive that mandated the use of Electronic Data Interchange (EDI) Standards for the exchange of DoD logistics business transactions (DoDD 8190.1 " DoD Logistics Use of Electronic Data Interchange (EDI) Standards", May 5, 2000). This means that logistics transactions must migrate from DLSS legacy standards to the DLMS. DoD adopted the ASC X12 EDI standards as the basis for the DLMS.

The ASC X12 standards define commonly used business transactions in a formal, structured manner called transaction sets. The structure of the transaction set comprises specific syntax rules for the EDI constructs. The standard defines the data elements, codes, and segments within each transaction set. Most importantly, it also defines specific rules and formats for the content of data within the data elements.

C6.4. STRUCTURE OF EDI TRANSMISSION. To allow different types of transaction sets to be transmitted from one party to another in the same transmission, a hierarchical structure of headers and trailers allows the data to be segregated logically for easy interpretation by the transmitter and receiver.

Figure C6.F2. EDI structure Example[4]



[4] Each layer of the EDI enveloping structure and transaction set detail is described below, beginning with the outer layer (Interchange Control Header/Trailer) and moving to the innermost layer (Transaction Set Details).

C6.4.1. Interchange Control Header (ISA) and Trailer (IEA) Segments. Interchange Control consists of one or more Functional Groups enclosed in an envelope defined by an ISA Interchange Control Header segment and ending with an IEA Interchange Control Trailer segment. Details of the envelope:

- Contains the structured mailbox address of the sender and the receiver.
- Contains control numbers and counts of the different types of functional groups inside.
- Contains a time/date stamp.
- Specifies the format and version of the interchange envelopes.
- Specifies the characters used for data element delimiters (separators) and segment terminators.

C6.4.2. Functional Group Header (GS) and Trailer (GE) Segments. A Functional Group is a group of one or more related Transaction Sets within an EDI transmission. Functional Groups start with a GS Functional Group Header segment and end with a GE Functional Group Trailer segment. The details in the Functional Group GS/GE envelope are often used to route the group's transaction sets to the target environment. Functional Group detail:

- Contains a functional group ID (e.g., RN (511), MD (527)).
- Contains transaction set counts and functional group control numbers.
- Contains a time/date stamp of when the group was generated.
- Provides format, version, and release specifications of the transactions within the group.

C6.4.3. Transaction Set Header (ST) and Trailer (SE) Segments. The Transaction Set Header and Trailer are used to uniquely identify the transaction set. The transaction set begins with an ST Transaction Set Header segment and ends with an SE Transaction Set Trailer segment.

C6.4.3.1. Transaction Set Header. The Transaction Set Identifier Code (ST01) is the first data element of the transaction set header segment. It is used by the translation routine of the interchange partners to select the appropriate transaction set definition (e.g., 511 selects the Requisition transaction set). The Transaction Set Control Number (ST02) uniquely identifies an instance of the transaction set and is assigned by the originator of a transaction set. The control number in ST02 must match the control number in SE02. Some DLMS transactions use the ASC X12 version release 4030 which contains an additional data element in the ST Segment; the Implementation Convention Reference (ST03) uniquely identifies the DLMS IC used in the transaction.

C6.4.3.2. Transaction Set Trailer. The purpose of the transaction set trailer is to indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments). The number of the included segments (SE01) is used to indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segment). The Transaction Control Number (SE02) must match the one in ST02 to ensure that entire transaction set was received.

Figure C6.F3. Header/Footer Example: ST and SE

```
ST* <...data, separated by *...>
<multiple transaction loops and segments>
SE* <...data, separated by *...>
ST* <...data, separated by *...>
<multiple transaction loops and segments>
SE* <...data, separated by *...>
```

C6.4.4. Transaction Set Detail (Data) Segments. A Transaction Set is a group of data segments, as defined by the X12 Standard, conveyed between trading partners. The information, in the form of a transaction set, is generally patterned after a conventional paper document, such as a requisition or invoice.

C6.4.4.1. A Transaction Set consists of a number and name (e.g., 511 Requisition), purpose, Functional Group ID, table listing the included segments, their position numbers, requirement designation, maximum usage, and loop repeat counts.

C6.4.4.2. The Transaction Set Detail comprises data elements and data segments specific to the business (requisition) transaction. Examples of data in the detail section are: identity of ordering activity, item ordered, quantity, order priority, delivery point, and identity of paying activity.

C6.4.4.3. Data Element. The data element is the smallest named unit of information in the standard. A simple data element is equivalent to a field in a data dictionary. It has a name, a data element number, a brief description, a data type, and a minimum and maximum length. When a group of two or more simple data elements are linked together to form a single data element, they are referred to as a composite data structure.

C6.4.4.3.1. Data Element Types. There are seven types of data elements identified in Table C6.T1.

Table C6.T1. Data Element Types

Data Element Type	Data Element Type Description
AN – Alphanumeric String	Sequence of letters, numbers, spaces, and/or special characters. The contents are left-justified and trailing spaces should be suppressed.

Table C6.T1. Data Element Types

Data Element Type	Data Element Type Description
B – Binary	Any sequence of octets ranging in value from binary 0000000 to 1111111. This data element type has no defined maximum length. Actual length is specified by the immediately preceding data element. The binary data element type may only exist in the Binary segment and is not used in the DLMS at this time.
DT – Date	Used to express the standard date in (CC)YYMMDD format in which CC is the century, YY is the year, MM is the month (01 to 12), and DD is the day of the month (01 to 31). DLMS require the use of century to satisfy Y2K compliance.
ID – Identifier	Contains a unique value from a predefined list of values maintained by ASC X12, the DoD, or other responsible organization referenced by the data element dictionary. All code lists employed under DLMS, including those maintained by ASC X12 are available via LOGDRMS. The contents are left-justified and trailing spaces should be suppressed. Identifier type data elements are frequently used as qualifiers to identify by code the type of information contained in an associated data element. For example, the identifier type data element, Product/Service ID Qualifier, may be transmitted with a value of FS to indicate that the value contained in the associated data element Product/Service ID is a national stock number. In this instance, the list of valid identifier codes is maintained by X12. The conventions normally specify which of these values are permissible entries for the specific use under DLMS.
Nn – Numeric	Represented by one or more digits with an optional leading sign representing a value in the normal base of 10. The value of a numeric data element includes an implied decimal point. It is used when the position of the decimal point within the data is permanently fixed and is not to be transmitted with the data. The symbol for this data element type is Nn where “N” indicates that it is numeric and “n” indicates the number of decimal positions to the right of the implied decimal point. If no decimal positions are allowed, the symbol is written as N or N0. A leading minus sign (-) is used to express negative values. Absence of a sign indicates positive value. Leading zeros should be suppressed unless necessary to satisfy a minimum length requirement. The length of a numeric type data element does not include the optional minus sign. For example, where the numeric type is N2 (indicating an implied decimal placement two positions from the right), the value -123.4 would be transmitted as -12340. The length of the value within the data stream is five.
R – Decimal Numeric	Contains an explicit decimal point and is used for numeric values that have a varying number of decimal positions. The decimal point is always carried in the transmission unless it occurs at the right end of the value. A leading minus sign (-) is used to express negative values. Absence of a sign indicates positive value. Leading zeros should be suppressed unless necessary to satisfy a minimum length requirement. Trailing zeros following the decimal point should be suppressed unless used to express precision. Use of commas within the numeric value is prohibited. The length of a numeric type data element does not include the optional minus sign or the decimal point. For example, the numeric value - 123.45 would be transmitted as -123.45. The length of this entry is five.
TM – Time	Used to express the time in HHMMSSdd format in which HH is the hour for a 24-hour clock (00 to 23), MM is the minute (00 to 59), SS is the second (00 to 59) and dd is the decimal seconds. Seconds and decimal second are optional. Trailing zeros in decimal seconds should be suppressed unless necessary to satisfy a minimum length requirement or unless necessary to indicate precision.

C6.4.4.3.2. Data Element Length. Each data element is assigned a minimum and maximum length, which may be the same. The length of the data element value is the number of character positions used except as noted for numeric, decimal, and binary elements. A data element is of variable length unless the minimum and maximum lengths are equal, in which case it is of fixed length. The length attribute of a data element is expressed as minimum length / maximum length, e.g., 2/30.

C6.4.4.4. Data Segment. The data segment comprises simple data elements and/or composite data structure(s) and separators, as an intermediate unit of information in a transaction set. Each data segment has a unique segment ID and is used to convey a grouping of functionally-related user information.

C6.4.4.4.1. Condition Designator. The condition designator (or requirement designator) is used to define the circumstances under which a data element is required to be present or absent in a particular usage. These conditions are of three basic types: mandatory, optional, and conditional. Under DLMS, optional and conditional designations can be further defined as either recommended or required. Condition designators shown in Table C6.T2 are identified by the symbol as specified in parentheses.

Table C6.T2. Condition Designators

Condition Designator	Condition Designator Definition
Mandatory (M)	The designation of mandatory is absolute in the sense that there is no dependency on other data elements within the segment or composite data structure. A mandatory data element must appear in the segment.
Optional (O)	The designation of optional means that there is no syntactic requirement for the presence of the data element within the segment or composite data structure. Optional data elements may be included or omitted based upon instructions provided in the DLMS ICs or at the discretion of the transmitting activity (as applicable).
Conditional (X)	A designation of conditional defines a special relationship between two or more data elements within a segment or composite data structure. Relational conditions are based upon the presence of one of those data elements. The specific relationship is defined in a syntax note. The first character of the syntax note identifies one of the following conditions: (1) Paired (P). If any specified data element is present, then all of the specified data elements must be present. (2) Required (R). At least one of the specified data elements must be present. (3) Exclusion (E). Not more than one of the specified data elements may be used. (4) Conditional (C). If the specified data element is present, then all other specified data elements must be present. However, any or all of the data elements not specified as the first in the condition may appear when the first is not present. (5) List Conditional (L). If the first specified data element is present, then at least one of the remaining specified data elements must be present. However, any or all of the data elements not specified as the first may appear when the first is not present.

C6.4.4.4.2. Data Segment Loops. Data Segment Loops are groups of two or more data segments that represent a block of related information in a Transaction Set. Different loops may be nested within each other, and loops may repeat up to the maximum loop occurrences specified within the Transaction Set. In some cases, it may be specified as having an unlimited number of occurrences (noted as “>1”). Loops can be Unbounded or Bounded as defined in the X12 Standard.

C6.4.4.4.2.1. Unbounded. An Unbounded loop starts with a specific segment, and all of the other segments in the loop may be considered children of that segment. To establish the iteration of a loop, the first data segment in the loop must appear once and only once in each iteration. Loops may have a specified maximum number of repetitions. A specified sequence of segments is in the loop. Loops themselves are optional or mandatory. The requirement designator of the beginning segment of a loop indicates whether at least one occurrence of the loop is required. Each appearance of the beginning segment defines a new occurrence of the loop. The requirement designator of any segment within the loop after the beginning segment applies to that segment for each occurrence of the loop. If there is a mandatory requirement designator for any data segment within the loop after the beginning segment, that data segment is mandatory for each occurrence of the loop. If the loop is optional, the mandatory segment only occurs if the loop occurs.

C6.4.4.4.2.2. Bounded. The characteristics of unbounded loops described previously also apply to bounded loops. In addition, bounded loops require a Loop Start Segment (LS) to appear before the first occurrence of the loop and a Loop End Segment (LE) to appear after the last occurrence of the loop. If the loop does not occur, the LS and LE segments are suppressed.

C6.4.4.5. EDI fields and records are separated by delimiter characters. The delimiter for a field and the delimiter for a record are set externally by the Interchange Control Header (ISA) segment. This means, the EDI parser may not know what the delimiters will be until it has begun to parse the file. EDI handles this problem by making the first segment, ISA, fixed length and defining the delimiters in the ISA segment of the EDI interchange. In an actual interchange, ASCII Hexadecimal characters are used, a graphic representation is used for print examples.

C6.4.4.5.1. Delimiters. In ASC X12 EDI interchanges, there are three delimiters. The delimiters cannot appear as a value in the business transaction; otherwise the syntax rule will fail.

C6.4.4.5.1.1. Data Element Separator. The first delimiter is the data element separator. This defines the delimiter between each field within the record. This character will likely be the most common character used for any given EDI file.

C6.4.4.5.1.2. Component Element Separator. The second, and least commonly used, is the component element separator. ASC X12 supports the use of sub-elements in transactions employing a Composite data element such as in the Unit of Measure (MEA) and Reference (REF) segments. The component element separator delimits the sub-elements.

C6.4.4.5.2. Segment Terminator. Lastly, the segment terminator defines the end of each segment within the transaction.

C6.4.4.5.3. EDI Interchange and Delimiter Example. Figure C6.F4. shows an example of the EDI data in an interchange.

Figure C6.F4. ASC X12 Delimiters.

ISA*00* *00* *01*1515151515 *01*5151515151 *041201*1217*U*00403*000032123*0*P**~ GS*CT*9988776655*1122334455*20041201*1217*128*X*004030~ ST*831*00128001~ BGN*00*88200001*20041201~ N9*BT*88200001~ TRN*1*88200001~ RCD*1*20*EA\2\1~ AMT*2*100000.00~ QTY*46*1~ SE*8*00128001~ GE*1*128~ IEA*1*000032123~
Data Element Separator = * (Asterisk). Defined in the fourth position of the ISA Segment Component Element Separator = \ (Back slash). Defined in the 3rd to last position of ISA segment Segment Terminator = ~ (Tilde). First occurrence defines the segment termination

C6.5. XML STANDARDS. DLMS use XML as an alternative to EDI for exchanging data between logistics trading partners. XML offers a flexible way to describe and tag content (data, word, phase, etc.) in a structured way. The XML standard emphasizes simplicity and usability over the Internet. It is a textual data format with worldwide support. Though originally designed to focus on documents, it is widely used to represent data structures (e.g., DLMS) and is the foundation of web services. XML only refers to the data; the XML Schema (i.e. XSD file) is used to express the set of business rules to which the XML must conform to be considered valid. The schema is an abstract collection of metadata components. The XML instance document is validated against the schema (a process known as the assessment) prior to sending the transaction for processing. This validation ensures required fields are present, the elements are in the correct format and valid codes are used (when defined in the schema).

C6.5.1. Well-Formed. The XML specification defines an XML document as text that is well-formed; for example, it satisfies a list of syntax rules provided in the specification. Some of the key criteria are:

C6.5.1.1. It contains only properly encoded legal Unicode characters.

C6.5.1.2. None of the special syntax characters such as "<" and "&" appear except when performing their markup-delineation roles.

C6.5.1.3. The beginning, ending, and empty-element tags that delimit the elements are correctly nested, with none missing and none overlapping.

C6.5.1.4. The element tags are case-sensitive; the beginning and end tags must match exactly. Tag names cannot contain any of the characters !"#$%&'()*+,/;<=>?@[\]^`{|}~, nor a space character, and cannot start with -, ., or a numeric digit.

C6.5.1.5. There is a single "root" element that contains all the other elements. The XML instance document must adhere to all the rules of a well-formed file or it is not XML. An XML processor that encounters violation of the well-formed rules is required to report such errors and to cease normal processing.

C6.5.2. In addition to being well-formed, DLMS XML must be valid. This means that it contains a reference to a schema (XSD file) and that its elements and attributes are declared in that schema and follows the grammatical rules for them that the schema specifies. Additional usage information is further described in Chapter 8.

C6.5.3. XML Tags. XML and EDI tag names are similar, but XML fields and records are handled differently than in EDI. In EDI, data is separated by delimiters. In XML, documents are comprised of markup code to delimit content. Markup and content are distinguished by syntactic rules. All strings that constitute markup begin with the character < and end with a >. These bracketed strings are called XML tags. Strings of characters that are not XML tags are content.

C6.5.3.1. XML tags define the beginning and end of each section of the XML transaction. The start tag contains the field or record name. The end tag will use the same name, but will be preceded by a forward slash. Anything in between the two tags is content. For example, to define the value 1000 in the quantity field the XML might appear as <quantity>1000</quantity>. Figure C6.F5 shows the hierarchy:

Figure C6.F5. XML Hierarchy

```
<segment>
<code>ISA</code>
<element>00</element>
<element>        </element>
<element>00</element>
<element>        </element>
<element>01</element>
<element>1515151515     </element>
.
.
.
</segment>
```

C6.5.3.2. XML is self-validating. Each DLMS XML transaction has an XSD (XML Schema Definition) file. The XSD defines the data types (e.g., string, numeric, binary) and detailed constraints (e.g., size, optional/required, enumeration value (lookup table), and format). The process of checking to see if an XML transaction conforms to a schema is called validation, which is separate from XML's core concept of being syntactically well formed. All XML transactions must be well formed or they cannot be parsed. The schema

ensures the transaction conforms to the process rules. Validation of an instance transaction against a schema can be regarded as a conceptually separate operation from XML parsing. In practice, the schema validation is integrated within the XML parser.

C7. CHAPTER 7

DEFENSE LOGISTICS MANAGEMENT STANDARDS USE OF ACCREDITED STANDARDS COMMITTEE X12

C7.1. PURPOSE. The purpose of this chapter is to describe Defense Logistics Management Standards (DLMS) use of Accredited Standards Committee (ASC) X12 standards.

C7.2. IMPLEMENTATION CONVENTION. ASC X12 develops uniform standards for electronic interchange of business transactions. The main objective of ASC X12 is to provide standards to facilitate electronic interchange of general business transactions. The standards provide a broad range of transaction setup upon which trading partners may base specific implementation conventions (IC). By agreement between trading partners, ICs are developed to satisfy a specific business interchange. These ICs do not incorporate the full range of allowable business information in a transaction set but tailor the configuration of the transaction sets to identify selected data segments and data elements essential to the business interchange. The Logistics Community has exercised a similar judgment in developing and defining the DLMS ICs.

C7.3. DLMS IMPLEMENTATION CONVENTION

C7.3.1. The DLMS ICs represent a combination of ASC X12 standards and implementation guidance specific to the DLMS. The main objective is to provide standards to facilitate electronic interchange of general business transactions. DLMS ICs identify and define the segments, data elements, and codes that DLMS trading partners use in each IC. Most importantly, DLMS ICs specify rules and formats for the content within the data elements. DLMS ICs address how the standards are implemented. One X12 transaction set may be used in several different functional areas or repeatedly within the same functional area. Each separate interpretation of the standards according to a specific usage is called an application. DLMS ICs are found on the DLA Logistics Management Standards Office Website: www.dla.mil/j-6/dlmso/eLibrary/TransFormats/140_997.asp.

C7.3.2. Structure. Each DLMS IC consists of a cover page, X12 transaction set table diagram, segment hierarchy, and notes.

C7.3.2.1. Cover page. The cover pages includes the transaction designation (e.g., 527R, Material Due-In and Receipt), the purpose of the transaction (brief narrative description of how this transaction is used), notes (a more detailed description of the transaction within the scope of the Supply Chain), and a change history (a list of ADCs and a short description of the enhancement).

C7.3.2.2. X12 Transaction Set Table Diagram. The information here contains an outline of the X12 standard transaction set. There may be semantic notes, but only high level information is contained within this section.

C7.3.2.3. Segment Hierarchy. The segment hierarchy includes a data element summary with information pertaining to each data element in the segment. In general, information printed in normal typeface is extracted from ASC X12 standards and information printed in italics prefaced by "DLMS Note" relates to the DLMS implementation of the standards.

C7.3.2.4. Instructions on Use of the ASC X12 Standard. In many instances, exact equivalents are not available to map the DoD information requirements to the ASC X12 standard. Specific instructions on how a particular portion of the standard is used under DLMS ICs are provided in the form of DLMS notes. The DLMS notes explain what data may be carried where. The DLMS notes are printed in italics in a gray box. Notes may be applicable to a transaction set, segment, data element, or a specific code value.

C7.3.2.5. Importance of DLMS Notes. The information provided in DLMS notes is crucial to understanding the DLMS IC. At times, the ASC X12 data element or code value name has little similarity to the commonly used DoD name for a piece of information. Additionally, an ASC X12 data element or code value may be used as a migration code (see C7.4.1.3) or local code (see C7.4.1.4) to carry DLMS required data not otherwise provided for by the standard. The DLMS notes explain these circumstances.

C7.3.2.6. Syntax and Semantic Notes. The terms "syntax" and "semantic," when used in the context of EDI implementations, refer to the structure and meaning of X12-formatted information respectively:

C7.3.2.6.1. Syntax is the structure of the data. This includes establishing the method of encoding a piece of data by its attributes and identifying that data in the transfer. Defining minimum and maximum field lengths of a data element or the designation of a relevant code list are examples of syntax requirements.

C7.3.2.6.2. Semantic relates to the meaning of the data transferred. For example, a semantic note might indicate the relationships in the meaning of one or more data elements in an instance of the segment.

C7.4. DLMS USE OF ASC X12 CODES. Most DLMS ICs are based on ASC X12 version/release 4010 or 4030. When DLMS uses codes from a higher version/release, it is referred to as a Migration Code. The X12 standard currently does not allow for use of codes from a higher version/release, nor does it allow substantially changing the meaning of the underlying code, hence creating confusion and non-compliance with respect to semantic equivalence. Although technically regarded as syntactically non-compliant by the X12 standard, the DLMS authorize limited use of higher version/release codes to support Component data requirements. DLA Transaction Services, DoD Components, trading partners, and Value Added Networks (VAN) will ensure commercial software products are configured in accordance with the DLMS IC.

C7.4.1. Code Sources

C7.4.1.1. Deriving Code Values. Code values associated with data elements may be derived from several locations. Many of the applicable code values for DLMS data elements are listed in the DLMS ICs. DLMS will continue to support other legacy code structures used in the Defense Logistics Standard System (DLSS). Three data elements, transportation mode/method code (transportation method/type code), unit of issue (unit or basis for measurement code), and type pack code (packaging code) use conversion guides to convert the DoD legacy fixed-position code structure to the ASC X12 code structure. Special processing at the sending node provides conversion from a DoD code value to an ASC X12 code value for transmission of the transaction set. The sender and the receiver employ the conversion guide so that the users see only the familiar DoD code values. DLMS Cross Reference/Conversion Guides are available from the DLA Logistics Management Standards Office Website: www.dla.mil/j-6/dlmso/eApplications/LogDataAdmin/dlmsansiconverguides.asp.

C7.4.1.2. References to Code Source. In DLMS ICs, some data elements reference a significant number of code values that are applicable to a DLMS application. When the specific codes are not listed in the DLMS IC, a reference to a code source is provided.

C7.4.1.3. Migration Code. A “migration code” is a code used from a higher ASC X12 version/release (e.g., 5030) that is used in a lower version/release (e.g, 4010). The semantic meaning and syntax are consistent with the higher version/release. Use of a migration code refers to establishing agreement among all trading partners to use a valid X12 code from a higher version/release, with its approved X12 definition, in a lower version/release of X12. Manual intervention may be needed for some commercial ANSI ASC X12 parsers to accept the higher version/release code.

C7.4.1.4. Local Code. A “local code” is a code value that is not in the current version/release, and has not been established in a higher ASC X12 version/release. A data maintenance action with ASC X12 is in process to establish the code in a higher version/release. Once approved by ASC X12, the local code becomes a migration code. Manual intervention may be needed for some commercial applications to accept the local code.

C7.4.1.5. Borrowed Code. Use of a “borrowed code” refers to establishing an agreement among all trading partners to use a valid X12 code at the correct version but altering the code’s semantic meaning (i.e., the code is used because it conforms to syntax rules, even though its intended meaning is different from its use in the identified context). The borrowed value must be a value that is otherwise unused by the trading partners allowing its definition to be mutually changed. When a borrowed code is identified for DLMS use, DLA Logistics Management Standards Office will submit an ASC X12 data maintenance (DM) action to establish a new qualifier to be approved for use in a higher (future) ASC X12 version/release. The borrowed code may be used indefinitely until DoD migrates to a higher version of ASC X12; however, it is more likely to be permanent, since migration to higher versions is very rare.

C7.4.1.6. DLMS Qualifiers

C7.4.1.6.1. DLMS qualifiers are ASC X12 Data Element 1270 Codes that identify a DoD code list. X12 Data Element 1271 (Industry Code) is the actual code from the code list identified (or qualified) in X12 Data Element 1270. DLMS Qualifiers are available from the DLA Logistics Management Standards Office Website www.dla.mil/j-6/dlmso/eApplications/LOG.NET/UIL/Log_Qualifiers/LQHome.aspx. See Chapter 6 of this volume for more information about how Logistics Data Resources Management System (LOGDRMS) presents qualifiers.

C7.4.1.6.2. Qualifier values are selected from codes approved for use by ASC X12 in the version/release applicable to the DLMS IC. At times, there is no suitable qualifier available within the X12 dictionary and an alternative code must be used to identify and pass the data associated with the business process (migration or borrowed code).

