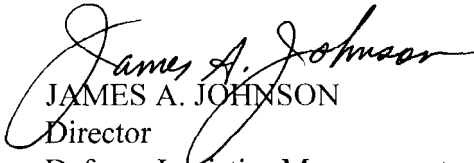IN REPLY
REFER TO

DLMS

FEB 1 5 2005

MEMORANDUM FOR: SUPPLY PROCESS REVIEW COMMITTEE MEMBERS

SUBJECT: Approved Defense Logistics Management System (DLMS) Change (ADC)156, Inclusion of Data Supporting Unique Identification (UID) of Items in DLMS Supplement 947I, Inventory Adjustment (Supply) (Staffed by PDC 160)

   The attached change to DOD 4000.25-M, DLMS, is approved for implementation. The updated DLMS Supplement will be posted to the Defense Logistics Management Standards Office (DLMSO) Web site (http://www.dla.mil/j-6/dlmso/ICs/Default.htm) within 30 days from the above date for implementation planning. DLMSO will submit concurrently any necessary revisions to the governing Federal Implementation Convention to the DOD Electronic Data Interchange Standards Management Committee, and the Federal Electronic Data Interchange Standards Management Coordinating Committee, and applicable working groups.

   Addressees may direct questions to the DLMSO point of contact, Ms. Mary Jane Johnson, 703-767-0677, DSN 427-0677, or e-mail: Mary.Jane.Johnson@dla.mil. Others must contact their Component designated Supply Process Review Committee representative.

JAMES A. JOHNSON
Director
Defense Logistics Management
Standards Office

Attachment

cc:
ADUSD SCI
Unique Item Tracking Committee
Joint Small Arms Coordinating Group
Joint Physical Inventory Working Group

ATTACHMENT TO APPROVED DLMS CHANGE (ADC) 156
Inclusion of Data Supporting Unique Identification (UID) of Items in
DLMS Supplement 947I, Inventory Adjustment (Supply)

1. ORIGINATOR:

   a.   **Service/Agency:** Defense Logistics Management Standards Office (DLMSO)

   b.   **Sponsors:**

   (1) Unique Item Tracking Committee Chair: Mary Jane Johnson, DLMSO/J-6251,
703-767-0677 (DSN 427), e-mail: Mary.Jane.Johnson@dla.mil

   (2) Supply Process Review Committee Chair: Ellen Hilert, DLMSO/J-6251, 703-767-
0676 (DSN 427), e-mail: Ellen.Hilert@dla.mil

2. REFERENCES:

   a. All DLMS Supplements (DS) listed in this memorandum are posted to the DLMSO Web site
at http://www.dla.mil/j-6/dlmso/elibrary/TransFormats/x12.asp. Federal Implementation
Conventions (IC) are available at http://fedebiz.disa.mil/cgi/advsearch.cgi.

   b. Unique identification (UID) policy and associated documentation is available at:
http://www.acq.osd.mil/dpap/UID/.

   c. Unique item tracking (UIT) policy is published in DOD 4140.1-R, DOD Supply Chain
Materiel Management Regulation, Chapter 5, section C5.7.3. DOD 4140.1-R is available at:
http://www.dtic.mil/whs/directives/corres/html/41401r.htm.

3. FUNCTIONAL AREA: Primary: Supply

4. REQUESTED CHANGE:

   a. **Title:**   ADC 156, Inclusion of Data Supporting Unique Identification (UID) of Items in
DLMS Supplement 947I, Inventory Adjustment

   b. Description of Change: This change updates DLMS supplement 947I to carry unique item
identifier (UII) data for unique identification (UID) of assets. Component system changes which
are required to support the integration of UII data are not identified in this change and must be
addressed by the Components. The DLMS and DOD 4140.1-R, DOD Supply Chain Materiel
Management Regulation, provide for unique item tracking (formerly called serial number tracking)

for specific DOD UIT programs. The inclusion of UID UII data in the DLMS facilitates UIT for those items that fall under the UID policy criteria of 'serial managed' assets. Initial inclusion of the data in DLMS is intended to facilitate tracking by UII for DOD UIT programs, but it also positions DLMS transactions for wider use of UID if requirements are identified as UID logistics and financial implementation policies evolve.

    c.   **Procedures**: Modify DOD 4000.25-M, DLMS Manual as follows:

    (1) ADC 127 updated DLMS manual front matter to include unique item identification related definitions and acronyms as provided below for ease of review:

Terms and Definitions

Unique Identification (UID) 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.

Unique Item Identifier (UII). An identifier used in unique item tracking programs to uniquely identify an individual asset used within DOD. The UII may be derived from a DOD-approved commercially-accepted identification methodology [e.g., Vehicle Identification Number (VIN)] or a composite structure defined by the DOD [refer to UID Construct 1 and UID 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. Regardless of which numbering system is used, the UII must include the Enterprise Identifier. Refer to OSD policy and supporting documentation for specific guidance at http://www.acq.osd.mil/dpap/UID/. Refer to MIL-STD-130L for specific guidance marking of U.S. Military property.

Acronyms and Abbreviations:

UII **Unique Item Identifier**

UID Unique Identification

    (2) This ADC complements and supports PDC 147, November 4, 2004, DLMS Unique Item Tracking (UIT) Procedures – New Chapter 19 (Supply/UIT). Please note that PDC 147 is currently being revised for staffing as PDC 147A, based on discussion at the December 9, 2004, Unique Item Tracking Committee meeting.