C8. CHAPTER 8
MILITARY STANDARD SYSTEMS/DEFENSE LOGISTICS MANAGEMENT STANDARDS MAPPING

C8.1. GENERAL. This chapter provides an overview of data mapping procedures between Military Standard System (MILS) and Defense Logistics Management Standards (DLMS) transactions. MILS official name is the Defense Logistics Standard System (DLSS), however most users know it as MILS, MILS will be used throughout this chapter.

C8.2. APPLICABILITY AND SCOPE. The data mapping identifies the data content and location within the MILS and DLMS formats. The DLMS maps are created and maintained by DLA Transaction Services and support translation of data both from MILS to DLMS and DLMS to MILS. Because DLMS transactions have the capacity to convey more data than the MILS, the mapping also highlights the gaps in the DLMS and MILS translation processes (e.g., information may be lost when translating a DLMS transaction to a MILS transaction because only values that exist in both DLMS and MILS can be translated).

C8.3. DATA TRANSFORMATION.

C8.3.1. Mapping is a step in a larger process known as data transformation. Data transformation is the process of converting information from one format to another format. MILS is based on 80-column card images developed in the 1960s and was the sole DoD transaction format for decades. The records are fixed length and fields are based on a column position within the record.

C8.3.2. DLMS currently supports two industry standard formats: X12 EDI and eXtensible Markup Language (XML). To make data mapping easier between the multiple formats, DLMS XML uses the EDI X12 element names for the markup tags. For example, if the EDI element name is “Reference Identification”, “<E_Reference_Identification>” and “</E_Reference_Identification>”will be used as the beginning and ending tags within XML.

C8.3.3. DLA Transaction Service’s transformation process involves the use of executable programs to convert transactional data between MILS, DLMS EDI, and DLMS XML.

C8.4. MILS-DLMS EDI MAP CONSTRUCT.

C8.4.1. While the DLMS maps are based on the MILS transaction format, multiple MILS transaction formats may be mapped to a single DLMS transaction. For example, Document Identifier Codes (DIC) D4_, D6_, DRA, DRB, DRF, DZK, D6T, BAY,C3D, C2_, DX_, Z6T, Z4S, Z6S, BG1 and BG2 are all mapped to the DLMS 527R Receipt, Inquiry Response and MRA transaction. Due to this many-to-one relationship, the maps contain conditional statements defining how MILS elements map to the corresponding DLMS elements. For example, the national stock number (NSN) element appears in record position 12 to 24 in both the MILS BG1 and BG2 while other MILS transaction formats use record position 8 to 20, all of which map to a single element (LIN03) in DLMS 527R. The MILS-DLMS maps comprise two sections:

C8.4.2. MILS Section of the Data Map. The legacy 80 record position MILS format is a fixed-length data format, meaning each data value resides in a specific range within the record layout. The MILS section of the map comprises three parts: field name, record position and conditions for translation (if required).

C8.4.2.1. Field name is the data member within the data structure.

C8.4.2.2. Record position defines the beginning and ending position of the data value within the data structure.

C8.4.2.3. The translation describes the conditions for mapping the data between the MILS and DLMS formats.

C8.4.2.3.1. The mapping describes how an individual MILS transaction is translated to the DLMS. The conditional mapping also provides information about values within the record.

C8.4.2.3.2. For example, the MILS transaction format is limited to a fixed number of columns; DLMS are variable length format and do not have the same restriction. In the MILS quantity field, M is used to designate thousands. The map translates M to 000 so the value stored in the DLMS is a numeric quantity.

C8.4.3. DLMS Section of the Data Map. The DLMS section of the data map comprises three parts: DLMS Data Element, Table, and Update information. The DLMS data element relates back to the MILS field name (if one exists) and its MILS record position. In many cases the MILS record position will be “none” because the DLMS transaction is an expanded/enhanced version of the legacy 80 record position MILS transaction. DLMS are designed to support new elements and features that do not exist in the MILS version of the transactions. The table column (next to last column in Figure C8.F3.) is an X12 EDI concept and exists to distinguish among the header, detail, and summary segments of the X12 transaction. DLMS data elements in Table 1 (header segments) contain the transaction information, receiving location and routing information. DLMS data elements in Table 2 (detail segments) contain the values to be used for processing the transaction. DLMS data elements in Table 3 (summary segments) contain summary data for the transaction.

Figure C8.F3. Partial Example of the DLMS 527R Material Due In and Receipt Map

527 MATERIAL DUE-IN AND RECEIPT (D4,D6,DZK,BAY,D6T,Z6T,Z4S, Z6S,BG1,BG2)					
Field Name	Record Position (DLSS)	Conditions	DLMS Data Element	Table	Updated
Transaction Set Identifier Code	None	None	ST01=527	1	
Transaction Set Control Number	None	None	ST02= Serial Number	1	
Beginning Segment	None	If RP1=D or BAY If RP1=E Unit of used Ind – Ext Data If RP1-2=D4, D6, and RP1-2=Z4, Z6, or BAY If RP1-3=DZK and RP54-55=D4 or D6	BR01=00 BR01= 77 BR01=ZZ BR02=D4 BR03=()CCYYMMDD BR06=W1 BR09=()HHMM	1	ADC381 8/10/10
Receiving Location	67-69	If RP1-3≠BAY or RP1-2=Z4 or Z6	N101=RC N103=M4 N104=RP 67-69 N106=FR	1	11/1/06
Receiving Location	78-80	If RP1-3=BAY	N101=RC N103=M4 N104=RP 78-80 N106=FR	1	10/1/04
Routing Identifier	72-74	IF RP1-3=BG1 or BG2	N101=RC N103=M4 N104=RP 72-74 N106=FR	1	ADC 261 4/25/08
Local Stock Number	8-20	DLA Navy BRAC-Ext Data	LIN02=SW LIN03=LSN	2	ADC 381 8/10/10
National Stock Number	None	DLA Navy BRAC-Ext Data (LIN02=SW)	LIN04=FS LIN05=NSN	2	ADC 381 8/10/10
Local Stock Number	None	DLA Marine BRAC – Ext Data	LIN04=SW LIN05=LSN	2	ADC 381A1 10/19/10
Materiel Control Tracking Tag Number	8-20	DLA Navy BRAC-Ext Data	LIN02=ZR LIN03=MCT Tag Nbr	2	ADC 381 8/10/10
Funds Appropriation	None	DLA RBI - Extended Data	FA201=18 FA202=Appropriation	2	PDC 434 7/6/11
Number Of Included Segments	None	None	SE01=Total Number Of Segments	2	
Serial Number	None	Must Equal ST02	SE02=Serial Number	2	

Legend:

MILS | Conditions | DLMS

C8.4.4. XML Mapping. There are no MILS to XML maps. DLMS XML is “EDI based”. This means the segments, elements, and looping structure of the EDI transaction are exactly the same in XML as they are in EDI. For example, if the routing identifier code (RIC) is stored in the “N104” element in EDI, XML will use “N104” as the XML tag name when storing the RIC value in XML (e.g., <N104>S2B</N104>).

C8.5. USING THE MAPS.

C8.5.1. DLA Transaction Services business rules define the routing of transactions and the type of transactions used by each communication system (e.g. EDI, XML, MILS). The DLMS maps are used when the data needs to be transformed between MILS and EDI/XML.

C8.5.2. DLA Transaction Services uses the DLMS maps to translate the input file from one format to another. Missing data, incorrect data types, values outside the parameters and many other reasons can cause the transaction to reject. If the transaction is rejected, DLA Transaction Services sends a notification back to the source system so the transaction can be corrected and resubmitted.

C8.5.3. Components migrating to the DLMS will need to locate the MILS format within the DLSS/DLMS cross reference table located at www.dla.mil/j-6/dlmso/eApplications/LogDataAdmin/dlssdlmscrossreftable.asp. The cross reference will indicate the correct DLMS transaction for a given MILS transaction. Components should compare the MILS format to any existing Service unique formats and document any deltas. The DLMS transactions can be updated in response to changing business needs. If the Component has a unique requirement, a Proposed DLMS Change (PDC) can be submitted to have the specific transaction enhanced (see Volume 1, Chapter 3 of this manual).

C9. CHAPTER 9
LOGISTICS DATA RESOURCE MANAGEMENT SYSTEM

C9.1. PURPOSE. This chapter provides basic information about DLMS data dictionaries and simple navigation in the Logistics Data Resource Management System (LOGDRMS). The data maintenance process is described in C5.3 and C5.4.

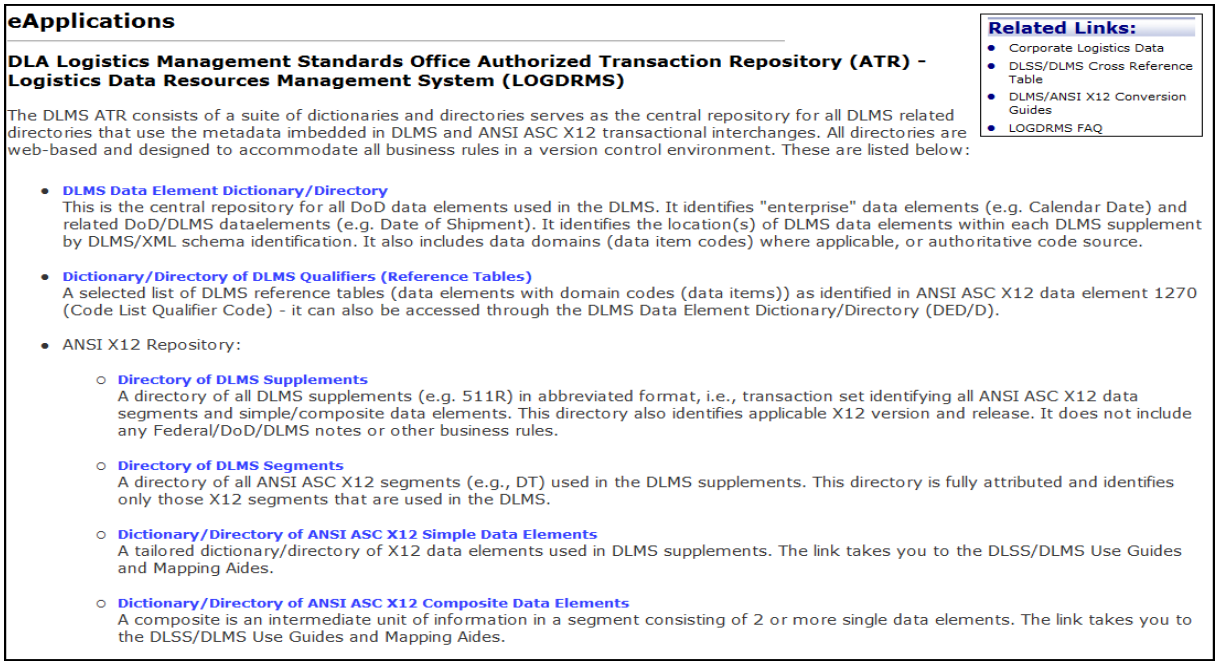
C9.2. LOGDRMS. LOGDRMS is the online repository of DLA Logistics Management Standards (DLMS) data elements, definitions, qualifiers, and the DLMS Supplement (hereafter referred to as DLMS Implementation Convention (IC)) transaction structures.

C9.3. ACCESS. The LOGDRMS website is publically accessible from the DLA Logistics Management Standards Office Website. There is no logon or common access card (CAC) requirement to see data on LOGDRMS. Only unclassified, publicly releasable content is to be provided on LOGDRMS. The link to the LOGDRMS home page is: www.dla.mil/j-6/dlmso/eApplications/LogDataAdmin/dlmsdicdir.asp.

C9.4. HOMEPAGE. The LODGRMS homepage contains overview information and links to the suite of directories in LOGDRMS. LOGDRMS contains three views with sub directories. Figure C9.F1 shows the expanded definition for the three views identified below.

- DLMS Data Element Dictionary/Directory (DEDD)
- Dictionary/Directory of DLMS Qualifiers (Reference Tables)
- ANSI X12 Repository

Figure C9.F1. LOGDRMS Home Page



eApplications

DLA Logistics Management Standards Office Authorized Transaction Repository (ATR) - Logistics Data Resources Management System (LOGDRMS)

The DLMS ATR consists of a suite of dictionaries and directories serves as the central repository for all DLMS related directories that use the metadata imbedded in DLMS and ANSI ASC X12 transactional interchanges. All directories are web-based and designed to accommodate all business rules in a version control environment. These are listed below:

Related Links:
- Corporate Logistics Data
- DLSS/DLMS Cross Reference Table
- DLMS/ANSI X12 Conversion Guides
- LOGDRMS FAQ

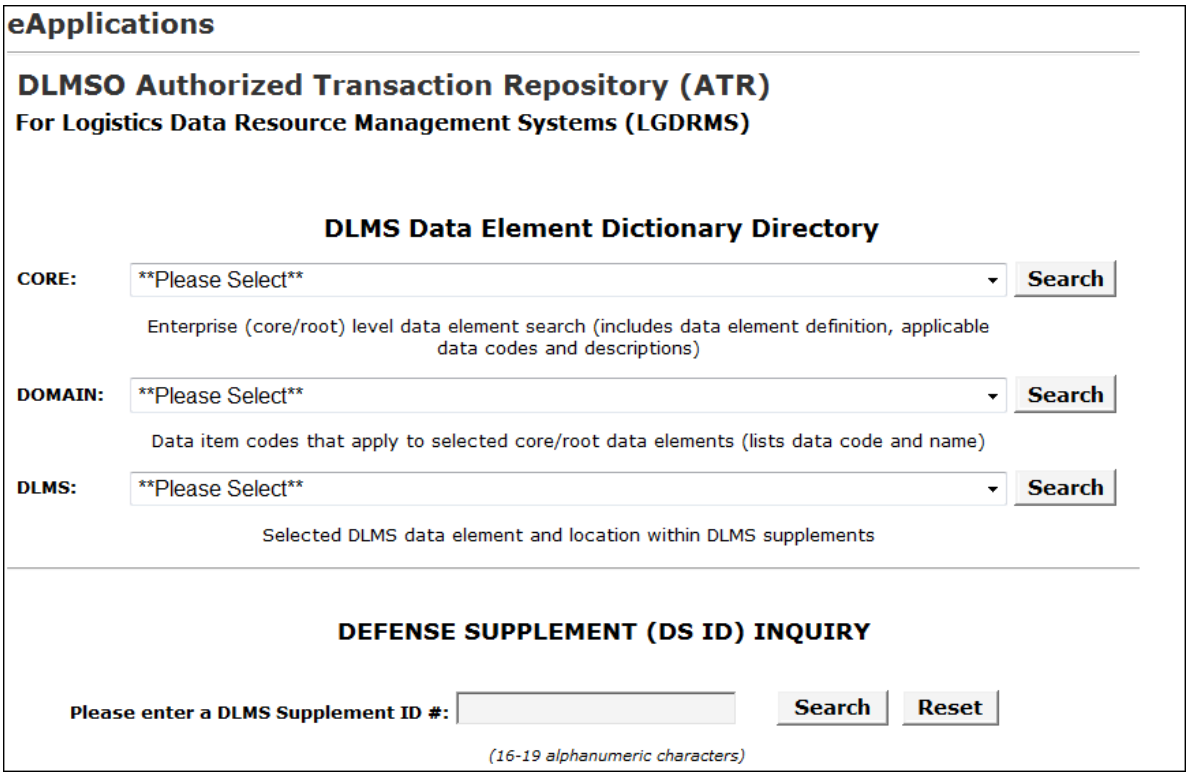
- **DLMS Data Element Dictionary/Directory**
  This is the central repository for all DoD data elements used in the DLMS. It identifies "enterprise" data elements (e.g. Calendar Date) and related DoD/DLMS dataelements (e.g. Date of Shipment). It identifies the location(s) of DLMS data elements within each DLMS supplement by DLMS/XML schema identification. It also includes data domains (data item codes) where applicable, or authoritative code source.
- **Dictionary/Directory of DLMS Qualifiers (Reference Tables)**
  A selected list of DLMS reference tables (data elements with domain codes (data items)) as identified in ANSI ASC X12 data element 1270 (Code List Qualifier Code) - it can also be accessed through the DLMS Data Element Dictionary/Directory (DED/D).
- ANSI X12 Repository:
  - **Directory of DLMS Supplements**
    A directory of all DLMS supplements (e.g. 511R) in abbreviated format, i.e., transaction set identifying all ANSI ASC X12 data segments and simple/composite data elements. This directory also identifies applicable X12 version and release. It does not include any Federal/DoD/DLMS notes or other business rules.
  - **Directory of DLMS Segments**
    A directory of all ANSI ASC X12 segments (e.g., DT) used in the DLMS supplements. This directory is fully attributed and identifies only those X12 segments that are used in the DLMS.
  - **Dictionary/Directory of ANSI ASC X12 Simple Data Elements**
    A tailored dictionary/directory of X12 data elements used in DLMS supplements. The link takes you to the DLSS/DLMS Use Guides and Mapping Aides.
  - **Dictionary/Directory of ANSI ASC X12 Composite Data Elements**
    A composite is an intermediate unit of information in a segment consisting of 2 or more single data elements. The link takes you to the DLSS/DLMS Use Guides and Mapping Aides.

C9.4.1. DLMS Data Element Dictionary/Directory. The DEDD is the central directory for all DoD logistics data elements used in the DLMS. Entries are made for core, domain, and DLMS data element definitions. Select one of the three elements shown below from the drop down list and click the search button next to the element to show the details of the element (Figure C9.F2).

- Core Elements
- Domain Codes and Qualifier Element
- DLMS Element

Core Elements, Domain/Qualifiers, and DLMS Elements are discussed in more detail in the following subsections.

Figure C9.F2. DLMS Data Element Dictionary
www.dla.mil/j-6/dlmso/eApplications/LOG.NET/UIL/Default.aspx



C9.4.1.1. Core Elements

C9.4.1.1.1. This section describes the results of selecting a Core data element from Figure C9.F2 above. A Core data element is a logical concept that is the foundation for one or more DLMS elements. The Core data element page (Figure C9.F3) will display the applicable Core data element, related DLMS data elements, and applicable domain data (data codes). It will also show associated DLMS IC, numbers with identified location(s) within each IC.

C9.4.1.1.2. For example, the Core data element “DoDAAC (Department of Defense Activity Address Code)” (Figure C9.F3.), displays the core definition that underlies the use of DoDAAC with the DLMS and the associated DLMS data elements (e.g. DoDAAC - BILL AND SHIP TO PARTY, DoDAAC - BILL TO PARTY (FOR DISPOSAL OF HAZARDOUS MATERIEL)).

C9.4.1.1.3. Clicking on the “Logistics Qualifier Link” (Figure C9.F3.) will display the page for a linked qualifier, if there is a qualifier reference table for the element.

Figure C9.F3. DLMS Core Element Example

DLMSO Authorized Transaction Repository (ATR)

CORE DATA ELEMENT DICTIONARY/DIRECTORY

NAME: DODAAC (DEPARTMENT OF DEFENSE ACTIVITY ADDRESS CODE)

DEFINITION: A DISTINCTIVE SIX-POSITION ALPHA-NUMERIC IDENTIFIER ASSIGNED TO SPECIFIC UNITS, ACTIVITIES AND ORGANIZATIONS THAT ARE AUTHORIZED TO SHIP OR RECEIVE MATERIAL AND TO PREPARE DOCUMENTATION AND BILLINGS.

DATA CODE CHARACTERISTICS: **TYPE:** ID **MIN:** 6 **MAX:** 6

SOURCE:

REMARKS:

Logistics Qualifier Link

DLMS DATA ELEMENTS

NAME	DS ID	TABLE	POSITION	SEG/REF ID	X12 QUAL	DLMS QUAL
DODAAC - (FINAL) ASSEMBLY/MAINTENANCE ORGANIZATION FOR MEDICAL/SURGICAL COMPONENT ASSEMBLY	004030F650A0AA00	1	500	N101	WZ	---
DODAAC - ACCEPTANCE LOCATION	004010F856A4AA01	2	220	N101	KZ	---
DODAAC - ASSEMBLY FINAL DESTINATION (SHIP TO)	004030F650A0AA00	1	500	N101	ST	---
DODAAC - ASSEMBLY MANAGER (SUPPLY SOURCE)	004030F650A0AA00	1	500	N101	Z4	---
DODAAC - AUTHORIZED FROM	004010F869C2CA02	2	110	N101	AN	---
DODAAC - AUTOMATED DATA PROCESSING (ADP) POINT	004010F856A4AA01	2	220	N101	CJ	---
	004010F861A5AP04	1	130	N101	CJ	---
DODAAC - BILL AND SHIP TO PARTY	004010F511M3MA04	2	180	N101	BS	---
	004010F511R4RA05	2	180	N101	BS	---
	004010F869A2AA03	2	110	N101	BS	---
	004010F869F2FA02	2	110	N101	BS	---

C9.4.1.2. Domain Codes. This section describes the results of selecting a Domain from Figure C9.F2. above. Domain codes are DoD codes mapped to codes of an ASC X12 standard element. The X12 code may or may not match the DoD code, but should be as close as possible. For example, Unit of Measure (UoM) (core data element) contains set of measurement values: Cubic Foot, GA-Gallon. “Type of Unit Price Code” has codes associated with the Core data element, (Figure C9.F4.). Even though every Core Element is in the Domain drop down list, not every Core data element has Domain codes. The Domain result page may also link to a DLMS qualifier list.

Figure C9.F4. Domain Example

DLMSO Authorized Transaction Repository (ATR)

Domain Data Element Inquiry

Root Element Data

Name: TYPE OF UNIT PRICE CODE

Description: IDENTIFIES THE BASIS UPON WHICH THE UNIT PRICE OF A MATERIAL ITEM IS COMPUTED.

Data Element Number: 1519 **Type:** ID **MIN:** 1 **MAX:** 1

Logistics Qualifier Link

Domain Element Data

Domain Code	Domain Name	Date Last Action
AA	BILL	2/10/2006
CA	CATALOG	4/1/2004
CT	CONTRACT	4/1/2004
ES	ESTIMATED UNIT PRICE	4/1/2004
KA	PRICE WITH GOVERNMENT FURNISHED PROPERTY	4/1/2004
NC	NO CHARGE	4/1/2004
NT	NET	4/1/2004
ST	STANDARD UNIT PRICE	4/1/2004

C9.4.1.3. DLMS Data Elements. This section describes the results of selecting a DLMS Element from Figure C9.F2. above. DLMS elements are the functional data standards for the logistics community and are the basis for identifying transaction data requirements. For example, the core data element, “Department of Defense Activity Address Code (DoDAAC)”, is the parent and includes DLMS data variations like “DoDAAC – Bill To Party” and “DoDAAC – Delivery Address”. The results of the DLMS inquiry will display a list of DLMS ICs in which the DLMS data element are used (Figure C9.F5.).

Figure C9.F5. DLMS Data Elements

DLMSO Authorized Transaction Repository (ATR)

DLMS Data Element Inquiry

NAME: DODAAC - BILL TO PARTY

DEFINITION:

SOURCE:

DS ID	TABLE	POS	SEG/REF ID	X12 QUAL	DLMS QUAL
004010F511M3MA04	2	180	N101	BT	----
004010F511R4RA05	2	180	N101	BT	----
004010F527R5RA31	2	210	N101	BT	----
004010F812L1D100	1	100	N101	BT	----
004010F812R1D100	1	100	N101	BT	----
004010F869A2AA03	2	110	N101	BT	----
004010F869F2FA02	2	110	N101	BT	----
004030F856S1SA01	2	2200	N101	BT	----
004030F940R4RA04	2	1100	N101	BT	----

C9.4.1.4. DLMS Implementation Convention Inquiry. This section describes the results of searching a DLMS IC from Figure C9.F2. above. The resulting DLMS IC will display all associated DLMS data elements, X12 qualifiers, and locations in a particular IC. The example in Figure C9.F6. shows the results for DLMS IC“004010F511R4RA05”.

Figure C9.F6. DLMS Implementation Convention Inquiry

DLMSO Authorized Transaction Repository (ATR)

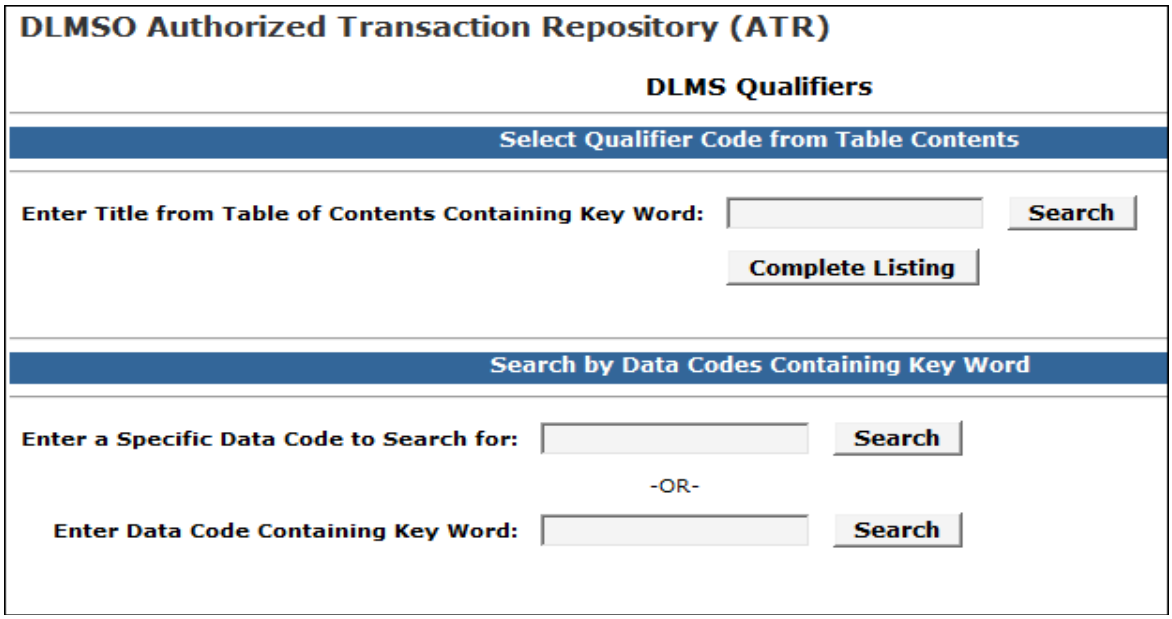
DEFENSE SUPPLEMENT (DS ID/XML SCHEMA) INQUIRY

DS ID XML SCHEMA: 004010F511R4RA05

DE NAME	TABLE	POS	REF ID	X12 QUAL	DLMS QUAL
DS 511R (004010F511R4RA05) REQUISITION	1	0010	ST01	511	----
UNIT OF USE INDICATOR	1	0020	BR01	ZZ	----
TRANSACTION SET PURPOSE CODE	1	0020	BR01	----	----
TRANSACTION TYPE (511R) (REQUISITION)	1	0020	BR02	----	----
REQUISITION ALERT INDICATOR	1	0020	BR06	83	----
ACTION CODE (511R) (REQUISITION)	1	0020	BR06	----	----
JOB ORDER (JO) NUMBER	1	0020	N901	9R	----
DODAAC - STORAGE LOCATION WHICH SHIPPED REQUESTED MATERIAL (POST-POST REQUISITION/REFERRAL ORDERS)	1	0070	N101	77	----
DODAAC - SERVICE LOCATION	1	0070	N101	77	----
DOD RIC - SERVICE LOCATION	1	0070	N101	77	----
MAPAC - SERVICE LOCATION	1	0070	N101	77	----
MAPAC - ORDERED BY	1	0070	N101	OB	----
DODAAC - ORDERED BY (REQUISITIONER)	1	0070	N101	OB	----
DOD RIC - ORDERED BY (REQUISITIONER)	1	0070	N101	OB	----
CAGE - MANAGEMENT CONTROL ACTIVITY	1	0070	N101	Z5	----
DODAAC - MANAGEMENT CONTROL ACTIVITY	1	0070	N101	Z5	----
DODAAC - PARTY PASSING TRANSACTION	1	0070	N101	ZL	----

C9.4.2. DLMS Qualifiers. In Figure C9.F7., the DLMS Qualifiers page provides a way to browse or search for the DLMS managed code lists used in the DLMS IC. The DLMS Qualifiers represent a combination of DoD logistics functional data elements for which the authoritative source is DLM 4000.25, DLMS Manual.

Figure C9.F7. DLMS Qualifiers



C9.4.2.1 Users may enter specific keyword searches to retrieve the desire Qualifier lists, however the best way to view the information is to click on the "Complete Listing" tab for a comprehensive view of all Qualifiers, as shown in Figure C9.F8.

Figure C9.F8. Complete DLMS Qualifiers

DLMSO Authorized Transaction Repository (ATR)

Total record(s) - 264

COMPLETE LISTING OF DLMS QUALIFIERS
Table of Contents

Sort by Code | ALL A B C D E F G H I K L M N O P Q R S T U W | Sort by Title

No.	Qualifier Code	DLMS Qualifier Title
1.	**0	DLMS/DLSS CROSS REFERENCE GUIDE (DLMS SUPPLEMENT (DS) TO DLSS DOCUMENT IDENTIFIER CODE (DIC)) (DLMS SUPPLEMENT SEQUENCE)
2.	**8	UNIT OF ISSUE AND PURCHASE UNIT CONVERSION GUIDE (UNIT OR BASIS FOR MEASUREMENT) (ANSI ASC X12 CODE SEQUENCE)
3.	*0	DLSS/DLMS CROSS REFERENCE GUIDE (DLSS DOCUMENT IDENTIFIER CODE (DIC) TO DLMS SUPPLEMENT (DS)) (DIC SEQUENCE)
4.	*6	SPECIAL CONTRACT PROVISIONS
5.	*8	UNIT OF ISSUE AND PURCHASE UNIT CONVERSION GUIDE (UNIT OR BASIS FOR MEASUREMENT) (DOD CODE SEQUENCE)
6.	*8*	UNIT OF ISSUE AND PURCHASE UNIT CONVERSION GUIDE (UNIT OR BASIS FOR MEASUREMENT) (ALPHABETIC NAME SEQUENCE)
7.	*85	COUNTRY AND ACTIVITY CODE (COUNTRY/TERRITORY/ORGANIZATION/NATO/REGION SEQUENCE)
8.	*9	TRANSPORTATION METHOD/TYPE CODE CONVERSION GUIDE
9.	*A	TYPE OF PACK CONVERSION GUIDE
10.	*AA	COUNTRY CODE (FIPS 10-4) (ALPHABETIC NAME SEQUENCE)
11.	*BT	BACKORDER TYPE

C9.4.2.2. External qualifiers are DoD codes recognized within the X12 Standard as being managed by an external source. For most qualifiers in DLMS, the DLA Logistics Management Standards Office is the recognized code source. The DLMS also use qualifier codes from other sources such as U.S. Transportation Command (USTRANSCOM) for

certain transportation related code lists. A qualifier code value will always be the code transacted. Most of the DLMS qualifiers are registered under American National Standards Institute (ANSI) Accredited Standards Committee (ASC) X12 Data Element 1270 (Code List Qualifier Code) and are used in Data Segment LQ identifying the coded entry to its qualifier. The presence of an asterisk (*) in the qualifier code indicates one of the following conditions:

- The entry represents a conversion guide required or used in the legacy 80 record position Defense Logistics Standard Systems (DLSS)/DLMS translation process. www.dla.mil/j-6/dlmso/eApplications/LogDataAdmin/dlmsansiconverguides.asp,
- The entry shows a secondary sequence of a data code within a qualifier (alphabetic/alphanumeric code sequence or clear-text name),
- The entry is a guide for cross-reference of DoD Document Identifier Codes (DIC) to DLMS ICs.
- The entry identifies a DoD managed code list (qualifier not in the X12 DE1270 code list).

C9.4.2.3. Service and Agency Code Example. Selecting “Service and Agency Code” from Figure C9.F8. above will display a list of valid codes and associated agency names and usage criteria. For example, B – US Army, FMS AND GRANT AID USE ONLY and C – US Army, CONTRACTOR USE ONLY. The results of the inquiry are displayed as shown in Figure C9.F9.

Figure C9.F9. DLMS Qualifier 71

DLMSO Authorized Transaction Repository (ATR)

	LOGISTICS QUALIFIER CODE LIST	QUALIFIER CODE 71
NAME:	SERVICE AND AGENCY CODE	
ALIAS:	CUSTOMER SERVICE DESIGNATOR	
DEFINITION:	DESIGNATES THE MILITARY SERVICE OR OTHER GOVERNMENT ELEMENT OF OWNERSHIP OR SPONSORSHIP. THE CODE MAY BE USED TO IDENTIFY THE SERVICE OR AGENCY THAT INITIATES OR RECEIVES DOCUMENTATION RELATED TO SUPPLY, FINANCE, PROCUREMENT, ETC. MANDATORY USAGE RULES FOR SERVICE AND AGENCY CODES ARE ESTABLISHED FOR THE ASSIGNMENT OF DOD ACTIVITY ADDRESS CODES (DODAAC'S), ROUTING IDENTIFIER CODES (RIC'S)AND MILITARY ASSISTANCE PROGRAM ADDRESS CODES (MAPACS). WHERE APPLICABLE, THE LIST BELOW ALSO PROVIDES FURTHER STRATIFICATION OF DODAAC AND MAPAC ASSIGNMENT USAGE RULES. MAPAC CODES ARE DESIGNATED BY THE PHRASE "FMS AND GRANT AID USE ONLY" IN THE USAGE COLUMN.	
REMARKS:	REFER TO DOD 4000.25-1-M MILITARY STANDARD REQUISITIONING AND ISSUE PROCEDURES (MILSTRIP), AP2.2 (APENDIX 2.2). SERVICE AND AGENCY CODES, SORTED IN ALPHABETIC NAME SEQUENCE, MAY BE FOUND AT URL (LOWER CASE):HTTP://WWW.DLA.MIL/J-6/DLMSO/EAPPLICATIONS/LOG.NET/UIL/LOG_QUALIFIERS/LQVQCDETAILS.ASPX?CODE=71*	
SOURCE:	DEFENSE LOGISTICS MANAGEMENT SYSTEM (DLMS)	
AVAILABLE FROM:		
ABSTRACT:		
DATA CODE CHARACTERISTICS:	**TYPE:** ID **MIN:** 0001 **MAX:** 0006	

CODE	NAME/DEFINITION	EXPLANATION
		NOTE: SERVICE AND AGENCY CODES ARE ALSO LISTED IN ALPHABETIC NAME SEQUENCE UNDER QUALIFIER CODE 71*
	SERVICE/AGENCY CODES	
A	US ARMY	
B	US ARMY	FMS AND GRANT AID USE ONLY
C	US ARMY	CONTRACTOR USE ONLY.
D	US AIR FORCE	FMS AND GRANT AID USE ONLY.
E	US AIR FORCE	CONTRACTOR USE ONLY.

C9.4.3. ANSI X12 Repository. The ANSI X12 Repository reflects the ANSI X12 structures of the DLMS ICs, leaving out the notes. The side navigation bar for LOGDRMS has links to the DLMS IC, segments, composite data elements, simple data elements views. The structures are hyperlinked to enable browsing up or down the parent/child relationships of the structures. The details of X12 concepts are described in Chapter 6.

C9.4.3.1. Directory of DLMS Implementation Conventions - A directory of all DLMS ICs in abbreviated format, i.e., transaction set identifying all ANSI ASC X12 data segments and simple/composite data elements. This directory also identifies applicable X12 version and release (Figure C9.F10.). NOTE: The authoritative source for the DLMS IC is located on the DLMS IC page.

Figure C9.F10. DLMS Implementation Conventions

DLMSO ATR LINKS
DLMS ATR Home
DLMS Dictionaries/ Directories
DLMS Qualifiers
DLMS Supplements
DLMS Data Segments
ANSI X12 Simple Data Elements
ANSI X12 Composite Data Elements
REFERENCE LINKS
DLSS/DLMS Cross Reference Tables
DLMS/ANSI Conversion Guides
ATR Manual
DLMSO Home
QUICK LINKS
Committees
DLMS Process Changes

eApplications

DLMSO Authorized Transaction Repository (ATR)

ANSI X12 Repository

Composite | Simple | Segments | Supplements | Previous

DLMS SUPPLEMENTS

	IC Number	Functional Group	DLMS Supplement Title
View	140A	WA	SMALL ARMS AND LIGHT WEAPONS (SA/LW) REPORTING
View	180M	AN	MATERIAL RETURNS REPORTING
View	511M	RN	REQUISITION MODIFICATION
View	511R	RN	REQUISITION
View	517G	MV	GOVERNMENT FURNISHED MATERIAL (GFM) VALIDATION
View	517M	MV	MATERIAL OBLIGATION VALIDATION (MOV)
View	527D	MD	DUE-IN/ADVANCE RECEIPT/DUE VERIFICATION
View	527R	MD	RECEIPT, INQUIRY RESPONSE AND MRA
View	536L	LR	LOGISTICS REASSIGNMENT MANAGEMENT DATA
View	567	D3	CONTRACT COMPLETION STATUS

C9.4.3.2. Once a user clicks on “View” link in Figure C9.F10. (e.g., 511R) the DLMS IC Transaction Set Specifications will be displayed (Figure C9.F11.).

Figure C9.F11. Implementation Convention Transaction Set Specifications

DLMSO Authorized Transaction Repository (ATR)

ANSI X12 Repository

Composite | Simple | Segments | Supplements | Previous

DLMS Supplement Transaction Set Specifications

511R REQUISITION

FUNCTIONAL GROUP=**RN** RV=**0040102**

ORDER ITEMS OF SUPPLY, REFER TRANSACTIONS TO ANOTHER SUPPLY SOURCE FOR PROCESSING AND TRANSMIT MISROUTED TRANSACTIONS BETWEEN SUPPLY SOURCES.

Versions: **0040102** 0040101

Changed Status: On **Off**

Table 1

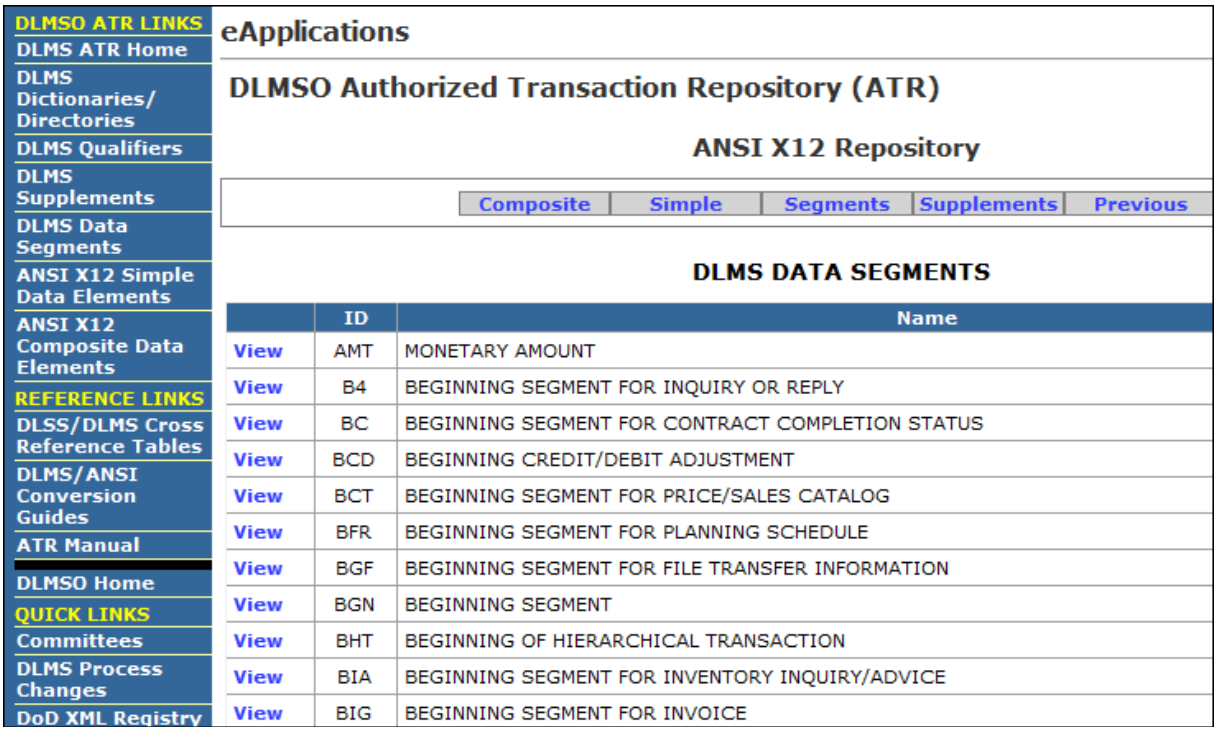
	POS NO.	SEG ID.	NAME	REQ. DES.	MAX USE	LOOP REPEAT
View	010	ST	TRANSACTION SET HEADER	M	1	
View	020	BR	BEGINNING SEGMENT	M	1	
			LOOP ID - N1			20
View	070	N1	NAME	M	1	
View	110	G61	CONTACT	U	5	

Table 2

	POS NO.	SEG ID.	NAME	REQ. DES.	MAX USE	LOOP REPEAT
			LOOP ID - LX			>1
View	010	LX	ASSIGNED NUMBER	M	1	
View	020	N9	REFERENCE IDENTIFICATION	M	>1	
View	030	PO1	BASELINE ITEM DATA	M	>1	
View	060	DD	DEMAND DETAIL	U	100	

C9.4.3.3. Directory of DLMS Segments. This directory identifies only those X12 segments that are used in the DLMS ICs (Figure C9.F12.).

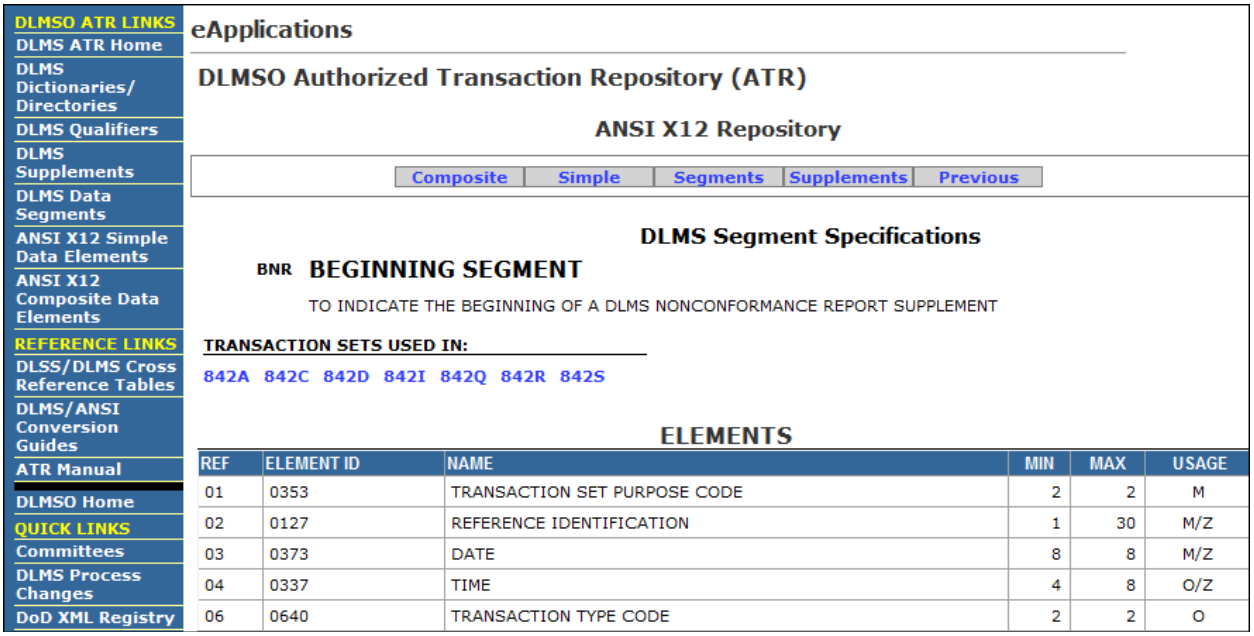
Figure C9.F12. Segments



	ID	Name
View	AMT	MONETARY AMOUNT
View	B4	BEGINNING SEGMENT FOR INQUIRY OR REPLY
View	BC	BEGINNING SEGMENT FOR CONTRACT COMPLETION STATUS
View	BCD	BEGINNING CREDIT/DEBIT ADJUSTMENT
View	BCT	BEGINNING SEGMENT FOR PRICE/SALES CATALOG
View	BFR	BEGINNING SEGMENT FOR PLANNING SCHEDULE
View	BGF	BEGINNING SEGMENT FOR FILE TRANSFER INFORMATION
View	BGN	BEGINNING SEGMENT
View	BHT	BEGINNING OF HIERARCHICAL TRANSACTION
View	BIA	BEGINNING SEGMENT FOR INVENTORY INQUIRY/ADVICE
View	BIG	BEGINNING SEGMENT FOR INVOICE

C9.4.3.4. Once a user clicks on “View” link in Figure C9.F12, e.g., “Beginning Segment”, the Segment Specifications will display (Figure C9.F13.).

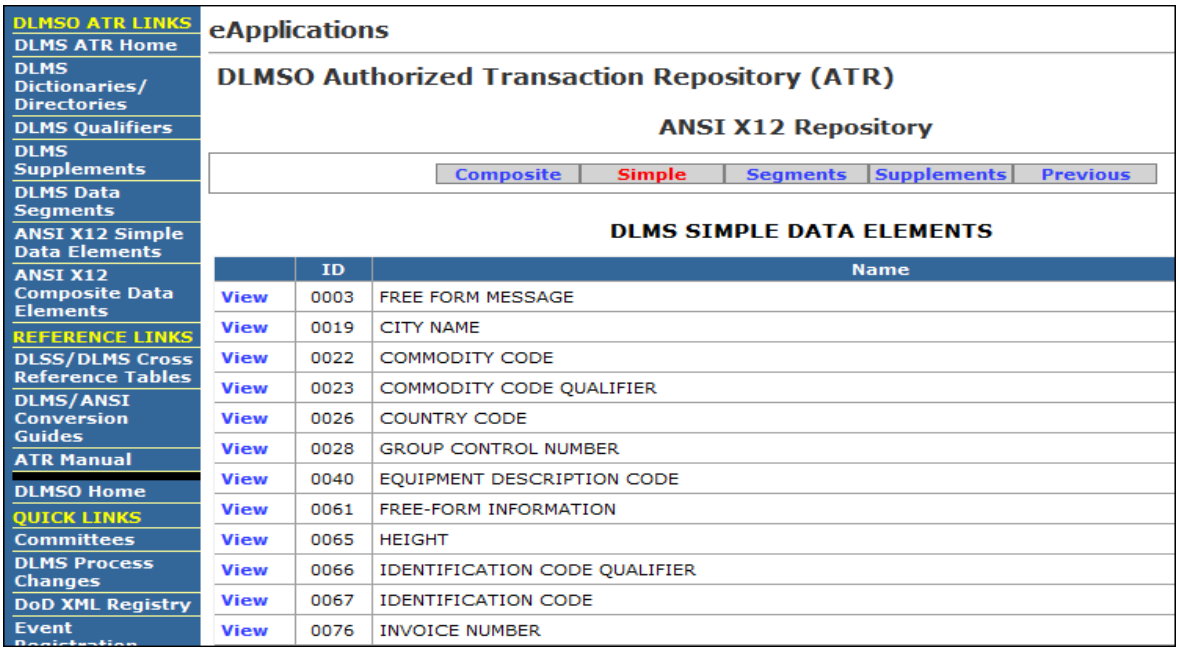
Figure C9.F13. Segment Specifications



REF	ELEMENT ID	NAME	MIN	MAX	USAGE
01	0353	TRANSACTION SET PURPOSE CODE	2	2	M
02	0127	REFERENCE IDENTIFICATION	1	30	M/Z
03	0373	DATE	8	8	M/Z
04	0337	TIME	4	8	O/Z
06	0640	TRANSACTION TYPE CODE	2	2	O

C9.4.3.5. Directory of ANSI ASC X12 Simple Data Elements. Figure C9.F14. shows X12 data elements used in DLMS ICs.

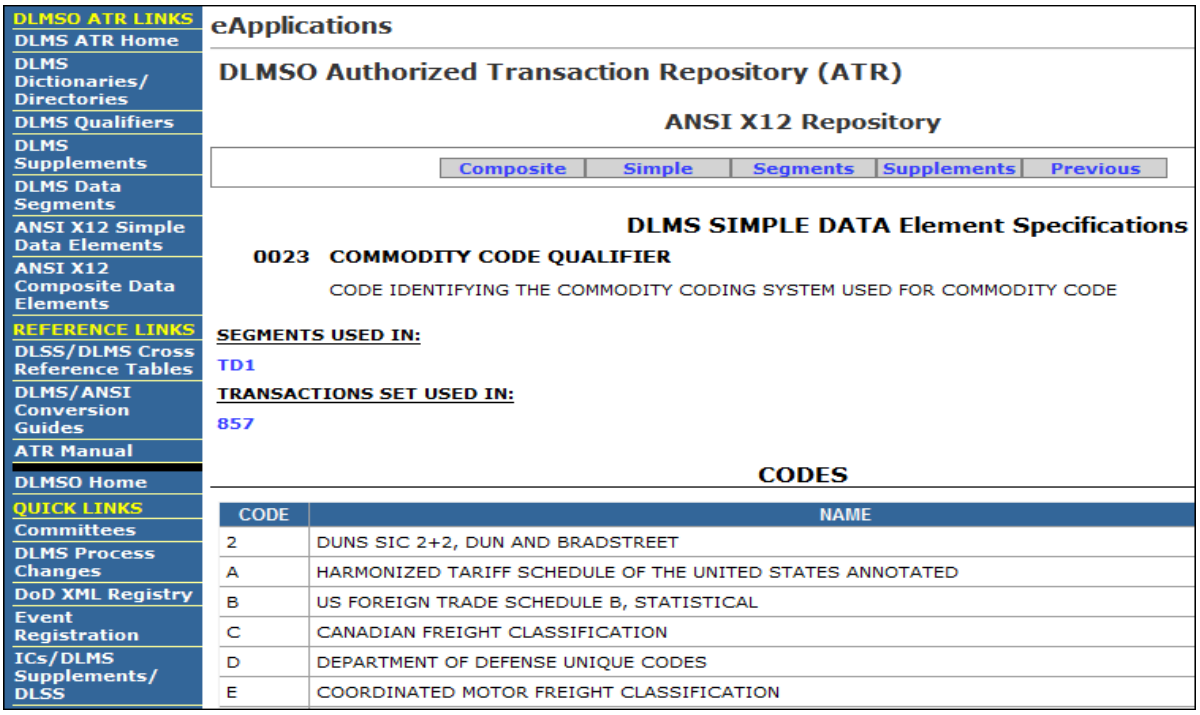
Figure C9.F14. X12 Simple Data Elements



	ID	Name
View	0003	FREE FORM MESSAGE
View	0019	CITY NAME
View	0022	COMMODITY CODE
View	0023	COMMODITY CODE QUALIFIER
View	0026	COUNTRY CODE
View	0028	GROUP CONTROL NUMBER
View	0040	EQUIPMENT DESCRIPTION CODE
View	0061	FREE-FORM INFORMATION
View	0065	HEIGHT
View	0066	IDENTIFICATION CODE QUALIFIER
View	0067	IDENTIFICATION CODE
View	0076	INVOICE NUMBER

C9.4.3.6. Once a user clicks on “View” link in Figure C9.F14., (e.g., “Commodity Code Qualifier”), the DLMS Simple Data Element Specifications will be displayed (Figure C9.F15.).

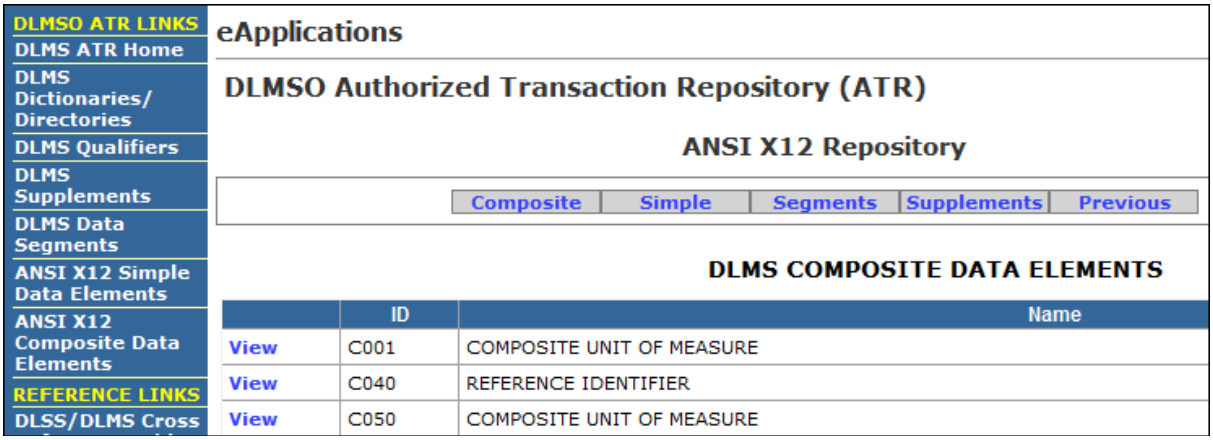
Figure C9.F15. X12 Simple Data Element Specifications



CODE	NAME
2	DUNS SIC 2+2, DUN AND BRADSTREET
A	HARMONIZED TARIFF SCHEDULE OF THE UNITED STATES ANNOTATED
B	US FOREIGN TRADE SCHEDULE B, STATISTICAL
C	CANADIAN FREIGHT CLASSIFICATION
D	DEPARTMENT OF DEFENSE UNIQUE CODES
E	COORDINATED MOTOR FREIGHT CLASSIFICATION

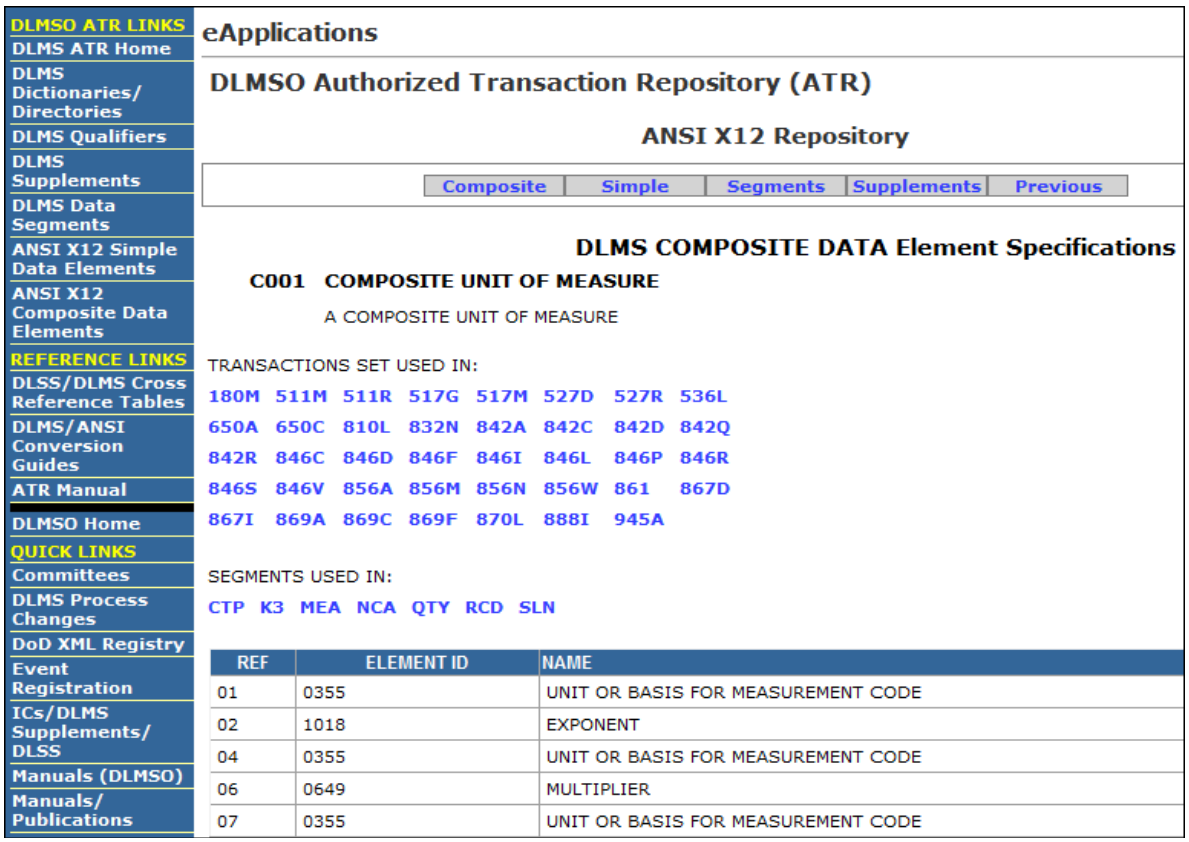
C9.4.3.7. Directory of ANSI ASC X12 Composite Data Elements. Figure C9.F16. lists the composite data elements, which are intermediate units of information in a segment consisting of two or more simple data elements.

Figure C9.F16. X12 Composite Data Elements



C9.4.3.8 Once a user click on “View” link in Figure C9.F16., e.g., “Composite Unit of Measure”, the DLMS Composite Data Element Specifications will be displayed (Figure C9.F17.).

Figure C9.F17. Composite Data Element Specifications



AP2. APPENDIX 2

TERMS AND DEFINITIONS

ACCESSORIAL COSTS OR CHARGES. Certain expenses incident to issues, sales, and transfers of materiel. They are defined to include: packing, handling, and crating costs; transportation costs; port loading and unloading costs; and positioning costs.

FOREIGN MILITARY SALES (FMS). Separate charges added to the standard price of materiel for each foreign military sales case. The charges cover expenses of packing, handling, crating, transportation, and supply operations associated with preparation and delivery of foreign military sales materiel.

LAND. Charges by a carrier for rendering service in addition to the line haul. Such services may include sorting, packing, cooling, heating, switching, delivering, storage, and reconsigning.

OCEAN. Those services for which the ocean carrier is not responsible under the terms of the applicable commercial tariff or Military Sealift Command (MSC) contract rate, but which are required to complete the receipt and delivery of freight between common carriers, consignors, or consignees.

ACCOUNTABILITY. (DoD) The obligation imposed by law or lawful order or regulation on an officer (accountability officer) or other person for keeping accurate record of property, documents, or funds. The person having this obligation may or may not have actual possession of the property, documents, or funds. Accountability is concerned primarily with records, while responsibility is concerned primarily with custody, care, and safekeeping.

ACCOUNTABLE OFFICER. See “Accountability.”

ACCOUNTABLE RECORD. See “Property Accountability Record.”

ACCOUNTING CLASSIFICATION REFERENCE NUMBER (ACRN). A two-position alphanumeric control code assigned (under DFARS 204.7108) to each accounting classification used in a single contract.

ACCREDITED STANDARDS COMMITTEE (ASC) X12. Accredited by the American National Standards Institute in 1979, ASC X12, Electronic Data Interchange, is a voluntary standards group charged with developing American National Standards for electronic data interchange.

ACTION ACTIVITY. Any activity required to take action as a result of a supply discrepancy report (SDR), (e.g., distribution depot, inventory control point/integrated materiel manager, contract administration office, packaging control point, international logistics control office or shipping activity).

ACTIVITY. A unit, organization, or installation performing a function or mission, (e.g., reception center, redistribution center, naval station, naval shipyard). (Source: JCS Publication 1-02, "DoD Dictionary of Military Terms.")

ACTS OF GOD. Happenings outside the control of humans.

ADJUSTMENT REQUEST. Data forwarded to billing offices to request and provide information necessary for adjustment of billings. Adjustment requests also include follow-ups for adjustments for validated discrepancy reports and promised materiel return program credits.

ADJUSTMENTS, BOOK-TO-BOOK. Mismatches within the storage activity's management system between the quantity-by-location and the owner balances.

ADJUSTMENTS, PHYSICAL INVENTORY. The accounting transaction that corrects a book balance to agree with the quantity of the item in storage. Such adjustments may result from (1) physical inventory, (2) a potential discrepancy revealed by a materiel release denial or location survey/reconciliation, (3) capitalization/decapitalization actions, (4) reidentification of stock, (5) type of pack changes, (6) catalog data changes, (7) supply condition and purpose code changes, etc.

ADMINISTRATIVE COSTS. General overhead expenses and other costs in operating the DoD or General Services Administration logistics systems that are incident to the issue, sale, or transfer of materiel and are not included in the price of the materiel, or as an accessorial cost.

ADVANCE PAYMENT. Amounts paid for materiel in advance of performance or delivery of the materiel. Amounts paid for other purposes in advance of the time the amounts are earned by the payee.

AERIAL PORT OF DEBARKATION (APOD). A station that serves as an authorized port to process and clear aircraft and traffic for entrance to the country where located. It is identified by a three-position Air Terminal Identifier Code (Reference DTR 4500.9-R, "Defense Transportation Regulation").

AERIAL PORT OF EMBARKATION (APOE). A station that serves as an authorized port to process and clear aircraft and traffic for departure from the country where located. It is identified by a three-position Air Terminal Identifier Code (Reference DTR 4500.9-R, "Defense Transportation Regulation").

AGENT (Depot Maintenance Interservice Support Agreement). The Military Service responsible for providing depot maintenance support to the Principal. (Source: OPNAVINST 4790.14A, et.al, "Joint Depot Maintenance Program," March 31, 1999)

AGREEMENT LINE ITEM NUMBER (ALIN). Identifies an item of supply listed in an agreement document.

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI). The national coordinator of voluntary standards for the United States and approves a standard only when it has verified evidence which the standards developer presents, showing that those whom the standard materially affects substantially agree by consensus to its provisions.

AMMUNITION/EXPLOSIVES. A device charged with explosives, propellants, pyrotechnics, initiating composition, nuclear, biological, or chemical materiel for use in connection with defense or offense, including demolitions. Ammunition that can be used for training, ceremonial, or nonoperational purposes is included.

ANTICIPATED NOT-MISSION-CAPABLE-SUPPLY (ANMCS). A condition which is anticipated to occur within 15 days in the continental United States (CONUS) or 20 days outside the continental United States (OCONUS) of the requisition date when the lack of items or equipment required causes mission-essential systems or equipment of being incapable of performing any of their assigned missions.

ASSEMBLAGE IDENTIFICATION NUMBER (AIN). AIN is a 2-position numeric ranging from 01-20 and is the second level identifier for medical and industrial kits/sets. It is system generated at the build manager level based on the number of kits required.

BASIC ISSUE ITEM (BII). Those essential auxiliary items that are required to operate equipment and enable it to perform the mission and function for which it was designated.

BATCH SERIAL NUMBER. A consecutive number assigned by the paying office to each batch of contract payment notices. On October 1st, each batch for each accounting point begins with one. The batch serial number identifies the number of batches transmitted to the specific accounting point since the first day of the fiscal year.

BILL. A statement of the amounts owed for the transfer or sale of materiel and for the performance of services incident to the transfer.

BILL NUMBER. An alpha or numeric identifier assigned by the billing office to identify a bill. The bill number is unique to the billing office DoD activity address code (DoDAAC) and may not be duplicated within a calendar year.

BILL OF LADING (B/L). The primary document used to procure freight and express transportation and related services from commercial carriers, including freight forwarders.

BILLED ERROR. An error in a bill, at the bill or detail billing record level, which has one or more of the following characteristics: duplicates a previous bill or detail record; contains an error in amount; assigns the wrong billed office, (i.e., designates the billed office in a manner that violates the requirements of Volume 4, Finance; was not billed under the proper method (noninterfund versus interfund); or should not have been billed, (e.g., was nonreimburseable, the requisition was cancelled, or accessorial charge was inappropriate)).

BILLED OFFICE. Any office designated to receive a bill.

BILLING DISCREPANCY. A discrepancy related to duplicate or multiple billings per individual shipment or a single billing with no ship line. Such discrepancies are reportable by security assistance customers on a supply discrepancy report. Within U.S. Government channels, all billing discrepancies will be processed under Volume 4, Finance.

BILLING OFFICE. An office that prepares bills for materiels and services subject to the requirements of Volume 4, Finance.

BILL OF MATERIAL (BOM). A list of raw materials/component parts, etc. and at the quantities of each needed to assemble/manufacture/repair an end item or final product.

BUILD DIRECTIVE NUMBER (BDN). BDN is a 4-position alphanumeric value used to identify a specific build order of a medical/industrial kit. It is system generated at the build manager level and serves as the first level identifier.

BUSINESS RULE. A statement that defines or constrains some aspect of the business. It is intended to assert business structure or to control or influence the behavior of the business.

CAPITALIZATION. The receipt or transfer in of inventories from a different fund or fund subdivision without charge or income. The inventory increases the transferee's fund equity (capital) directly and does not increase operational income or expense.

CARE OF SUPPLIES IN STORAGE (COSIS). A program composed of a set of processes and procedures whose purpose is to ensure that materiel in storage is maintained in ready-for-issue condition or to prevent uneconomic deterioration of unserviceable materiel. With proper COSIS, supplies and equipment in storage will be preserved and maintained in a serviceable condition through inspection and actions taken to correct any forms of deterioration and to restore materiel to ready-for-use condition. The COSIS includes in-storage inspection, minor repair, testing, exercising, preservation, and packing of materiel, and all intra-depot materiel movement to perform those tasks.

REIMBURSABLE COSIS. Those COSIS activities such as testing, exercising, preservation, and packing of materiel in storage resulting from COSIS inspections and not funded under discrete pricing and, in general, entails those actions necessary to correct the problems with the materiel, and/or packaging identified by the routine COSIS. Reimbursable COSIS Includes the costs for any component parts required in performing minor repairs. This applies to both receipts from Military Service activities as well as materiel in storage, and includes both minor repairs and necessary packaging that will maintain the stored materiel in assigned materiel condition codes. Funding for this work is outside of the scope of the discrete pricing as defined in the Defense Capital Working Fund

STANDARD COSIS. Standard COSIS inspections are included in the discrete pricing rate and as a minimum, consist of an annual survey of the materiel in storage. The instructions in DLAI 4145.4/AR 740-3/AFJMAN 23-231/ NAVSUPINST, “Stock Readiness,” January 6, 2003, provide specifics for various materiel types and categories.

CASE DESIGNATOR. A unique code used with a country identification code to identify a particular foreign military sale. It is a three-character designation.

CENTRAL SERVICE POINT. A representative designated by each Service/Agency to update the DoD activity address directory (DoDAAD) and military assistance program address directory (MAPAD) databases and to maintain liaison with DLA Transaction Services and the DoDAAD and MAPAD System Administrators.

CHANGE NUMBER. The change number is assigned by DLA Transaction Services and consists of four positions, (i.e., a one-position calendar year code and a three-position serial number).

CLEAR TEXT ADDRESS. The in-the-clear address of the ship-to and/or the mark-for activity identified by the military assistance program address code (MAPAC).

COMMUNICATION ROUTING IDENTIFIER (COMMRI). A 7 character code that uniquely identifies an International Logistics Communication System (ILCS) account, established with the DLA Transaction Services, to electronically transmit and receive logistics data between the foreign military sales and the US DoD supply systems.

COMPONENT REGISTRY. The Military Service or Defense Agency system which maintains visibility of all small arms and light weapons (SA/LW) serial numbers within that Component and provides the DoD SA/LW Registry with small arms and light weapons status.

CONSIGNEE. The recipient (unit, depot, or person) to whom cargo is addressed or consigned for final delivery. Activity that is receiving the product.

CONSIGNOR. The person or activity that is the supplier or shipper of a product.

CONSTRUCTED DOCUMENT NUMBER. A document number created and used in place of the original requisition number when the original number cannot be determined. The constructed document number may be employed in reporting selected product quality and supply discrepancies. Under DLMS a constructed document number is identified through the use of a utilization code.

CONSTRUCTIVE DELIVERY. The delivery of materiel to a commercial carrier, freight forwarder, United States or international post office, or customer at point of production, storage, or test. Delivery is evidenced by completed copies of shipping documents, materiel shipment status of shipping documents, drop from inventory, or a list of deliveries in a post office.

CONTRACT ABSTRACT. A representation, in machine format, of key elements of contractual data that are used to establish the contract record in the recipient's database.

CONTRACT ADMINISTRATION OFFICE (CAO). A DoD contract administration service (CAS) DoD Component that performs assigned functions, or a purchasing office which retains functions related to the administration of contracts. (Included in this definition are all geographic and plant-type organizations engaged in the performance of field contract administration services.)

CONTRACT LINE ITEM. An item of supply or service on a contractual document usually identified by a contract line item number (CLIN). (See DFARS 204.7103.)

CONTRACT MAINTENANCE. Any depot level maintenance performed under contract by commercial organizations, including original manufacturer. (Source: OPNAVINST 4790.14.)

CONTRACT MODIFICATION. Any written alteration in the specifications, delivery point, rate of delivery, contract period, price, quantity, or other contract provision of an existing contract, whether accompanied by unilateral action under a contract provision, or by mutual action of the parties to the contract. It includes: (1) bilateral actions such as supplemental agreements; and, (2) unilateral actions such as change orders, administrative changes, notices of termination, and notices of the exercise of a contract option.

CONTRACTOR-FURNISHED MATERIEL (CFM). Materiel that the contractor is contractually required to provide. The source of supply for CFM may be the commercial market or the federal supply system when authorized by contract.

CONTROLLED INVENTORY ITEMS. Those items designated as having characteristics which require that they be identified, accounted for, secured, segregated, or handled in a special manner to ensure their safeguard or integrity. Controlled inventory item categories in descending order of degree of control normally exercised are, as follows:

CLASSIFIED ITEMS. Materiel that requires protection in the interest of national security.

PILFERABLE ITEMS. Materiel having a ready resale value or application to personal possession and which is, therefore, especially subject to theft.

SENSITIVE ITEMS. Materiel which requires a high degree of protection and control due to statutory requirements or regulations, such as narcotics and drug abuse items; precious metals; items which are of a high value, highly technical, or hazardous nature; and small arms, and ammunition. (See DoD 4140.1-R, "DoD Supply Chain Materiel Management Regulation," May 23, 2003")

CONVENTIONAL AMMUNITION. A device charged with explosives, propellants, pyrotechnics, or initialing composition for use in conjunction with defense or offense, including demolitions. Certain ammunition can be used for training, ceremonial, or non-operational use.

CONTROL POINT. An activity designated by a Military Service, DLA or the General Services Administration (GSA) to monitor packaging discrepancies for their respective Service/Agency (S/A).

COUNTRY CODE. 1) Identifies the Geopolitical Entities, Names, and Codes (GENC) standard. The GENC standard is the U.S. government profile of ISO 3166 (Parts 1 and 2) names and code elements, with modifications only where necessary to comply with U.S. law and U.S. government recognition policy. The authoritative source for GENC is

the **Geopolitical Entities, Names, and Codes (GENC) Registry**. 2) Country used for distribution and the physical location used for clear text addressing under DLMS.

CRITICAL SAFETY ITEM (CSI). A part, assembly, installation, or production system with one or more essential characteristics that, if not conforming to the design data or quality requirements, would result in an unsafe condition that could cause loss or serious damage to the end item or major components, loss of control, or serious injury to personnel. Also called CSI. (See Joint Pub 1-02.)

CUSTODIAL ACCOUNTABILITY. The responsibility of the Single Manager for Conventional Ammunition (SMCA) to maintain data elements in the wholesale inventory record to reflect by ownership code the receipt, issue, balance, and other quantitative and financial data essential for proper control and management of assets which are in the single manager's custody but are owned by another DoD Component. Custodial accountability includes the responsibility to initiate and approve adjustment actions and financial liability investigation of property loss reports.

CUSTODIAL RESPONSIBILITY. The responsibility of a storage activity, depot, or agent, which is not the designated single manager, to maintain proper custody, care, safekeeping, receipt, issue, and balance data for stored DoD wholesale materiel.

CUSTOMER COLLABORATION. A confluence of strategic, tactical, and operational time base quantitative and qualitative sharing of information between DLA and its customer activities, including, but not limited to, formalized collaboration partnerships, exception handling by detection and notification, and DLA/customer collaborative demand planning.

CUSTOMER RETURN IMPROVEMENT INITIATIVE (CRII). A DLA program developed to reduce the likelihood that depots would receive nonconforming returned materiel.

DAMAGE. Partial or total marring of the appearance or reduction in usability of the materiel for its intended purpose. For security assistance, damage describes a condition creating impaired item functionality. Applicable to U.S. Postal Service and security assistance shipments only.

DATA ELEMENT. A basic unit of information in a business transaction.

DATA ITEM. A subunit of descriptive information or value classified under a data element.

DATA MODEL. A visual depiction that identifies data, attributes, and relationships associated with other data.

DATA SEGMENT. A series of data elements defined and placed in a single group in a specific sequence. A data segment directory, defines the proper data element sequence for each data segment and is part of the ASC X12 standards.

DATE PACKED. (Shelf-Life Item). For all items required to be marked with date packed, the date packed will be that date on which the product was packaged in the unit container,

regardless of dates of packing, shipping, or additional processing. (See DoD 4140.27-M, " Shelf Life Item Management Manual," May 5, 2003.)

DECAPITALIZATION. The issue or transfer out of inventories to another fund or fund subdivision without expense or reimbursement. The cost of the inventory decreases the transferor's fund equity (capital) directly and does not increase operational expenses or income.

DEFENSE LOGISTICS MANAGEMENT STANDARDS (DLMS). A process governing logistics functional business management standards and practices across DoD. A broad base of business rules, to include uniform policies, procedures, time standards, transactions, and data management, designed to meet DoD requirements for global supply chain management system support. DLMS enables logistics operations to occur accurately and promote interoperability between DoD and external logistics activities at any level of the DoD organizational structure. The DLMS supports electronic business capabilities such as: ANSI ASC X12 EDI, upon which the DLMS transaction exchange was founded; automatic identification technology, including passive RFID and linear and 2D bar coding: extensible mark-up language (XML); and web-based technology. The DLMS encompasses standardization of logistics processes including, but not limited to: Military Standard Billing System (MILSBILLS), Military Standard Transaction Reporting and Accountability Procedures (MILSTRAP), Military Standard Requisitioning and Issue Procedures (MILSTRIP), and Supply Discrepancy Reporting.

DELIVERY TERM CODE (DTC). A code (prescribed in FMS cases) identifying the point at which the responsibility for moving an item as an FMS shipment passes from the United States DoD to the purchasing nation or international organization.

DLMS TRADING PARTNER AGREEMENT. A written instrument of understanding negotiated between trading partners that specifies contractual matters and protocols regarding Government DLMS transactions. (Reference DLM 4000.25, "Defense Logistics Management System.")

DEFENSE TRANSPORTATION SYSTEM (DTS). That portion of the worldwide transportation infrastructure that supports DoD transportation needs in peace and war. The DTS consists of two major elements: military (unique) and commercial resources. These resources include aircraft, assets, services, and systems unique to, contracted for, or controlled by the Department of Defense. The Defense transportation infrastructure, including ports, airlift, sealift, railway, highway, intransit visibility, information management systems, customs, and traffic management that the Department of Defense maintains and exercises in peacetime, is a vital element of the DoD capability to project power worldwide. It provides for responsive force projection and a seamless transition between peacetime and wartime operations.

DEMAND DATA EXCHANGE. A systematic method use for submitting collaborative customer projected supply plan materiel requirements to DLA.

DEPARTMENT OF DEFENSE SMALL ARMS/LIGHT WEAPONS (SA/LW) REGISTRY. DoD central repository for SA/LW serial numbers. The registry serves as the single point of access for inquires relating to the last known record of SA/LW serial numbers. Serial numbers are provided by the Component Registries on a scheduled and as required basis.

DEPOT. See "Storage Activity."

DEPOT MAINTENANCE INTER-SERVICE SUPPORT AGREEMENT (DMISA). A formalized agreement similar to a contract whereby one Service (the Agent) obligates itself to provide depot maintenance support for another Service (the Principal). (Source: OPNAVINST 4790.14A, et.al) For the purpose of this manual, DMISA also covers depot maintenance provided for under inter-Service support agreements not covered by the referenced joint regulation.

DETAIL BILLING RECORD. The lowest level of detail in a bill. At this level of the bill, billings for materiel are identified by the transaction number. When more than one shipment is involved, the partial shipment, identified by a suffix, is the lowest level of detail.

DETERIORATION. A breakdown in composition of an item that makes it inferior in quality and value.

DIRECT PROCUREMENT METHOD (DPM). A method of personal property shipment in which the government manages the shipment throughout. Packing, containerization, local drayage, and storage services are obtained from commercial firms under contract arrangements or by the use of government facilities and personnel.

DIRECT VENDOR DELIVERY (DVD). (DoD) A materiel acquisition and distribution method that requires vendor delivery directly to the customer.

DISTRIBUTION DEPOT. See "Storage Activity."

DISTRIBUTION SYSTEM. That complex of facilities, installations, methods, and procedures designed to receive, store, maintain, distribute, and control the flow of military materiel between the point of receipt into a DoD supply system and the point of issue to using activities and units. (See Joint Pub 1-02.)

DLMS SUPPLEMENT. The composite guideline that documents a specific business interpretation of an ASC X12 transaction set standard. A DLMS Supplement defines the structure, content and DLMS business rules for a specific business interpretation; it maps application data requirements into specific data fields within the X12 transaction set (TS) and establishes parameters for its business usage for implementation in the DLMS. DLMS Supplements are also known as either DLMS Implementation Conventions or DLMS Logistics Implementation Conventions.

DROP FROM INVENTORY. Reduction of the quantitative inventory balance.

DUNS (Data Universal Numbering System) NUMBER. A 9 digit numerical identifier/number created for an organization by Dunn & Bradstreet. A different DUNS

number will be assigned for each physical location different address of an organization, as well as each legal division that may be co-located. A DUNS number is frequently required to register with the Central Contractor Registration (CCR).

DUPLICATE BILL. An exact duplicate of a previous bill or a bill supported entirely by duplicate billing records.

DUPLICATE DETAIL BILLING RECORD. A second or subsequent detail billing record for a single shipment.

DUPLICATE SHIPMENT. A shipment which corresponds exactly to a previous shipment.

EFFECTIVE DATE. The five-position ordinal date (two-position year and three-position day) when an address (DoDAAD/MAPAD) change becomes effective.

ELECTRONIC MALL (EMALL). An internet-based electronic mall designed to make it easier for customers to place and track orders and pay for products. For additional information see the DoD EMALL Website https://dod-emall.dla.mil.

ENEMY ACTION. Those courses of action imposed by the enemy that could affect the friendly mission.

ENTERPRISE IDENTIFIER (EID). An identifier, which relies on the Data Universal Numbering System (DUNS) as a primary key for non-DoD entities, and an extended DoD activity address code (DoDAAC) for DoD activities. DUNS+4, an additional 4-digit suffix to the DUNS code, allows for the identification of payment location used by business partner (represented by a DUNS) when that partner has multiple locations. Other alias identifiers recorded to date include the contractor and Government entity (CAGE) code, the austin-tetra number, and taxpayer identification number (TIN).

ESSENTIALITY CODE. Indicates that the assembly or component is essential to the performance of the primary and/or secondary missions of the weapon system and/or end item. The degrees of assembly and/or component essentiality depend on the effect their failure would have on a weapon system and/or end item readiness.

EVIDENCE OF SHIPMENT. Any legible movement document or receipt, duly signed by a carrier representative, which shows that the United States has shipped or released the materiel in question to a carrier for shipment to the country's designated representative, constitutes evidence of shipment. Such documents generally show the quantity, national stock number (NSN), mode date, transportation control number (TCN), notice of availability (NOA) number/bill of lading (B/L)/parcel post insured, registered number, addressee, vessel, or flight number (to the extent possible), and name of shipper and carrier to include weight and cube information, and number of pieces, etc.

EXCEPTION MATERIEL. Security Assistance Program materiel which, due to its peculiar nature and increased transportation risks, requires special handling in the transportation cycle and deviation from normal shipping procedures. This includes classified materiel, sensitive materiel, firearms, explosives, lethal chemicals, and other dangerous and

hazardous materiel that requires rigid movement control and air cargo of such size that the item exceeds commercial capability.

EXHIBIT LINE ITEM. An item of supply or service listed on an exhibit or schedule forming a part of the contractual document usually identified by an exhibit line item number (ELIN). (See DFARS 204.7105.)

EXPEDITED HANDLING SHIPMENTS. Items identified by special requirements handling codes (A, B, C, or D) in the requisitions. Items so identified override normal precedence in processing and moving shipments.

EXPIRATION DATE (Shelf-Life Item). The date beyond which nonextendible shelf-life items (Type I) should be discarded as no longer suitable for issue or use. (See DoD 4140.27-M, "Shelf-Life Item Management Manual").

EXPIRED SHELF-LIFE. The length of time during which an item of supply, subject to deterioration or having a limited life which cannot be renewed, has expired.

FEDERAL SUPPLY CLASSIFICATION (FSC). The first 4-digits of the 13-digit national stock number. The FSC relates/separates items of supply.

FINANCIAL DISCREPANCY. The following definition applies to security assistance discrepancy reporting only. A discrepancy related to administrative and/or accessorial charges that will be processed by the Defense Finance and Accounting Service – Denver, Deputy for Security Assistance (DFAS-DE/I).

FIRE. A phenomenon of combustion manifested in light, flame, and heat.

FOREIGN MILITARY SALES (FMS). That portion of the United States security assistance authorized by the Foreign Assistance Act of 1961, as amended, and the Arms Export Control Act of 1976, as amended. This assistance differs from the International Military Education and Training Program in that the recipient provides reimbursement for defense articles and services transferred. Also called FMS. (See Joint Publication 1-02.)

FOREIGN MILITARY SALES (FMS) CASE DESIGNATOR. A unique designator within a single country assigned by the implementing Service to each FMS case, to identify a specific offer to a country. This designator stays with and identifies the sale or offer of a sale.

FOREIGN MILITARY SALES COUNTRY REPRESENTATIVE (CR). The designated country official (Consulate, Attaché, Director of Movements) duly authorized to control FMS case transactions.

FOREIGN MILITARY SALES FREIGHT FORWARDER/INTERNATIONAL FREIGHT FORWARDER. A private firm that serves as a contractual agent for the FMS customer. These companies, as a minimum, receive, consolidate, and stage materiel within the United States for onward shipment to the purchasing country.

FOREIGN MILITARY SALES (FMS) NOTICE NUMBER. A unique number assigned to control the shipment between the shipper and the consignee.

FOREIGN ORIGIN. Those goods produced or manufactured in a foreign country located outside the CONUS, its possession, or Puerto Rico. It also includes those aforementioned that are physically located in bonded warehouses or foreign trade zones within the United States (U.S.), its possessions, or Puerto Rico, but it does not include foreign produced or manufactured goods that have otherwise been lawfully imported into the United States, its possessions, or Puerto Rico.

FREE-ON-BOARD (FOB) DESTINATION. Product is accepted at destination by the Government. Shipper provides transportation.

FREE-ON-BOARD (FOB) ORIGIN. Product is accepted at origin (source) by the Government. Government provides transportation with commercial carriers.

GAINING INVENTORY MANAGER (GIM). The inventory manager responsible for assuming wholesale materiel management functions.

GENERAL AGENCY AGREEMENT (GAA). Pertains to Government-owned ships operated under cost plus fixed-fee contracts by commercial ocean carriers acting as general agents for the Maritime Administration, U.S. Department of Commerce, with whom the MSC has entered into agreements for the exclusive use of such ships.

GLOBAL EXCHANGE (GEX). The Global Exchange eBusiness Gateway is the Electronic Data Interchange (EDI) hub for Department of Defense. The GEX functions as the single interface among Government and commercial trading partners conducting electronic commerce and EDI activities. It provides translation, routing, and archive services for EDI transactions that are sent between two or more Government systems or between Government systems and their commercial trading partners. There are two GEX sites operated by DLA Transaction Services.

GOVERNMENT-FURNISHED MATERIEL (GFM). Materiel in the possession of, or acquired by, the Government and later delivered or otherwise made available to a contractor. GFM is property that may be incorporated into or attached to a deliverable end item or that may be consumed or expended in performing a contract. GFM includes assemblies, components, parts, raw and processed materials, and small tools and supplies that may be consumed in normal use in performing a contract.

GRANT AID. Military assistance rendered under the authority of the Foreign Assistance Act of 1961, as amended, which provides defense articles and services to recipients on a nonreimbursable (grant) basis.

HANDGUNS. Handguns are divided into one of two major groups depending on the location of the chamber. Revolvers have a revolving chamber; pistols have a chamber integral with the barrel. Some handguns include single-shot pistols, revolvers, semi-automatic pistols, and fully automatic, or machine pistols.

HAZARDOUS MATERIEL (DANGEROUS GOODS). A substance of materiel that has been determined to be capable of posing an unreasonable risk to health, safety, and property when transported. This materiel includes explosives, gasses (compressed, liquefied, or dissolved under pressure), flammable liquids, flammable solids or substances, oxidizing substances, poisonous and infectious substances, radioactive substances, corrosives, and miscellaneous dangerous substances presenting real or potential hazards to life and property. Procedures for handling this materiel are specified in applicable publications of the Department of Transportation, the Interstate Commerce Commission, Federal Aviation Agency, U.S. Coast Guard, U.S. Agriculture Department, U.S. Public Health Service, Intergovernmental Maritime Consultative Organization, the International Civil Aviation Organization, and in federal or military documents. Dangerous goods is the term applied to hazardous materiel in international movement.

IMPLEMENTATION CONVENTION. The composite guideline that documents a specific business interpretation of an ASC X12 transaction set standard. Conventions define the structure, content and DLMS business rules for a specific business interpretation; it maps application data requirements into specific data fields within the X12 transaction set (TS) and establishes parameters for its business usage for implementation in the DLMS. DLMS Implementation Conventions are also known as either DLMS Supplements or DLMS Logistics Implementation Conventions.

INCORRECT ITEM. An item received in lieu of the item requisitioned. This is an erroneous item shipped due to shipper error and not an intended interchangeable/substitute item. See also, WRONG ITEM.

INTEGRATED MATERIEL MANAGER (IMM). Any DoD activity or agency that has been assigned wholesale materiel management responsibility for the Department of Defense and participating Federal Agencies. Integrated wholesale materiel management responsibilities include requirements determination, procurement, distribution, overhaul, and repair of reparable materiel, and disposal of materiel. (See DoD 4140.1-R.)

INTERCHANGEABLE/SUBSTITUTABLE ITEM. An item that possesses such functional and physical characteristics as to be equivalent in performance, reliability, and maintainability, to another item of similar or identical purposes, and is capable of being exchanged for the other item without selection for fit or performance, and without alteration of the item itself or of adjoining items, except for adjustment. (See DoD 4140.1-R.)

INTERFUND BILL. A bill processed under the interfund billing system. These bills are not only "bills" but notices to the billed office that its funds have been disbursed and the bill "paid."

INTERFUND BILLING SYSTEM. An automated billing fund transfer system.

INTERMEDIATE DEFENSE FUEL SUPPORT POINT (DFSP). Bulk fuel storage facility where product is stored for subsequent issue to multiple end customers.

INTERNATIONAL LOGISTICS CONTROL OFFICE (ILCO). The central U.S. Military Service control point in CONUS that monitors requisitions and related transactions for FMS and Military Sales and **Grant** Aid (**GA**).

INTER-SERVICE SUPPORT. Action by one Military Service, or element thereof, to provide logistic and/or administrative support to another Military Service, or element thereof. Such action can be recurring or nonrecurring in character, on an installation, area, or worldwide basis.

INTO-PLANE. A supply technique whereby the U.S. Government contracts with a contractor to refuel military aircraft at commercial airports. The contractor supplies the fuel, lube oil, and refueling facilities (storage tank, vehicle, and equipment). The use of Government refueling trucks, equipment, bladders, etc., is not authorized unless so stipulated in the into-plane contract. (NOTE: Commercial aircraft under a Government charter may be refueled at into-plane locations; and occasionally, into-plane locations may be at a military base.)

INTRA-SERVICE SUPPLY. Exchange of materiel, inventory control documentation, and other management data within or between the distribution systems of a single Service or Agency.

INTRA-THEATER. Movement of materiel from a point in a theater to another point within the same theater.

INVENTORY. Materiel, titled to the U.S. Government, held for sale or issue, held for repair, or held pending transfer to disposal.

INVENTORY CONTROL POINT (ICP). An organizational unit or activity within a DoD supply system that is assigned the primary responsibility for the materiel management of a group of items either for a particular Service or for the Defense Department as a whole. Materiel inventory management includes cataloging direction, requirements computation, procurement direction, distribution management, disposal direction, and, generally, rebuild direction. (Source: JCS Publication 1-02.)

INVENTORY LOT/SEGMENT. A sub grouping of the total items in storage for the purpose of physical inventory counting or location audit. The lot/segment is generally by Federal supply classification (FSC), warehousing, picking station, or some form of commodity grouping.

INVENTORY, SCHEDULED. A physical inventory that is to be conducted on a group of items within a specified period of time, according to an established plan. There are two types of scheduled inventories:

INVENTORY, COMPLETE. An inventory of all conditions of all stock numbers within specified categories.

INVENTORY, SAMPLE. A sample of items selected from an inventory lot in such a manner that each item in the lot has an equal opportunity of being included in the sample

INVENTORY, UNSCHEDULED. A physical inventory which is to be conducted on a specific item as a result of some unscheduled inventory requirement such as an inventory manager or locally initiated request, materiel release denial, location survey or location reconciliation request. There are two types of unscheduled inventories:

INVENTORY, SPECIAL. A physical inventory of a specific item(s) as a result of a special requirement generated by the location audit program, preprocurement, or any other reason deemed appropriate by the item manager, Accountable Property Officer (APO), or the APO designated representative, or the storage activity.

INVENTORY, SPOT. A physical inventory required to be accomplished as a result of a total or partial materiel denial.

ISSUING AGENCY CODE. The IAC represents the registration authority that issued the enterprise identifier. The value for the IAC is assigned by the Registration Authority for ISO/IEC 15459-2, Registration Procedures. The current Registration Authority of ISO/IEC 15459-2 is NEN – Nederlands Normalisatie-Instituut.

ITEM. An item is a single hardware article or a unit formed by a grouping of subassemblies, components or constituent parts. In the DoD, an item is any article produced, stocked, stored, issued, or used; or any product, including systems, materiel, parts, subassemblies, sets and accessories.

ITEM DEFICIENCY. See SF 368, "Product Quality Deficiency Report."

ITEM UNIQUE IDENTIFICATION (IUID) OF ITEMS. The application of a set of data elements that is globally unique and unambiguous, ensures data integrity and data quality throughout life, and supports multifaceted business applications and users. (See UNIQUE ITEM IDENTIFIER for additional definitions of IUID related terms)

JOINT COLLABORATION AGREEMENT. A collaborative and coordinated consensus between DLA and customer activities that cites mutual responsibilities and expectations of both parties in the process of demand data exchange (DDE).

LATENT DEFECTS. This definition is provided for supply discrepancy reporting of product quality deficiencies against security assistance shipments. A deficiency in an article that effects item operability and is not normally detected by examination or routine test, but which was present at the time of manufacture.

LATERAL REDISTRIBUTION. .The release and shipment of materiel from a post, camp, station, or base to another similar activity to satisfy a specific demand.

LESS THAN RELEASE UNIT (LRU). A shipment unit that can be shipped without requiring an export release from the appropriate authority.

LETTER OF OFFER AND ACCEPTANCE. The U.S. document by which the U.S. Government offers to sell defense articles and defense services to a foreign government or international organization. The LOA lists the items and/or services, estimated costs, the

terms and conditions of sale, and provides for the foreign government's signature to indicate acceptance.

LOCATION AUDIT PROGRAM. Consists of actions required to assure compatibility between the assets in storage and the locator records and between the locator records and the accountable records. Location audit programs may include quantity. This program is accomplished in two phases:

LOCATION RECONCILIATION. A match between valid storage activity records and the accountable records, in order to identify and correct situations where items are in physical storage but not on record, on record but not in storage, or where common elements of data, including quantity, do not match. Research of mismatches, including special inventories when required, results in corrective action.

LOCATION SURVEY. A physical verification, other than actual count, between actual assets and recorded location data to ensure that all assets are properly recorded as to location, identity, condition, and unit of issue.

LOCATION RECONCILIATION DISCREPANCIES. Location reconciliation discrepancies are classified into one of four categories as listed below:

a. Owner/Manager Record. Shows balance for storage activity; no location reconciliation transaction received (Type I Location Reconciliation Error).

b. Location Reconciliation Transaction. Received from storage activity; no corresponding owner/manager record (Type II Location Reconciliation Error).

c. Mismatch of Data Elements. Mismatch of any of the following (Type III Location Reconciliation Error):

1). Unit of issue.

2). Ownership/manager identifier.

3). Controlled inventory item code (see DoD 4100.39-M, "Federal Logistics Information Service (FLIS) Procedures Manual," Volume 10).

4). Type of pack code (subsistence).

5). Shelf-life code.

6). Date packed/expiration date (subsistence only).

d. Quantity Discrepancy (Type IV Location Reconciliation Error).

LOCATION SURVEY DISCREPANCIES. Location survey discrepancies are classified into one of three categories as listed below:

a. Locator Record Deleted. The removal or change of a locator record when there is a recorded location but there are no physical assets unless the location is being held open for new receipts (Type I Location Survey Error).

b. Locator Error Established. The recording of locations when assets are physically found in storage and no locator records exist, or when the recorded stock number disagrees with the materiel in the location (Type II Location Survey Error).

c. Locator Record Corrected. Changes to the locator record when physical materiel characteristics differ from any of the following data elements (Type III Location Survey Error):

1). Unit of issue

2). Supply condition code.

3). Controlled inventory item code (see DoD 4100.39-M, Volume 10). Verification of the code must consist of ensuring that assets are stored in areas providing the degree of security commensurate with the assigned code.

4). Type of pack code.

5). Lot number or unique item identifier (for ammunition only).

6). Completeness and accuracy of magazine data card (for ammunition only).

LOGISTICS REASSIGNMENT (LR). The transfer of IMM responsibilities from one manager to another. (See DoD 4140.1-R.)

LOOP. A group of semantically related segments in ANSI ASC X12 Transactions. An example is the N1 loop, which contains name and address information.

LOSING INVENTORY MANAGER (LIM). The inventory manager responsible for relinquishing wholesale materiel management functions.

LOT/SEGMENT (INVENTORY). A sub-grouping of the total items in storage for the purpose of physical inventory counting or location audit. The lot/segment is generally by federal supply class, warehousing, picking station, or some form of commodity grouping.

LOWEST OVER ALL COST. The aggregate of shipment costs known or reasonably estimated; (i.e., transportation rate(s), accessorial, drayage, storage, in transit, packing and crating, unpacking, and port handling costs).

MAINTENANCE (MATERIEL). All action taken to retain materiel in a serviceable condition or to restore it to serviceability. It includes inspection, testing, servicing, classification as to serviceability, repair, rebuilding, and reclamation. (Source: JCS Publication 1-02.). Maintenance, used generically in this manual, also includes evaluation, assembly, disassembly, conversion, and modification.

MAJOR DISASTER. Any disaster as a result of enemy action, insurrection, civil disturbance, flood, fire, hurricane, tornado, earthquake, or other catastrophe which, in the determination of the President, is or threatens to be of sufficient severity and magnitude to warrant disaster assistance by the Federal Government under Public Law 91 - 606, "Disaster Relief Act", 91st Congress (42 United States Code 58) to supplement the efforts and available resources of State and local governments in alleviating the damage, hardship, or suffering caused thereby.

MAJOR INVENTORY VARIANCE. Total dollar value of the item overage or shortage for the stock number exceeds $5,000 or a variance of any value for controlled items.

MANAGEMENT CONTROL ACTIVITY (MCA). A DoD Component, DoD activity, or non-DoD activity, if participating by separate agreement (e.g., the Coast Guard), designated to receive, screen, and validate Military Service-initiated and contractor- initiated requisitions for government furnished materiel (GFM) from the wholesale supply system to support DoD contracts or requirements. (See DoD 4140.1-R)

MAPPING. A process for diagramming what electronic data are to be exchanged, how the data are to be used, and what internal application system requires the data.

MATERIEL. All items (including ships, tanks, self-propelled weapons, aircraft, etc., and related spares, repair parts, and support equipment, but excluding real property, installations, and utilities) necessary to equip, operate, maintain, and support military activities without distinction as to its application for administrative or combat purposes. (See Joint Publication 1-02.) Materiel is either serviceable (i.e., in an issuable condition) or unserviceable (i.e., in need of repair to make it serviceable.) (See DoD 4140.1-R.)

MATERIEL ACCOUNTABILITY. The act of safeguarding, answering for, and exercising proper quantitative and physical controls over DoD materiel, supplies, and equipment in the care and custody of DoD activities.

MATERIEL CONDITION. A classification of materiel that reflects its readiness for issue and use or to identify the action underway to change the status of materiel. (See DoD 4140.1-R)

MATERIEL DENIAL. A transaction notifying the IMM that there is insufficient materiel in storage to satisfy, in total or in part, the quantity directed for issue and specifying the quantity that may not be issued. (See DoD 4140.1-R.)

MATERIEL OBLIGATION. The unfilled portion of a requisition (for a stocked or non-stocked item) that is not immediately available for issue but is recorded as a commitment for future issue, either by direct vendor delivery or backordered from stock.

MATERIEL RECEIPT ACKNOWLEDGEMENT (MRA). A computer processed transaction or manual form used to advise that materiel has been received and posted and/or to indicate that a discrepancy affects the receipt posting/acknowledgement process.

MATERIEL RELEASE CONFIRMATION (MRC). A notification from a shipping or storage activity advising the originator of a materiel release order of the positive action taken on the order.

MATERIEL RELEASE DENIAL (MRD). A notification from a storage site advising the originator of a materiel release order of negative (warehouse refusal) action on the order.

MATERIEL RELEASE ORDER (MRO). An order issued by an accountable supply system manager (usually an ICP or accountable depot or stock point) directing a non-accountable activity (usually a storage site or materiel drop point) within the same supply distribution complex to release and ship materiel. (See Joint Publication 1-02.) Also used to direct redistribution and shipment of materiel from a post, camp, station, or base to another similar organization to satisfy a specific demand.

METADATA. Information describing the characteristics of data; data or information about data; and descriptive information about an organization's data, data activities, systems, and holdings.

MILITARY ASSISTANCE PROGRAM ADDRESS CODE (MAPAC). A code constructed by the ILCO for security assistance program shipments. MAPAC is used to identify the consignee in transportation documents and to obtain clear-text address and other shipment information from the military assistance program address directory (MAPAD).

MILITARY ASSISTANCE PROGRAM ADDRESS DIRECTORY (MAPAD). An automated database of addresses maintained for each country or international organization.

MILITARY ASSISTANCE SERVICE-FUNDED PROGRAM. Programs which, by their nature, are security assistance, except that the funding source is a DoD appropriation.

MILITARY STANDARD BILLING SYSTEM (MILSBILLS). A broad base of logistics transactions and procedures designed to meet DoD requirements to establish standard codes, forms, formats, (both DLMS and legacy 80 record position) and procedures for billing, and related adjustments and collections for sales of materiel and related services for logistics support. It prescribes uniform procedures and time standards for the interchange of logistics information relating to logistics bills. The procedures govern the interchange of information for all logistics related financial management of the Department of Defense and participating external organizations unless specifically exempted by the Assistant Secretary of Defense for Logistics and Materiel Readiness (ASD(L&MR)).

Military Standard Transaction Reporting and Accountability Procedures (MILSTRAP). A broad base of logistics transactions and procedures designed to meet DoD requirements to establish standard codes, formats (both DLMS and legacy 80 record position), and procedures for inventory accountability and reporting processes. MILSTRAP prescribes uniform procedures for recording inventory management data passed between elements of a single Service or Agency distribution system or between the various distribution systems of the Department of Defense. The procedures govern the interchange of logistics information, and related financial management information, for materiel in the supply control/distribution systems of the Department of Defense and participating external organizations, unless specifically exempted by the Assistant Secretary of Defense for Logistics and Materiel Readiness (ASD(L&MR)). The financial management aspects of MILSTRAP pertain only to

financial data produced as a by-product of receipt, issue, and inventory adjustment processing.

MILITARY STANDARD REQUISITIONING AND ISSUE PROCEDURES (MILSTRIP). A broad base of logistics transactions and procedures designed to meet DoD requirements to establish standard data elements, codes, forms, transaction formats (both legacy 80 record position and DLMS) and procedures to requisition, release/issue, and dispose of materiel and prepare related documents. It prescribes uniform procedures and time standards for the interchange of logistics information relating to requisitioning, supply advice, supply status, cancellation, materiel release/issue, lateral redistribution, materiel return processes, materiel obligation validation, contractor access to government sources of supply, and selected security assistance processes. The provisions apply to the Office of the Secretary of Defense, the Military Departments, the Joint Staff, the Combatant Commands, and Defense Agencies. It also applies, by agreement, to external organizations conducting logistics business operations with DoD including (a) non-Government organizations, both commercial and nonprofit; (b) Agencies of the U.S. Government other than DoD; (c) foreign national governments; and (d) international government organizations.

MISDIRECTED MATERIEL. Materiel which is improperly addressed and/or shipped to the wrong destination.

MISIDENTIFIED ITEM. An item for which the label on the container is different than the item in the container, or tag attached to the item. See also, WRONG ITEM.

MUTILATION. The act of making materiel unfit for its intended purpose by cutting, tearing, scratching, crushing, breaking, punching, shearing, burning, neutralizing, etc.

NATIONAL ITEM IDENTIFICATION NUMBER (NIIN). The last 9-digits of the national stock number (NSN). NIIN consists of a 2-digit National Codification Bureau number designating the central cataloging office (whether North Atlantic Treaty Organization or other friendly country) that assigned the number and a 7-digit (xxx-xxxx) nonsignificant number.

NONINTERFUND BILL. A bill that requires payment by a method other than the interfund billing system; (e.g., check payment). An example of this bill is one prepared on an SF 1080, Voucher For Transfers Between Appropriations and/or Funds.

NONTRACEABLE SHIPMENT. A shipment by a mode or method wherein an audit trail between the various shipping elements and the consignee is not available or signed delivery receipts are not required from the consignee. The shipping transportation office normally makes the nontraceability determination.

NOT MISSION CAPABLE SUPPLY (NMCS). Materiel condition indicating that systems and equipment are not capable of performing any of their assigned missions because of maintenance work stoppage due to supply shortage. (See Joint Publication 1-02.)

NOTICE OF AVAILABILITY (NOA). The method by which the U.S. shipping installation will provide advance notification to the designated FMS country representative (CR) or freight

forwarder (FF) that the materiel is ready for shipment and, where appropriate, that the shipment requires an export release under the provisions of AR 55-355, et al.

OFFER OF MATERIEL REPORT (OMR). A report under the Defense Logistics Management Standards (DLMS) that allows inventory control points and integrated materiel managers to use a DLMS transaction to provide disposition instructions or to inquire or respond as to the status of materiel reported as excess or available for redistribution under the DLMS materiel returns program.

OFFER OR RELEASE OPTIONS. Methods by which countries participating in the FMS program advise supply sources whether materiel shipments should be released without prior notice to the CR or FF. The type of offer or release option will be determined as a result of negotiations between the CRs and the U.S. Military Service at the time the case agreement is reached.

OFFER/RELEASE OPTION CODES. Methods by which countries participating in the FMS program, advise sources of supply by coded entry on requisitions whether or not prior notice to the CRs or FFs is required before release of materiel shipments. The type of offer/release option will be determined as a result of negotiations between the CR and the Service at the time the case agreement is reached and will prescribe actions required in regard to shipments against the case except when the shipping activity determines a need for added protection and/or controls (DoD 5105.38-M. "Security Assistance Management Manual (SAMM)").

ORGANIC MAINTENANCE. Maintenance performed by a military department under military control, utilizing Government-owned or controlled facilities, tools, test equipment, spares, repair parts and military or civilian personnel. Depot maintenance support by one Service for another is considered organic within the Department of Defense. (Source: OPNAVINST 4790.14A, et.al.).

OVERAGE. Item overage is when the quantity received is greater than that ordered or shown on shipping document. This type of overage is not evident on delivery but is discovered when the article is opened and the contents are checked. Transportation overages reportable under DTR 4500.9-R, are overages of boxes, packages, or freight (packaged or loose) found to be in excess of the quantity or articles recorded on the bill of lading or transportation document covering the shipment. NOTE: Overage on SEAVAN/container that is source-loaded and moved under a shipper's load and count, and arrives at destination with original seal (s) intact, is a supply discrepancy.

OWNER. The activity holding title to the tangible personal property.

PACKAGING. A generic term that includes the processes of preserving, packing, marking, and unitization as defined below:

MARKING. Application of numbers, letters, labels, tags, symbols, or colors for handling or identification during shipment and storage.

PACKING. Assembly of items into a unit, intermediate, or exterior pack with necessary blocking, bracing, cushioning, weatherproofing, reinforcing, and marking.

PRESERVATION. Application of protective measures to prevent deterioration; includes cleaning, drying, preservation materiels, barrier materiels, cushioning, and container, when necessary.

UNITIZATION. Assembly of packs of one or more line items of supply into a single load in such a manner that the load can be handled as a unit through the distribution system. Unitization (unitized loads/unit loads) encompasses consolidation in a container, placement on a pallet or load base, or securely binding together.

PACKAGING CONTROL POINT. An activity designated by a Military Service which monitors packaging discrepancies.

PACKAGING DISCREPANCY. Any unsatisfactory condition due to improper or inadequate packaging (including marking, packing, preservation, or unitization) and which causes the item, shipment, or package to be vulnerable to loss, delay, or damage, or unnecessary expense to the U.S. Government, as in excessive packaging.

PACKING, HANDLING, AND CRATING COSTS. Costs incurred for labor, materiel, or services in preparing materiel for shipment from or between storage and distribution points.

PARTIAL SHIPMENT UNIT. A shipment unit separated at the origin shipping activity into two or more increments with each increment identified and documented separately.

PAYBACK. When the Single Manager for Conventional Ammunition issues materiel from a location where the requesting service owns no materiel, the owning service is compensated for its loss of materiel by a like item and quantity at a location where the requesting service owns some materiel. The payback of the materiel is accomplished by ownership gain/loss transactions.

PERSONAL PROPERTY. Property of any kind or any interest therein, except real property. Tangible personal property includes military equipment, plant equipment, other equipment (general property, plant and equipment), reparables and consumables. For the purpose of this issuance, personal property discrepancies identify personal property as household goods, unaccompanied baggage (personal effects), house trailers (mobile homes), houseboats, railcars, and privately owned vehicles. (reporting applicable to packaging discrepancies only not applicable to security assistance (See Joint Travel Regulation, Volume 1).

PHYSICAL INVENTORY CUTOFF DATE. A date established for striking the property accountability record balance. This date serves as the reference point for considering the relationship between pre inventory/post inventory transactions and the physical count quantity to determine if the count is in agreement with the inventory record balance.

PHYSICAL INVENTORY INFLOAT CONTROL DATE. Established for initiating controls on all in-process transactions and materiels that could affect the outcome of the inventory.

PLANT EQUIPMENT. Personal property of a capital nature, consisting of equipment, furniture, vehicles, machine tools, test equipment, and accessory and auxiliary items, but excluding special tooling and special test equipment, used or capable of use in the manufacture of supplies or for any administrative or general plant purpose.

PORT OF DEBARKATION (POD). The geographic point at which cargo or personnel are discharged. This may be a seaport or aerial port of debarkation; for unit requirements; it may or may not coincide with the destination. (See Joint Publication 1-02.)

PORT OF EMBARKATION (POE). The geographical point in a routing scheme from which cargo or personnel depart. This may be a seaport or aerial port from which personnel and equipment flow to a port of debarkation; for unit and non-unit requirements, it may or may not coincide with the origin. (See Joint Publication 1-02.)

POSITIONING COSTS. Costs incurred in prepositioning items in the supply distribution system of a Military Department at locations OCONUS in anticipation of support to other authorized customers.

POST INVENTORY TRANSACTION. Any transaction, causing an increase or decrease to the property accountability record balance, dated after the established physical inventory cutoff date.

POST-POST TRANSACTION. The posting of a transaction to add to or subtract from the accountable stock record balance subsequent to physical issue or storage of a stocked item.

PREINVENTORY PLANNING. Pre inventory planning is conducted prior to the physical inventory cutoff date to reduce the potential for inventory inaccuracies through: (1) Actions to ensure location integrity by resolving such situations as unbinned/loose materiel; questionable identity of materiel in location; and multiple conditions, shelf-life (including date of pack/date of expiration), and/or materiel lots stored in a single location; and (2) document cleanup to ensure to the extent possible that adjustments and transaction reversals are posted to the record, in-process receipts are stored in location, and related transactions are transmitted to the IMM prior to the established physical inventory cutoff date.

PREINVENTORY TRANSACTION. Any transaction, causing an increase or decrease to the property accountability record balance, dated prior to the established physical inventory cutoff date.

PREPOST TRANSACTION. The posting of a transaction to add to or subtract from the accountable stock record prior to physical issue or storage of a stocked item.

PRE-POSITIONED WAR RESERVE (PWR). That portion of the war reserve materiel requirement that the current Secretary of Defense guidance dictates be reserved and positioned at or near the point of planned use or issue to the user prior to hostilities, to reduce reaction time, and to assure timely support of a specific force or project until replenishment can be effected. (See Joint Publication 1-02.)

PRINCIPAL (DMISA). The Military Service(s) or other Federal Department or Agency(s) [owner(s)] receiving depot maintenance support from the Agent. (Source: OPNAVINST 4790.14A. et.al)

PRINCIPAL ITEMS. An end item or a replacement assembly of such importance to operational readiness that management techniques require centralized individual item management throughout the supply system to include items stocked at depot level, base level, and using item level. (See DoD 4140.1-R.)

PRIORITY DESIGNATOR (PD). A 2-position numeric code (01 – 15) that identifies the relative priority of the competing requisitions. As an integral of the UMMIPS, it is used by the materiel management systems to allocate available stocks among competing requisitions and is based on the combination of the F/AD assigned to the requisitioning activity and the urgency of need as prescribed in Volume 2, Supply. (See DoD 4140.1-R.)

PROCESS REVIEW COMMITTEE (PRC). A component body that processes and recommends the disposition of Defense Logistics Management Standards change requests. See Chapter 1 for further information.

PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER (PIIN). Identifies contractual documents. (See DFARS subparagraph 204.70.)

PRODUCT QUALITY (ITEM) DEFICIENCY. A defect or nonconforming condition which limits or prohibits the product from fulfilling its intended purpose. Included are deficiencies in design, specification, material, manufacturing, and workmanship.

PROGRESS PAYMENT. Amounts paid for goods or service, not yet delivered, to finance that portion on which performance has been completed.

PROOF OF DELIVERY. A legible data and signature of the designated receiver listed on the delivery manifest, certifying the item was received. Proof of delivery must also reflect the number of cases/containers received to agree with the number shown on supply documentation and actual weight received within weight-range variation. The proof of delivery establishes transfer of custody and liability to the receiver (Defense Transportation Regulation definition). In the case of nonreceipt of SDRs, the DoD ICP/IMM/shipping depot and the General Services Administration are required only to provide evidence of shipment.

PROPERTY ACCOUNTABILITY. The assignment of duties and responsibilities to an individual or organization that mandates jurisdiction, security, and answerability over public property. (See DoD 4140.1-R.)

PROPERTY ACCOUNTABILITY RECORD. The official record of tangible personal property, including inventory, owned by the Department of Defense that is maintained to identify the quantities of items on-hand, unit prices, locations, physical condition, receipt and issue records, authorized stock numbers, item descriptions, and other such information necessary to properly account for materiel and exercise other inventory management responsibilities. (See DoD 4140.1-R.)

PROPERTY RECORD. A formal record of property and property transactions in terms of quantity and/or cost, generally by item. An official record of Government property required to be maintained. Also called property account. (See Joint Publication 1-02.)

PROVISIONING ORDER. A written notification to a contractor to deliver spare repair parts against a line item already contained in a contractual instrument. (Both delivery date and prices may be estimated on the order subject to later definitized on a supplemental agreement.)

PURCHASING OFFICE (PO). The office that awards or executes a contract for supplies or services.

QUALIFIER. A data element that identifies or defines a related element, set of elements, or a segment. The qualifier contains a code taken from a list of approved codes.

RADIO FREQUENCY IDENTIFICATION. RFID systems consist of an antenna, a transceiver with a decoder, and a transponder, typically called an RFID tag. Depending on the type of tag used, the RFID tag may contain a simple “license plate” uniquely identifying the specific tag, or it may be programmed with application-specific information. The antenna acts as a link between the tag and the transceiver. Often, the antenna is packaged with the transceiver and decoder to become a reader, also known as an interrogator. Interrogators can be handheld or fixed-mount devices. The reader decodes the data and passes that information to a computer for processing. The information can be used for a wide variety of inventory management or other identification applications through a central database.

Passive RFID tags have no on-board battery and they provide short communication ranges (1-5 meters). These tags have a low data bandwidth and cannot initiate communications, they must be read.

Semi-passive RFID tags have an internal power source for tag circuitry which allows the tag to complete functions such as monitoring of environmental conditions and which may extend the tag signal range.

Active RFID tags allow extremely low-level RF signals to be received by the tag and the tag (powered by its internal source) can respond by generating a high-level signal back to the reader/interrogator. Active RFID tags can hold large amounts of data, are continuously powered, and are normally used when a longer tag read distance is desired.

RECLAMATION ACTIVITY. An activity that performs the process of reclaiming required serviceable and economically repairable components and materiel from excess or surplus property for return to the proper supply activity.

RECONCILIATION, PHYSICAL INVENTORY. To obtain agreement between the physical count and record balance by attempting to account for all transactions representing infloat documents.

RECONCILIATION, SMALL ARMS, & LIGHT WEAPONS. The process of matching records between the activity(s) having physical custody and/or accountably of small arms and light

weapons and the Component Registry for the purpose of ensuring that the records are in agreement and/or adjusting the difference between the records so that the records agree.

RELEASE. A title given to annual updates of standards.

REPAIR AND RETURN. Consignment, without change in ownership, of reparable materiel from an owning activity to a Government, commercial, or industrial maintenance activity for repair and shipment directly back to the owning activity. The owning activity is responsible for negotiating maintenance agreements and preparation of applicable turn-in documents. The activity having custody of the materiel is responsible for maintaining the property accountability record (materiel accountability) prior to an assets induction into maintenance and following its return from maintenance.

REPORT OF DISCREPANCY. See Supply Discrepancy Report (SDR).

REPORTING ACTIVITY. Within the context of MRA, the reporting activity for U.S. Forces is the activity identified by the ship-to DoDAAC designated in the requisition. The reporting activity is normally the requiring activity or unit that receives the materiel and posts it to a record such as a retail stock record, stock record amount property account, etc. For security assistance shipments, the responsible Military Service ILCO will serve as the reporting activity. Within the context of MRP, the reporting activity is a Service or Agency organization that has reported materiel to an ICP/IMM.

REQUIRED AVAILABILITY DATE (RAD). A date specifying when end items and concurrent spare parts are committed to be available for transportation to a Foreign Military Sales, Grant Aid, or Security Assistant Program recipient.

REQUIRED DELIVERY DATE (RDD). A date specifying when materiel is actually required to be delivered to the requisitioner and is always earlier or later than the computed standard delivery date. A required delivery date cannot exactly equal a computed standard delivery date.

REQUIRED DELIVERY PERIOD (RDP). A period of time specifying the earliest and the latest acceptable date materiel can be delivered. (Applies to conventional ammunition requisitions only.)

REQUISITION. An order for materiel initiated by an established, authorized organization (i.e., a DoD or non-DoD organization that has been assigned a DoD Activity Address Code) that is transmitted either electronically, by mail, or telephoned to a supply source within the Department of Defense or external to the Department of Defense (the General Services Administration (GSA), the Federal Aviation Administration (FAA), or other organizations assigned management responsibility for categories of materiel), according to procedures specified in Volume 2, Supply.

RESEARCH, PHYSICAL INVENTORY. An investigation of potential or actual discrepancies between physical count and recorded balances. The purpose of research is to determine the correct balance and determine the cause of discrepancies. There are three types of research:

CAUSATIVE RESEARCH. An investigation of discrepancies; i.e., gains and losses, consisting of, as a minimum, a complete review of all transactions to include supporting documentation, catalog change actions, shipment discrepancies, and unposted or rejected documentation occurring since the last completed inventory. The purpose of causative research is to identify, analyze, and evaluate the cause of inventory discrepancies with the intention of eliminating repetitive errors. Causative research ends when the cause of the discrepancy has been discovered or when, after review of the transactions, no conclusive findings are possible.

POSTCOUNT VALIDATION. A comparison of physical count with recorded balances or another count, with consideration of transactions that have recently occurred. The purpose of postcount validation is to determine the validity of the count. postcount validation research ends when the accuracy of the count has been verified or when any necessary recounts have been taken.

PREADJUSTMENT RESEARCH. A review of potential discrepancies that involves consideration of recent transactions and verification of catalog data. The purpose of preadjustment research is to determine the correct balance. Preadjustment research ends when the balance has been verified or the adjustment quantity determined.

RESPONSIBLE ACTIVITY. Any activity required to take action as a result of a Supply Discrepancy Report (SDR); (e.g., ICP, contract administration office, packaging control point, or a shipping activity of shipments from an RDO).

RETAIL STOCK. Stock held in the custody or on the record of a supply organization below the wholesale level. (See DoD 4140.1-R.)

RETROGRADE CARGO. A movement of materiel opposite of the normal flow, e.g., cargo returned from OCONUS to CONUS.

SCRAP. Materiel that has no value except for its basic materiel content.

SEAPORT OF DEBARKATION (SPOD). An authorized point of arrival from a foreign country or the United States located at a seaport. It is identified by a three-position water port identifier code (Reference DTR 4500.9-R.

SEAPORT OF EMBARKATION (SPOE). An authorized point of departure from a foreign country or the United States located at a seaport. It is identified by a three-position water port identifier code (Reference DTR 4500.9-R.

SECURITY ASSISTANCE ORGANIZATION (SAO). All Department of Defense elements located in a foreign country with assigned responsibilities for carrying out security assistance management functions. It includes military assistance advisory groups, military missions and groups, offices of defense and military cooperation, liaison groups, and defense attaché personnel designated to perform security assistance functions.

SECURITY COOPERATION CUSTOMER CODES. A two-digit code used by Defense Security Cooperation Agency to represent the country, international organization, region, or

program authority associated with transactions recorded in Security Cooperation systems and associated programs implemented in the Foreign Military Sales. The codes are used to identify the country, international organization, or account which is (1) the recipient of materiel or services sold, leased, loaned, transferred, exchanged, or furnished through FMS programs and (2) the recipient of materiel or services furnished under FMS and Grant Aid.

SEGMENT. Consists of logically related data elements in a defined sequence. A data segment consists of a segment identifier, one or more data elements each preceded by an element separator, and ends with a segment terminator. (See Volume 1, Chapter 7, for additional descriptive information.)

SHELF-LIFE. The length of time during which an item of supply, subject to deterioration or having a limited life which cannot be renewed, is considered serviceable while stored. (See Joint Publication 1-02.)

SHELF-LIFE ITEM. An item of supply possessing deteriorative or unstable characteristics to the degree that a storage time period must be assigned to assure that it will perform satisfactorily in service.

SHIP-TO/MARK-FOR CODE. A one-position alphabetic or numeric code that identifies the mark-for address of the activity to receive the materiel. This code will also identify the ship-to address for materiel/documentation for shipment moving through the Defense Transportation System (DTS).

SHIPMENT. Movement of materiel from point of origin to destination by any mode.

SHIPMENT STATUS. Informs activities of the actual shipping dates (such as the date released to the carrier), the release criteria for shipments, or shipment delay notifications. Also provides for an interface with transportation and for shipment tracing by activities under DTR 4500.9-R.

SHIPMENT UNIT. One or more items assembled into one unit that becomes the basic entity for control throughout the transportation cycle.

SHIPPER. Any organization, service, or agency (including the contract administration or purchasing office for vendors) that originates/delivers materiel to a carrier for movement. The shipper may be a Military organization or activity, other Government agency, or a manufacturer or vendor. The functions performed include planning, assembling, consolidating, documenting, and arranging for movement of materiel.

SHIPPING ACTIVITY. A Service/Agency activity that originates shipments and plans, assembles, consolidates, documents, and arranges for movement of materiel.

SHIPPING (ITEM) DISCREPANCY. Any variation in quantity or condition of materiel received from that shown on the covering authorized shipping documents, e.g., DD Form 1348-1A, Issue Release/Receipt Document, or purchase order. Shipping discrepancies include incorrect and misdirected materiel, receipt of canceled requirements, improper,

inadequate technical or supply documentation, or other discrepancies as enumerated in , Volume 2, Supply, and not the result of a transportation error or product quality deficiency.

SHORTAGE. Item shortage is when the quantity received is less than the quantity ordered or shown on the shipping document. The shortage is not evident on delivery but is discovered when the container is opened and the contents are checked. Transportation shortages reportable under DLAR 4500.15, are shortages of boxes, packages, or loose articles of freight in a SEAVAN/Military Van (MILVAN), roll on/roll off, or a Container Express (CONEX) found to be less than the quantity of freight as recorded on the applicable bill of lading. NOTE: Shortage on SEAVAN/container that is source loaded and moves under shipper's load and count, and arrives at destination with original seal(s) intact, is considered a supply discrepancy.

SHRINKAGE. A reduction in size, weight, or substance.

SINGLE MANAGER FOR CONVENTIONAL AMMUNITION (SMCA). The responsibility assigned to the Secretary of the Army by the Secretary of Defense for the procurement, production, supply, and maintenance/renovation of conventional ammunition within the Department of Defense. Specific responsibilities, functions, authority, and relationships are contained in DoDD 5160.65, “Single Manager for Conventional Ammunition,” August 1, 2008

SMALL ARMS AND LIGHT WEAPONS. For the purpose of DoD small arms and light weapons reporting, small arms and light weapons are defined as man-portable weapons made or modified to military specifications for use as lethal instruments of war that expel a shot, bullet or projectile by action of an explosive. Small Arms are broadly categorized as those weapons intended for use by individual members of armed or security forces. They include handguns; rifles and carbines; sub-machine guns; and light machine guns. Light weapons are broadly categorized as those weapons designed for use by two or three members of armed or security forces serving as a crew, although some may be used by a single person. They include heavy machine guns; hand-held under-barrel and mounted grenade launchers; portable anti-aircraft guns; portable anti-tank guns; recoilless rifles; man-portable launchers of missile and rocket systems; and mortars.”

SMALL ARM AND LIGHT WEAPONS SERIAL NUMBER. The total series of characters appearing on the firing component part of small arms or light weapons.

SMALL ARMS AND LIGHT WEAPONS TRANSACTION REPORTING. Reporting of individual transactions affecting the small arms and light weapons serial numbers' status within any Component registry.

SOURCE OF SUPPLY. Any Federal Government organization exercising control of materiel and to which requisitions are directed. (See DoD 4140.1-R.)

SPECIAL PROGRAM REQUIREMENT (SPR). Automated procedure to forecast select future nonrepetitive requirements that cannot be forecast by the ICP based on demand data and which have the greatest probability of resulting in the eventual submission of requisitions.

SPLIT SHIPMENT UNIT. A whole or partial shipment unit separated at a transshipment point into two or more increments with each increment identified and documented separately.

STANDARD DELIVERY DATE (SDD). A date computed by adding the individual Uniform Materiel Movement and Issue Priority System (UMMIPS) time standards to the requisition date.

STANDARDS. The technical documentation approved for use in the DLMS; specifically, transaction sets, segments, data elements, and code sets. Standards provide the framework for structuring each DLMS transaction.

STATUS RECIPIENT. Includes, but not limited to, requisitioners, International Logistics Control Offices/monitoring activities (Security Assistance and Foreign Military Sales (FMS)), designated MAPAD TAC 4 country designees (FMS), and MAPAD TAC 3 country/in-country security assistance activities status designees (Graint Aid customers).

STOCK READINESS. A DoD program involving the tasks needed to assure that the proper condition of materiel in storage is known and reported, that the condition is properly recorded, and that the materiel is properly provided with adequate packaging protection to prevent any degradation to lower condition codes. Stock Readiness concerns itself with the in-storage inspection, minor repair, testing, exercising of materiel, and packaging aspects associated with these efforts. Stock Readiness includes the elements of COSIS plus the functions related to the receipt, identification, classification, and packaging of materiel during the receipt process. Stock Readiness excludes those actions that fall under the area of general warehouse care and depot maintenance, including the use of proper storage aids, identification of materiel/storage locations, and rewarehousing actions.

STOCK RECORD ACCOUNT. A basic record showing by item the receipt and issuance of property, the balances on hand, and such other identifying or stock control data as may be required by proper authority.

STORAGE ACTIVITY. The organizational element of a distribution system which is assigned responsibility for the physical handling of materiel incident to its check-in and inspection (receipt), its keeping and surveillance in a warehouse, shed, tank, or open area (storage), and its selection and shipment (issue). (See DoD 4140.1-R.)

STORAGE LOCATION. The physical location within a storage activity where materiel is stored.

SUBSISTENCE TYPE OF PACK CODE. Use only in subsistence requisitions to indicate the required level of pack to be applied to shipments of perishable and nonperishable subsistence materiel.

SUBSTITUTABLE ITEM. An item possessing functional and physical characteristics that make it capable of being exchanged for another only under specified conditions or for particular applications and without alteration of the items themselves or of adjoining items. That term is synonymous with the phrase “one-way interchangeability,” such as item B will be

interchanged in all applications for item A, but item A will not be used in all applications requiring item B. (See DoD 4140.1-R.).

SUMMARY BILLING RECORD (SBR). A record, used in the interfund billing system, which summarizes the values of detail billing records and provides other information needed to support transfers of funds between appropriations.

SUPPLY DISCREPANCY. Errors reportable under Volume 2, Supply. For example any variation in goods received from data shown on the covering shipping documents (General Services Administration or Single Line Item Release/Receipt Document; Issue Release/Receipt Document (IRRD); Requisition and Invoice/Shipping Document; authorized procurement delivery document or vendor's packing list; or other authorized shipping document) which is not the result of a transportation discrepancy or product quality deficiency. Supply discrepancies encompass variations in condition or quantity including damaged or lost USPS shipments (except lost registered, insured, or certified), item shortage or overage, incorrect and misdirected materiel, receipt of canceled requirements, improper or inadequate technical data or supply documentation, and any unsatisfactory condition due to improper packaging which causes the materiel to be vulnerable to loss, delay, or damage or which imposes unnecessary expense to the U.S. Government; e.g., excessive packaging.

SUPPLY DISCREPANCY REPORT (SDR). An electronic transmission or manual form used to report a supply discrepancy. Other types of discrepancies may be reported via SDR only as specifically authorized under Volume 2, Supply, Chapter 17.

SUPPLY STATUS. Informs activities of action taken or being taken on materiel requisitioned but not shipped, shipment consignments instructions, or disposition instructions for materiel offered under the materiel returns program (MRP).

SUPPLY SYSTEM RESPONSIBILITY ITEM (SSRI). These items are furnished by the supply system when the end item is issued and will be transferred with the end item during redistribution or other changes of custody unless otherwise specifically directed by the appropriate authority. This term equates to Components of End Item (COEI).

THEFT. The felonious taking and removal of materiel.

TOTAL ITEM PROPERTY RECORD. The record or record set maintained by the IMM that identifies the quantity, condition, and value of the items assets for each organizational entity having physical custody of these assets. The total item property record includes materiel that is due in, in transit, in organic wholesale repair facilities, in a contractor's custody, on loan, on hand in wholesale distribution centers, on hand at retail activities, and for reported assets in the custody of users. (See DoD 4140.1-R.)

TOTAL NONRECEIPT. Complete nonreceipt of item(s) shipped.

TRANSACTION NUMBER (OR TRANSACTION REFERENCE NUMBER). A unique reference number assigned to a transaction for identification throughout the logistics system and for the life of the transaction until its retirement is authorized in official audit reports. For DLMS transactions, this is the document number.

TRANSACTION SET (TS). The electronic data interchange (EDI) equivalent of a paper business document composed of data elements and data segments.

TRANSPORTATION CONTROL NUMBER (TCN). A 17-position alphanumeric character set assigned to control a shipment unit throughout the transportation cycle of the DTS.

TRANSPORTATION COSTS. Costs paid to common carriers or Government activities to move materiel within the transportation system.

TRANSPORTATION DISCREPANCY REPORT. A form used to report loss and damage to materiel.

TRANSPORTATION PRIORITY (TP). A number assigned to a shipment that establishes its movement precedence by air, land, or sea within the DTS.

TRANSSHIPPER. A transportation activity, other than the shipper or receiver, that handles or documents the transfer of a shipment between conveyances. A transshipper is usually a consolidation and containerization point (CCP), air or sea port of embarkation, air or sea port of debarkation, or break-bulk point. A transshipper may perform more than one type transshipment.

TYPE I SHELF-LIFE ITEM. An item of supply that is determined through an evaluation of technical test data and/or actual experience to be an item with a definite non-extendable period of shelf life. (See DoD 4140.27-M.)

TYPE II SHELF-LIFE ITEM. An item of supply having an assigned shelf-life time period that may be extended after completion of inspection/test/restorative action. (See DoD 4140.27-M).

TYPE OF ADDRESS CODE (TAC). A one-position alphabetic or numeric code which designates the use of a DoDAAD or MAPAD address.

UNIFORM MATERIEL MOVEMENT AND ISSUE PRIORITY SYSTEM (UMMIPS). A structure that establishes time standards, based on the mission and urgency of need of the requestor, for the supply of materiel from the date of the requisition to the time that the acknowledgment of physical receipt is posted to the requisitioner's inventory record. (See DoD 4140.1-R.)

UNIQUE ITEM IDENTIFIER (UII). An identifier used to uniquely identify an individual asset used within DoD. The UII may be derived from a DoD recognized IUID equivalent [e.g., Vehicle Identification Number] or a composite structure defined by the DoD [refer to UII Construct 1 and UII Construct 2]. Formation of the UII relies upon two primary methods of serialization: (1) Serialization within the enterprise and (2) Serialization within the original part number of the enterprise. Refer to OSD policy and supporting documentation for specific guidance at http://www.acq.osd.mil/dpap/pdi/uid. Refer to the current version of MIL-STD-130 for specific guidance on marking of U.S. Military property. The generic term, UII, has evolved through usage to mean the concatenated UII as a common database key without regard to the UII data set being used.

UNIQUE ITEM IDENTIFIER (UII) TYPE. A designator that identifies the specific structure and syntax of a type of UII. Specific examples of the UII Type are: Vehicle Identification Number (VIN), UII Construct I (UII 1), UII Construct 2 (UII 2).

UNIQUE ITEM IDENTIFIER (UII) CONSTRUCT 1. This is a concatenated UII based upon serialization within the enterprise. The concatenated UII Construct 1 contains the IAC, EID, and serial number.

UNIQUE ITEM IDENTIFIER (UII) CONSTRUCT 2. This is a concatenated UII based upon serialization within the part, lot, or batch number within the enterprise. The concatenated UII Construct 2 contains the IAC, EID, original part number, lot or batch number, and serial number.

UNIQUE ITEM TRACKING (UIT). A program within DoD for tracking selected items to maintain visibility of each uniquely identified asset for the primary purpose of inventory control and/or engineering analysis.

USTRANSCOM REFERENCE DATA MANAGEMENT (TRDM). A utility for managing transportation reference tables utilized by various Department of Defense (DoD) systems. It distributes the data to systems using a variety of methods according to individual system requirements and has an application for entering data.

VALIDATED DISCREPANCY REPORT. A discrepancy report in which the authorized processing point has both accepted for processing and confirmed or has a reason to believe the discrepancy has occurred. For adjustment purposes, an SDR for non-receipt is considered validated when the shipping office determines the non-traceability of the shipment.

VERSION. A title given to the updates (every 3 years) of a Defense Logistics Management Standard that has officially been approved by ASC X12.

WAR MATERIEL REQUIREMENT. The quantity of an item required to equip and support the approved forces specified in the current Secretary of Defense guidance through the period prescribed for war materiel planning purposes.

WHOLESALE STOCK. Stock, regardless of funding sources, over which the IMM has asset knowledge and exercises unrestricted asset control to meet worldwide inventory management responsibilities. (See DoD 4140.1-R.)

WIDE AREA WORK FLOW - RECEIPT and ACCEPTANCE (WAWF-RA). WAWF-RA is the designed program to automate Commercial Invoices and Government Receiving Reports in a web-based, paperless environment. WAWF-RA electronically captures and coordinates the four basic pieces of the payment process. WAWA-RA users input their invoices and receiving reports by transition or via the Internet. These are compared to contracts stored in the Defense Finance Accounting System (DFAS) - Electronic Document Access (EDA) system. Once the invoice and receiving reports are approved and processed, payment transactions are initiated via Electronic File Protocol (EFT) to the contractor’s bank account.

WOOD PACKAGING MATERIEL (WPM). Wood or wood products (excluding paper products) used in supporting, protecting, or carrying a commodity (includes dunnage). Examples of WPM include but are not limited to pallets, skids, pallet collars, containers, crates, boxes, cases, bins, reels, drums, load boards, and dunnage. Wood packaging made of exempt materiels but combined with solid wood components must still be treated and marked. WPM does not include processed wood materiels and manufactured wood products.

WRONG ITEM. Any incorrect or misidentified item or unacceptable substitute item received requiring submission of a discrepancy report. See also, MISIDENTIFIED ITEM and INCORRECT ITEM.

AP3. APPENDIX 3

ACRONYMS AND ABBREVIATIONS

ACRONYM OR ABBREVIATION	DEFINITION
AAC	Activity Address Code
ACRN	Accounting Classification Reference Number
ADC	Approved DLMS Change
ADP	Automatic Data Processing
AF	Air Force
AFAO	Approved Force Acquisition Objective
AFJMAN	Air Force Joint Manual
AFR	Air Force Regulation
AIN	Assemblage Identification Number
AIS	Automated Information System
AIT	Automatic Identification Technology
ALIN	Agreement Line Item Number
AMC	Air Mobility Command
AMC	Army Materiel Command
AMMA	Army Medical Materiel Agreement
AMCL	Approved MILS Change Letter (i.e. MILSTRIP, MILSTRAP, MILSBILLS)
ANMCS	Anticipated Not-Mission-Capable Supply
ANSI	American National Standards Institute
ANSI ASC X12	American National Standards Institute Accredited Standards Committee X12
AP	Abandoned Property
APO	Army or Air Force Post Office
APOD	Aerial Port of Debarkation
APOE	Aerial Port of Embarkation
AR	Army Regulation
AR	Acceptance Report
ARI	Advanced Receipt Information
ASAM	Aviation Safety Action Message
ASC	Accredited Standards Committee

ACRONYM OR ABBREVIATION	DEFINITION
ASD(L&MR)	Assistant Secretary of Defense (Logistics & Materiel Readiness)
ASN	Advance Shipping Notice
ATTN	Attention
BAC	Billing Account Code
BDN	Build Directive Number
BII	Basic Issue Item
BL	Bill of Lading
BOM	Bill of Materiel
BRAC	Base Realignment and Closure
CA	Certificate Availability
CAC	Common Access Card
CAGE	Contractor and Government Entity
CAM	Chemical Agent Monitor
CAO	Central Accounts Office(s)
CAO	Contract Administration Office
CAP	Civil Air Patrol
CAP	Contractor Acquired Property
CAS	Contract Administration Service
CBL	Commercial Bill of Lading
CCI	Controlled Cryptographic Items
CCP	Consolidation and Containerization Point
CCR	Central Contractor Registration
CCSA	Change Control Status Accounting
CCSS	Commodity Control Supply System
CCYYMMDD	Century Century Year Year Month Month Day Day
CD-ROM	Compact Disk-Read-Only Memory
CJCS	Chairman of the Joint Chiefs of Staff
CFL	Computers for Learning
CFM	Contractor Furnished Materiel
CFR	Code of Federal Regulations
CIIC	Controlled Inventory Item Code
CIM	Critical Item Management

ACRONYM OR ABBREVIATION	DEFINITION
CLIN	Contract Line Item Number
CLSSA	Cooperative Logistics Supply Support Arrangement
CMOS	Cargo Movement Operations System
CO	Contracting Officer
COG	Cognizance Code (Navy)
COMSEC	Communications Security
COMMRI	Communication Routing Identifier
CONEX	Container Express
CONUS	Continental United States
COSIS	Care of Supplies in Storage
COTS	Commercial-Off-The-Shelf
CR	Country Representative (FMS)
CR/FF	Country Representative/Freight Forwarder
CRII	Customer Return Improvement Initiative
CSI	Critical Safety Item
CSP	Central Service Point
DAAS	Defense Automatic Addressing System
DASD(SCI)	Deputy Assistant Secretary of Defense (Supply Chain Integration)
DBR	Detail Billing Record
DCMA	Defense Contract Management Agency
DCN	Disposal Consolidation Number
DD	Department of Defense (i.e., DD Form)
DD	Distribution Depot
DDE	Demand Data Exchange
DDN	Defense Data Network
DEPMEDS	DoD Deployable Medical Systems
DESEX	Defense Supply Expert System
DFARS	Defense Federal Acquisition Regulation Supplement
DFAS	Defense Finance and Accounting Service
DFAS-CO	Defense Finance and Accounting Service, Columbus
DFAS-IN	Defense Finance and Accounting Service, Indianapolis Center
DFSP	Defense Fuel Support Point
DI	DEMIL Instructions

ACRONYM OR ABBREVIATION	DEFINITION
DIC	Document Identifier Code
DII	Defense Information Infrastructure
DISA	Data Interchange Standards Association
DISA	Defense Information Systems Agency
DISN	Defense Information Systems Network
DLA	Defense Logistics Agency
DLAI	Defense Logistics Agency Instruction
DLAR	Defense Logistics Agency Regulation
DLM	Defense Logistics Manual
DLMS	Defense Logistics Management Standards
DLR	Depot Level Repairable
DLSS	Defense Logistics Standard Systems
DM	Data Maintenance
DMISA	Depot Maintenance Inter-Service Support Agreement
DMLSS	Defense Medical Logistics Standard Support
DNA	Defense Nuclear Agency
DoD	Department of Defense
DoDAAC	Department of Defense Activity Address Code
DoDAAD	Department of Defense Activity Address Directory
DoDD	Department of Defense Directive
DoE	Department of Energy
DPAP	Defense Procurement and Acquisition Policy
DPM	Direct Procurement Method
DRC	Disposal Release Confirmation
DRO	Disposal Release Order
DSAMS	Defense Security Assistance Management System
DSS	Distribution Standard System
DTC	Delivery Term Code
DTEB	Defense Transportation Electronic Business
DTID	Disposal Turn-In Document
DTR	Defense Transportation Regulation
DTRA	Defense Threat Reduction Agency
DTS	Defense Transportation System
DUNS	Data Universal Numbering System

ACRONYM OR ABBREVIATION	DEFINITION
DVD	Direct Vendor Delivery
DWCF	Defense Working Capital Fund
EAC	Edit Action Code
EB	Electronic Business
EBS	Enterprise Business System
ECSS	USAF Expeditionary Combat Support System
EDA	Electronic Document Access
EDD	Estimated Delivery Date
EDI	Electronic Data Interchange
EID	Enterprise Identifier
ELIN	Exhibit Line Item Number
EMALL	Electronic Mall
EP	Exchange Pricing
ESD	Estimated Shipping Date
ES/EM	Electrostatic/Electromagnetic
ESP	Enterprise Service Provider
ETA	Electronic Transportation Acquisition
ETA	Estimated Time of Arrival
ETD	Effective Transfer Date
ETID	Electronic Turn In Document
EUC	End Use Certification
F/AD	Force or Activity Designator
FAA	Federal Aviation Administration
FAR	Federal Acquisition Regulation
FF	Freight Forwarder
FF&V	Fresh Fruit and Vegetables
FGS	Final Governing Standards
FLIS	Federal Logistics Information System
FMR	Financial Management Regulation
FMS	Foreign Military Sales
FOB	Free On Board
FPDW	FLIS Portfolio Data Warehouse

ACRONYM OR ABBREVIATION	DEFINITION
FPMR	Federal Property Management Regulation
FPO	Fleet Post Office
FRC	Fleet Readiness Centers (Navy)
FSC	Federal Supply Classification
FSG	Federal Supply Group
FV	Funds Verification
GA	Grant Aid
GAA	General Agency Agreement
GBL	Government Bill of Lading
GCSS	Global Combat Support System
GEX	Global Exchange eBusiness Gateway
GFM	Government Furnished Materiel
GIM	Gaining Inventory Manager
GSA	General Services Administration
HMIRS	Hazardous Materials Information Resource System
I&S	Interchangeability and Substitutability
IA	Industrial Activity
IAC	Issuing Agency Code
IC	Implementation Convention
ICAO	International Civil Aviation Organization
ICP	Inventory Control Point
IDE	Integrated Data Environment
IGC	Integrated Data Environment and Global Transportation Network Convergence
ILCO	International Logistics Control Office
ILP	International Logistics Program
ILS-S	Integrated Logistics System-Supply
IMM	Integrated Materiel Manager
IMET	International Military Education and Training
IPE	Industrial Plant Equipment
IMSP	Inventory Management and Stock Positioning

ACRONYM OR ABBREVIATION	DEFINITION
IPG	Issue Priority Group
IRRD	Issue Release/Receipt Document
IRRIS	Intelligent Road/Rail Information Server
ISV	In-Storage Visibility
IT	Information Technology
ITV	In-Transit Visibility
IUID	Item Unique Identification
JCS	Joint Chiefs of Staff
JSA/LWCG	Joint Small Arms /Light Weapons Coordinating Group
LCN	Local Control Number
LCN	Location Control Number
LIM	Losing Inventory Manager
LMP	Army Logistics Modernization Program
LOA	Letter of Offer and Acceptance
LOGDRMS	Logistics Data Resources Management System
LOTS	Logistics On-Line Tracking System
LR	Logistics Reassignment
LRO	Lateral Redistribution Order
LSN	Local Stock Number
M&S	Media and Status
MAPAC	Military Assistance Program Address Code
MAPAD	Military Assistance Program Address Directory
MAT	Materiel Access Technology
MCA	Management Control Activity
MCN	Management Control Number
MCMC	Marine Corps Maintenance Centers
MCO	Marine Corps Order
MDA	Missile Defense Agency
MDN	Manufacturing Directive Number
MILS	Military Standard
MIL-STD	Military Standard

ACRONYM OR ABBREVIATION	DEFINITION
MILVAN	Military Van
MILSBILLS	Military Standard Billing System
MILSINQ	MILSBILLS Inquiry
MILSTRAP	Military Standard Transaction Reporting and Accountability Procedures
MILSTRIP	Military Standard Requisitioning and Issue Procedures
MIPR	Military Interdepartmental Purchase Request
MOA	Memorandum of Agreement
MOES	DoD EMall Manual Order Entry System
MOES	MILSTRIP Order Entry System
MOV	Materiel Obligation Validation
MPC	Material Processing Center
MRA	Materiel Receipt Acknowledgment
MRC	Materiel Release Confirmation
MRD	Materiel Release Denial
MRO	Materiel Release Order
MRP II	Manufacturing Resource Planning II
MSC	Military Sealift Command
MSCVAN	MSC Leased/Controlled SEAVAN or MILVAN
MSDS	Material Safety Data Sheet
MSL	Military Shipping Label
NAMF	NATO Missile Fire Installation
NAMI	Non-Army Managed Items
NARA	National Archives and Records Administration
NATO	North Atlantic Treaty Organization
NAVICP	Navy Inventory Control Point
NAVILCO	Navy International Logistics Control Office
NAVSUPINST	Naval Supply System Command Instruction
NDLR	Navy Depot Level Repairable
NIIN	National Item Identification Number
NIMS	National Inventory Management Strategy
NIMSC	Nonconsumable Item Materiel Support Code
NMCS	Not-Mission-Capable Supply

ACRONYM OR ABBREVIATION	DEFINITION
NO.	Number
NOA	Notice of Availability
NOAA	National Oceanic and Atmospheric Administration
NRC	Nuclear Regulatory Commission
NSN	National Stock Number
NSN	NATO Stock Number
NSY	Naval Shipyards
NWRM	Nuclear Weapons Related Materiel
OCONUS	Outside Continental United States
OMR	Offer of Materiel Report
OPTEMPO	Operating Tempo
OSD	Office of the Secretary of Defense
OUSD(C)	Office of the Undersecretary of Defense (Comptroller)
OWMR	Other War Materiel Requirement
OWRMR	Other War Reserve Materiel Requirement
OWRMRP	Other War Reserve Materiel Requirement Protectable
PBL	Performance Based Logistics
PC&H	Packing, Crating, and Handling
PCH&T	Packing, Crating, Handling, and Transportation
PCO	Procuring Contract Officer
PD	Priority Designator
PDC	Proposed DLMS Change
PIC	Positive Inventory Control (USAF)
PICA	Primary Inventory Control Activity
PICD	Physical Inventory Cutoff Dates
PICP	Physical Inventory Control Program
PIIN	Procurement Instrument Identification Number
PKI	Public Key Infrastructure
PM	Pipeline Measurement
PMR	Prepositioned Materiel Receipt
PO	Purchasing Office
POC	Point of Contact

ACRONYM OR ABBREVIATION	DEFINITION
POD	Port of Debarkation
POE	Port of Embarkation
POL	Petroleum, Oil, and Lubricants
PQDR	Product Quality Deficiency Report
PRC	Process Review Committee
pRFID	Passive Radio Frequency Identification
PRN	Procurement/Purchase Request Number
PWR	Pre-Positioned War Reserve
PWRMR	Pre-Positioned War Reserve Materiel Requirement
PWRMRP	Pre-Positioned War Reserve Materiel Requirement Protectable
PWRMS	Pre-Positioned War Reserve Materiel Stock
QSL	Quality Status Listing
QUP	Quantity Unit Pack
RAD	Required Availability Date
RATTS	Radiation Testing and Tracking System
RBI	Reutilization Business Integration
RCN	Report Control Number
RCS	Reports Control Symbol
RDD	Required Delivery Date
RDO	Redistribution Order
RDP	Required Delivery Period
REPSHIP	Report of Shipment
RFID	Request for Implementation Date
RHF	Requisition History File
RHICS	Regional Hazardous Inventory Control System
RIC	Routing Identifier Code
RIP	Receipt-In-Place
RMDE	Reference Master Data Environment
ROP	Reorder Point
RORO	Roll On/Roll Off
RP	Record Position

ACRONYM OR ABBREVIATION	DEFINITION
S/A	Service/Agency
SA/LW	Small Arms/Light Weapons
SAO	Security Assistance Organization
SARSS	Standard Army Retail Supply System
SBSS	Standard Base Supply System
SCA	Stock Control Activity
SCAC	Standard Carrier Alpha Code
SCC	Supply Condition Code
SDD	Standard Delivery Date
SDDC	Military Surface Deployment and Distribution Command
SDR	Supply Discrepancy Report
SDI	Retail Storage and Distribution Interface
SEATO	Southeast Asia Treaty Organization
SEAVAN	Commercial/Government-Owned/Leased Shipping Container
SECNAVINST	Secretary of the Navy Instruction
SF	Standard Form
SHAPE	Supreme Headquarters, Allied Powers, Europe
SICA	Secondary Inventory Control Activity
SII	Special Instruction Indicator
SLES	Shelf-Life Extension System
SMCA	Single Manager for Conventional Ammunition
SOF	Safety of Flight
SOS	Source of Supply
SOU	Safety of Use
SPIIN	Supplementary Procurement Instrument Identification Number
SPR	Special Program Requirement
SQCR	Storage Quality Control Report
SR	Stock Readiness
SSA	Supply Support Activity
SS&D	Supply Storage and Distribution
SSF	Single Stock Fund
SUPPADD	Supplementary Address
TAC	Transportation Account Code

ACRONYM OR ABBREVIATION	DEFINITION
TAC	Type Address Code
TAMMS	The Army Maintenance Management System
TAV	Total Asset Visibility
TCMD	Transportation Control and Movement Document
TCN	Transportation Control Number
TDR	Transportation Discrepancy Report
TEDB	The Army Maintenance Management System (TAMMS) Equipment Data Base
TEWLS	Theater Enterprise-Wide Logistics System
TIN	Tax Payer Identification Number
TRDM	USTRANSCOM Reference Data Management
TS	Transaction Set
TSDC	Transportation to Supply Documentation Correlation
TVR	Tailored Vendor Relationships
UDF	Uniform Data File
U/I	Unit of Issue
UIC	Unit Identification Code
UID	Unique Identification
UII	Unique Item Identifier
UIT	Unique Item Tracking
UITC	Unique Item Tracking Committee
UITDC	Unique Item Tracking Designator Code
UMMIPS	Uniform Materiel Movement and Issue Priority System
UN	United Nations
UND	Urgency of Need Designator
UPS	United Parcel Service
U.S.	United States
USA	United States Army
USAF	United States Air Force
USAMMA	United States Army Medical Materiel Agency
USCG	United States Coast Guard
USDAO	United States Defense Attaché Office
USMC	United States Marine Corps

ACRONYM OR ABBREVIATION	DEFINITION
USN	United States Navy
USPS	United States Postal Service
USTRANSCOM	United States Transportation Command
VAN	Value Added Network
VIN	Vehicle Identification Number
WAWF	Wide Area Work Flow
WAWF-RA	Wide Area Work Flow - Receipt and Acceptance
WCF	Working Capital Funds
WebSDR	Web Supply Discrepancy Report
WEBVLIPS	Web Visual Logistics Information Processing System
WMR	War Materiel Requirement
WP	Wash Post
WPM	Wood Packaging Materiel
WPOD	Water Port of Debarkation
WPOE	Water Port of Embarkation
WPP	Weapons Production Program
XML	eXtensible Markup Language
XSD	XML Schema Definition

AP4. APPENDIX 4

DLSS/DLMS CONVERSION GUIDE

AP4.1. Three sets of conversion guides contain a cross reference of DoD domain codes (data item codes) to American National Standards Institute (ANSI) Accredited Standards Committee (ASC) X12 domain code values. All three conversion guides must be implemented in DoD systems using ANSI ASC X12 transaction formats to convert DoD data value established in legacy system to the corresponding ANSI ASC X12 code values. The applicable conversion guides are available using the links provided below or from the DLA Logistics Management Standards Office Website www.dla.mil/j-6/dlmso/eApplications/LogDataAdmin/dlmsansiconverguides.asp:

CODE	TITLE
*9	TRANSPORTATION MODE OF SHIPMENT/TRANSPORTATION METHOD/TYPE CODE CONVERSION

www.dla.mil/j-6/dlmso/eApplications/LOG.NET/UIL/Log_Qualifiers/lqvqcDetails.aspx?code=*9

*A TYPE OF PACK CONVERSION GUIDE

www.dla.mil/j-6/dlmso/eApplications/LOG.NET/UIL/Log_Qualifiers/lqvqcDetails.aspx?code=*A

UNIT OF MATERIEL MEASURE (UNIT OF ISSUE/PURCHASE UNIT) CONVERSION GUIDE (available in three sorts).

*8 DoD Code Sequence:

www.dla.mil/j-6/dlmso/eApplications/LOG.NET/UIL/Log_Qualifiers/lqvqcDetails.aspx?code=*8

**8 ANSI ASC X12 Code Sequence:

www.dla.mil/j-6/dlmso/eApplications/LOG.NET/UIL/Log_Qualifiers/lqvqcDetails.aspx?code=**8

8 Alphabetic Name Sequence:

www.dla.mil/j-6/dlmso/eApplications/LOG.NET/UIL/Log_Qualifiers/lqvqcDetails.aspx?code=*8*

AP5. APPENDIX 5

DLMS TO DLSS CROSS-REFERENCE TABLES

AP5.1. The Defense Logistics Management Standards (DLMS) – Defense Logistics Standard System (DLSS) (legacy 80 record position format) cross reference tables provide the following information:

AP5.1.1. A cross-reference of each DLSS Document Identifier Code (DIC) (e.g., A01) to DLMS Implementation Convention, also known as DLMS Supplement, number (e.g. 511) for all DLSS legacy processes in two sequences: DIC sequence; DLMS transaction sequence.

DLSS DIC/DLMS Cross Reference Guide (DIC Sequence)

DLMS/DLSS DIC Cross Reference Guide (DLMS Sequence)

AP5.1.2. A Military Standard Transaction Reporting and Accountability Procedures (MILSTRAP) customer assistance aid consisting of correlation tables between MILSTRAP legacy DIC series, (e.g. .D4_, D6_, D7_, etc.) and DLMS provides general functional equivalency between each MILSTRAP DIC and DLMS Implementation Convention. In addition to identification of the DIC/DLMS basic cross-references, actual physical location of the applicable transaction type code(s) within each DLMS Implementation Convention and clarifying information required for defining a valid correlation are provided:

Correlation of MILSTRAP DIC Functionality to DLMS Transactions (DIC Sequence)

Correlation of DLMS Transaction to MILSTRAP DIC Functionality (DLMS Sequence)

.

AP6. APPENDIX 6

DEFENSE LOGISTICS MANAGEMENT STANDARDS CODE LISTS/QUALIFIERS

AP6.1. The Defense Logistics Management Standards (DLMS) Implementation Conventions, also known as DLMS Supplements, frequently employ a specific combination of data segments and data elements to convey encoded information. The DLMS Qualifiers represent a combination of DoD logistics functional data elements for which the authoritative source is Assistant Secretary of Defense (Logistics & Materiel Readiness) and data elements developed and maintained by other functional data administrators; but, are used in the DLMS, (e.g., procurement, finance, contract administration and personnel). Many of the listed data elements are registered under American National Standards Institute (ANSI) Accredited Standards Committee (ASC) X12 Data Element 1270 (Code List Qualifier Code) and are used in Data Segment LQ identifying the coded entry to its qualifier. The presence of an asterisk (*) in the qualifier code indicates either of the following conditions:

- The entry represents a conversion guide required or used in the legacy 80 record position Defense Logistics Standard Systems (DLSS)/DLMS translation process.
- The entry shows a secondary sequence of a data code within a qualifier (alphabetic/alphanumeric code sequence or clear-text name).
- The entry is a guide for cross-reference of DoD Document Identifier Codes (DIC) to DLMS ICs.
- The entry identifies a DoD managed code list (qualifier not in 1270)

AP6.2. DLMS Codes Lists/Qualifiers are available from the DLA Logistics Management Standards Office Website:
www.dla.mil/j-6/dlmso/eApplications/LOG.NET/UIL/Log_Qualifiers/LQHome.aspx

AP7. APPENDIX 7

DEFENSE LOGISTICS MANAGEMENT STANDARDS TRANSACTION FORMATS

AP7.1. DEFENSE LOGISTICS MANAGEMENT STANDARDS TRANSACTION FORMAT. Defense Logistics Management Standards (DLMS) transaction formats are stored on the DLA Logistics Management Standards Office Website www.dla.mil/j-6/dlmso/eLibrary/TransFormats/140_997.asp.

AP7.2. DEFENSE LOGISTICS STANDARD SYSTEM FORMATS. The DLA Logistics Management Standards Office Website contains a link to the legacy 80 record position Defense Logistics Standard System (DLSS) transactions associated with each DLMS transaction listed. www.dla.mil/j-6/dlmso/eLibrary/TransFormats/140_997.asp.

AP7.2. DEFENSE LOGISTICS MANAGEMENT STANDARDS TRANSACTION USAGE. DLMS Implementation Conventions, also known as DLMS Supplements, address how the standards are implemented. One transaction set may be used in several different functional areas or repeatedly within the same functional area. Each separate interpretation of the standards according to a specific usage is called an application. See Volume 1, Chapter 7, Standards and Conventions, for more information on DLMS transactions.

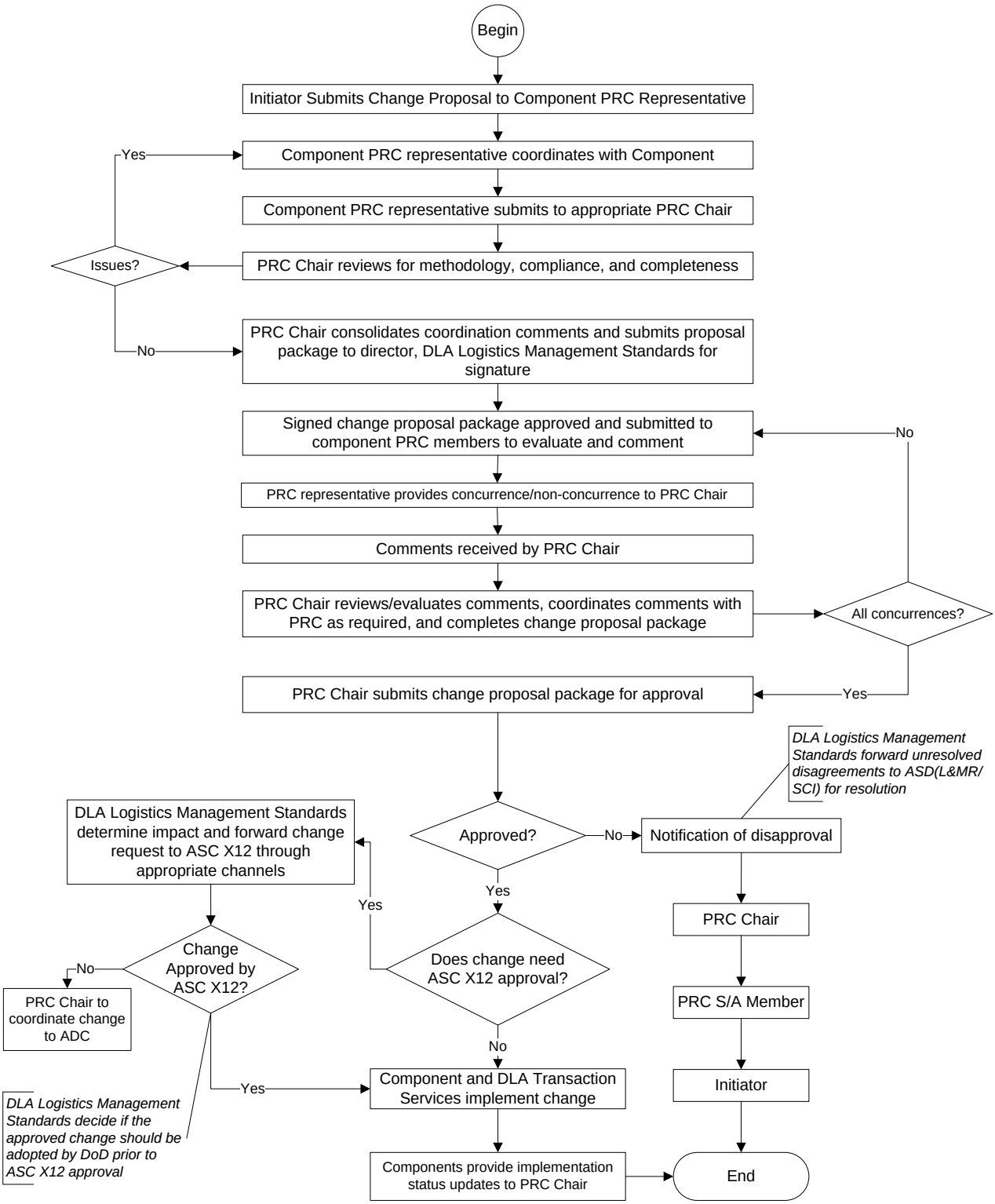
AP8. APPENDIX 8

TRANSACTION SET 997 IMPLEMENTATION CONVENTION – FUNCTIONAL ACKNOWLEDGEMENT

AP8.1. This implementation convention (IC) contains the format and establishes the data contents of the functional acknowledgement transaction set (997) for use within the EDI environment. This IC is used to acknowledge receipt and acceptance or rejection of a functional group and the transaction sets (ICs) contained therein based upon EDI translation software syntax edits. This IC does not cover the semantic meaning of the information encoded in the ICs. This IC is available on the DLA Logistics Management Standards Office Website:
www.dla.mil/j-6/dlmso/elibrary/TransFormats/140_997.asp.

AP9. APPENDIX 9

DLMS CHANGE PROCESS FLOW CHART



AP10. APPENDIX 10

DEFENSE LOGISTICS MANAGEMENT STANDARDS COMPLIANCE

AP10.1. DEFENSE LOGISTICS MANAGEMENT STANDARDS COMPLIANCE LEGISLATIVE & POLICY AUTHORITY CHAIN. To facilitate interoperability of logistics business functions across the global supply chain management system, the Defense Logistics Management Standards (DLMS) prescribe standard logistics business processes, business rules, information exchange formats and data standards. Transaction based information exchanges must be executed in the applicable DLMS format, including DLMS X12 Electronic Data Interchange (EDI) and DLMS eXtensible Markup Language (XML). Automated information systems executing business processes covered by the DLM 4000.25 series of manuals and interfacing with other systems in the performance of those processes must assert their compliance with the DLMS.

AP10.1.1. TITLE 10 UNITED STATES CODE § 2222

AP10.1.1.1. Specifies requirements for investment review and certification of defense business systems before funds, whether appropriated or non-appropriated, can be obligated.

AP10.1.1.2. Requires establishment of a Department-wide Business Enterprise Architecture (BEA).

AP10.1.1.3. Requires Business Process Reengineering (BPR) and alignment to the BEA.

AP10.1.1.4. Requires the establishment of a single Investment Review Board (IRB) chaired by the DoD Deputy Chief Management Officer (DCMO) and an investment management process.

AP10.1.2. Office of Deputy Chief Management Officer. The Office of Deputy Chief Management Officer (DCMO) issues guidance governing the following:

AP10.1.2.1. BEA development, maintenance, and compliance

AP10.1.2.2. IRB rules

AP10.1.2.3. Annual delivery of BEA for the Department of Defense (DoD) Business Mission Area (BMA) to help defense business system owners and program managers make informed decisions.

AP10.1.3. Defense Business Council/Investment Review Board. The Defense Business Council/Investment Review Board (DBC/IRB) oversees the implementation of the DCMO guidance through:

AP10.1.3.1. Review of business area functional strategies and approval of the Components' Organizational Execution Plans (OEPs) to implement the functional strategies.

AP10.1.3.2. Definition of the Department's target business environment and approval of the content for the DoD BEA. The BEA specifies the enterprise standards to which DoD business systems must adhere.

AP10.1.4. DoD Component Chief Information Officers. They must annually assert the following items for automated information systems under their purview:

AP10.1.4.1. BEA compliance of any business system with a total cost in excess of $1M over the period of the current future-years defense program (FYDP), regardless of type of funding or whether any development or modernization is planned.

AP10.1.4.2. BEA certifications using the Architecture Compliance and Requirements Traceability (ACART) Tool to provide an automated assessment of system compliance against the data standards, business rules, laws, regulations, and policies defined in the DoD BEA.

AP10.1.4.3. DLMS compliance for any business system with a total cost less than $1M over the FYDP, but which executes business processes covered by the DLM 4000.25 series of manuals.

AP10.1.5. Defense Logistics Management Standards. DLMS are authorized by the following DoD policy documents:

AP10.1.5.1. DoD Directive 8190.1, "DoD Logistics Use of Electronic Data Interchange (EDI) Standards"

AP10.1.5.1.1. Directs that DLA Logistics Management Standards Office serve as the Department's executive agent for DLMS change management,

AP10.1.5.1.2. Establishes the American National Standards Institute (ANSI) Accredited Standard Committee (ASC) X12 as the baseline logistics data exchange standard upon which the DLMS are based, and

AP10.1.5.1.3. Requires the DoD Components to implement the DLMS in all AISs that perform business functions covered by the DLM 4000.25 series of manuals.

AP10.1.5.2. DoD Instruction 4140.01, "DoD Supply Chain Materiel Management Policy" authorizes and directs publication of the 4000.25 series of Defense Logistics Manuals (DLM).

AP10.1.5.3. DoD 4140.1-R, "DoD Supply Chain Materiel Management Regulation" directs that the DLMS serve as the primary system governing logistics functional business management standards and practices.

AP10.1.6. DoD Acquisition and Logistics Functional Strategy, FY 2013

AP10.1.6.1. Identifies the DLMS as an enterprise standard,

AP10.1.6.2. Sets the target for Component Automated Information Systems to be "Fully DLMS compliant by 2019." This target fulfills the requirement to increase the level of data and process standardization.

AP10.2 DEFENSE LOGISTICS MANAGEMENT STANDARDS IS A BUSINESS ENTERPRISE ARCHITECTURE ENTERPRISE STANDARD

AP10.2.1. The DLMS are included in the DoD BEA as a mandatory enterprise standard of the DoD architecture's target business environment.

AP10.2.2. The DLMS are a set of artifacts documenting logistics business management standards whose implementation in automated information systems ensures interoperability within and across functional domains. The DLMS interpret, prescribe, and implement DoD policy in multiple functional areas including specifically supply, transportation, acquisition (contract administration), maintenance, and finance. The DLMS document the approved standard business processes and the supporting business rules, information exchanges, and data standards. As an enterprise standard, the DLMS are applicable to all the DoD Components and by agreement, to external organizational entities conducting logistics business operations with DoD including (a) non-Government organizations, both commercial and nonprofit; (b) agencies of the U.S. Government other than DoD; (c) State and Local Government entities; (d) foreign national governments; and (e) international government organizations.

AP10.2.3. DLMS Business Processes & Rules are published in the DLM 4000.25 series of manuals authorized by DoDI 4140.01. The DLMs are available at: www.dla.mil/j-6/dlmso/elibrary/manuals/dlm/dlm_pubs.asp The DLMS Information Exchanges supporting the business rules and processes are available at: www.dla.mil/j-6/dlmso/elibrary/TransFormats/140_997.asp The DLMS Data used by the business and processes and conveyed in the DLMS Information Exchanges can be found at: www.dla.mil/j-6/dlmso/eApplications/LOG.NET/UIL/Default.aspx

AP10.3 COMPONENT CERTIFICATION OF COMPLIANCE WITH THE BEA ENTERPRISE STANDARD "DEFENSE LOGISTICS MANAGEMENT STANDARDS"

AP10.3.1. The Component ACART certification of a system's DLMS Compliance is a two step approach.

AP10.3.1.1. Step 1: Applicability of the DLMS. Determine if the DLMS are applicable to the system under review. If the DLMS are not applicable to the functional processes supported by the system under review, then no DLMS compliance certification is necessary. The determination of applicability is made by reviewing functional business processes that the system supports and determining whether or not the system under review exchanges transactional information with other systems to execute its business processes.

AP10.3.1.1.1. Systems that are within the DLMS functional scope are those that support business functions covered by the DLM 4000.25 series of manuals. The

system under review may identify DLMS applicability for all or selected individual business processes supported by the DLMS. A review of the DLM 4000.25 series manuals "Tables of Contents" is a quick way to identify the specific business processes supported by the DLMS.

AP10.3.1.1.2. Systems that are within the DLMS functional scope and are dependent on incoming transactions or exiting transactions to support those functional processes can compare the systems transactions to the transactions identified within the DLM 4000.25 series of manuals to ascertain the scope of information exchange impacts.

AP10.3.1.2. Step 2: DLMS Compliance Determination. Step 2 begins with the finding in Step 1 that the DLMS are applicable to functional processes supported by the system under review. The following describe several levels of compliance. A determination of Level 1, "Basic DLMS Compliance" is required for a Component to make the assertion that the system is DLMS Compliant within the ACART tool.

AP10.3.1.2.1. Level 0: DLMS NON-COMPLIANT. A system is declared DLMS Non-compliant when it

- executes business processes covered by the DLM 4000.25 series of manuals,
- interfaces with other systems in the performance of those processes, but does not adhere to the DLMS standard processes, business rules, information exchange formats, or data standards, and
- there are no active efforts to implement the DLMS.

Transaction based information exchanges must be executed in the applicable DLMS format including DLMS X12 EDI and DLMS XML. The DLMS are a broad-based body of logistics management, responsibilities, procedures, business rules, data and information exchange standards that are documented in the DLMS Manual and Approved DLMS Changes (ADCs) published and posted to the DLA Logistics Management Standards Office Website.

AP10.3.1.2.2. Level 1: BASIC DLMS COMPLIANCE. A system is declared Basic DLMS Compliant when it

- executes business processes covered by the DLM 4000.25 series of manuals,
- has the capability to interface with other systems using the standard DLMS transactions (either DLMS EDI or DLMS XML), and
- implements the DLMS basic business function rules and data standards.
- Basic business process rules, formats, and data conform to those prescribed by legacy MILSTRIP, MILSTRAP, and MILSBILLS.
- At a minimum, the system must be capable of communicating via DLMS transactions equivalent to the legacy 80 record position transactions, but may not have implemented all the applicable enhanced capabilities of the DLMS.

While the system has not fully implemented all of the applicable DLMS enhancements, it has begun doing so, and has detailed plans and actions ongoing to reach full DLMS compliance.

These systems are characterized as Level 1 and are considered to have reached basic DLMS Compliance for BEA/IRB compliance certification purposes.

AP10.3.1.2.3. Level 2: ENHANCED DLMS COMPLIANCE. A system is declared "Enhanced DLMS Compliant" when it

- executes business processes covered by the DLM 4000.25 series of manuals.
- has the capability to interface with other systems using the standard DLMS transactions (either DLMS EDI or DLMS XML),
- implements DLMS basic business function rules, formats and data standards, and
- has implemented the preponderance of applicable DLMS enhancements.

While the system has not fully implemented all of the applicable DLMS enhancements, it has detailed plans and actions ongoing to reach full DLMS compliance. Systems are characterized as Level 2 and are considered to have reached Enhanced DLMS Compliance for BEA/IRB compliance certification purposes.

AP10.3.1.2.4. Level 3: FULL DLMS COMPLIANCE. A system is declared "Full DLMS Compliant" when it

- executes business processes covered by the DLM 4000.25 series of manuals,
- has the capability to interface with other systems using the DLMS transactions (either DLMS EDI or DLMS XML),
- implements the DLMS basic business function rules, formats and data standards, and
- has implemented all of the applicable DLMS enhancements.

These systems are characterized as Level 3 and are considered to have reached Full DLMS Compliance for BEA/IRB compliance certification purposes.

AP10.3.2. The IRB will actively monitor Component ACART certifications of a system's level of DLMS Compliance. For those systems that are not at Level 3 Fully DLMS Compliant, the IRB will review Component plans and ongoing actions to ensure the appropriate resources and priority are being applied to enable the system to be declared Level 3 Fully DLMS Compliant.

AP10.3.3. As new DLMS enhancements are approved for implementation, Components must continually update the Component ACART certifications to ensure the system is remaining current with DLMS. It is possible for a system that was declared Level 3 Fully DLMS Compliant to revert to Level 2 if new DLMS enhancements have not been implemented. If this occurs, the Component must submit to the IRB detailed plans and demonstrate ongoing actions for implementing the new DLMS enhancements.