    (3) Modify DLMS Supplement (DS) 947I.   Mapping and associated notes for ANSI ASC X12 formats are identified in the table at paragraph 7 below. All changes are at the ANSI ASC X12 **Version 4030**. **Changes will be carried over to the DLMS XML equivalent transaction.** DS 947I intends to support the following data configuration.

        [1] The UIT loop (2/LX /150 loop) provides specific UID information and provides flexibility to accommodate tracking by UII or serial number. Providing for UIT by serial number is a transitional requirement which may be required until the Components fully implement the UID concept, and tracking by UII, across DOD.

        [2] The UIT loop is repeated for each item to be uniquely identified.

5. REASON FOR CHANGE:

a. OSD policy for UID states that the Unique Item Identifier (UII) shall be the primary or alternate pointer or key data element for the automated information systems. In support of this requirement, logistics transactions must identify the UII. This change incorporates the UII as defined under UID policy, within DLMS logistics exchange transactions.

b. A goal of unique identification of items is to help achieve clean audit opinions on DOD financial statements. As the Financial policy and requirements for UID evolve, they may influence future UID implementation in logistics transactions and systems.

c. The UII terminology that had been carried in DS 947I prior to this change was comparable to the serial number, but did not equate to a UII under the new DOD UID definition since a serial number lacks "uniqueness" when used alone. This change introduces the revised understanding of the term UII to DS 947I.

d. This change migrates DS 947I incorporating UID data to ANSI version 4030 to take advantage of the longer field length provided for reference identifier 127 in the N9 segment. Reference identifier 127 increased from 30 positions to 50 positions in ANSI version 4030. While the 50 position field length is still not adequate to carry the 78 position UII in one location, the increased length allows the UII to be carried in a combination of two data areas rather than three as would be required with a 30 position data field. DLMSO has submitted an ANSI data maintenance request to increase the reference identifier 127 field size to 80 positions, for future use.

6. ADVANTAGES AND DISADVANTAGES:

a. Advantages: Although specific logistics policy and requirements for implementing UID have not been defined, this ADC supports the UID concept by incorporating UID functionality in DS 947I, Inventory Adjustment transaction.

b. Disadvantages: None specifically identified; however UID implementation policy is evolving and additional changes may be required to modify or enhance the transactional exchange as outlined in this change.

7. IMPACT:

a. Automated Information Systems. Component system changes which are required to support the integration of UID UII data are not identified in this change and must be addressed by the Components.

b. Publication(s): DOD 4000.25-M, DLMS, Federal IC 947I and corresponding DLMS Supplements. Revisions to Federal ICs will be submitted to the EDISMC/Logistics Functional Work Group for coordination/approval. Revise Federal IC and DS for 947I as follows in the table below (no comments were received to PDC 160; DLMSO administrative changes from PDC 160 are ==highlighted==):

Item #	Location	DS 947I version 4030	Reason	Federal IC Impact
1.	DLMS Introductory Notes	Added new DLMS note 5 to read: **5.This transaction may be used to provide Unique Item Identifier (UII) information. Refer to the Unique Identification (UID) web at URL: http://www.acq.osd.mil/dpap/UID/ for DoD policy and business rules.**	To identify that UID data can be conveyed by this transaction, and the UID web URL	No impact as this is a new Federal IC in its entirety for version 4030.
2.	DLMS Introductory Notes	Changed former DLMS note 5 to DLMS note 6 and added ADC 156 title to list of DLMS Changes **6. This revision to the DLMS Supplement incorporates Proposed DLMS Change (PDC) and Approved DLMS Change (ADC) listed. PDCs/ADCs are available from the DLMSO web site http://www.dla.mil/j-6/dlmso/Changes.** **- ADC 156, Inclusion of Data Supporting Unique Identification (UID) of Items in DLMS Supplements 947I, Inventory Adjustment.**	Identifies DLMS Changes included in the DLMS Supplement	No impact as this is a new Federal IC in its entirety for version 4030.
3.	==2/W1905/0200==	Revise DLMS note 1 1. ==Use only one of code A1, A2, A4, FB, FS, MG, YP or ZZ to identify the material.== *Must use National Stock number (NSN) when known, except when appropriate brand name subsistence items are identified by the Subsistence Identification Number.*	Picks up administrative change to NSN note.	No impact as this is a new Federal IC in its entirety for version 4030.
4.	==2/W1905/0200==	==Delete DLMS note at code FS National Stock Number.==	Note is redundant. Note at W1905 level above addresses use of NSN.	No impact as this is a new Federal IC in its entirety for version 4030.
5.	==2/W1905/0200==	==Modify note for ZZ:== ==ZZ Mutually Defined== ==1. Use to identify nonstandard material when all other authorized codes do not apply or cannot be determined (includes management control numbers and locally assigned control numbers). May be used for DLSS-to-DLMS conversion when the translator cannot determine a more appropriate code.== ==2. DLMS enhancement; see introductory DLMS note 5a.==	Administrative. Updates note for consistency with other DS.	No impact as this is a new Federal IC in its entirety for version 4030.

Item #	Location	DS 947I version 4030	Reason	Federal IC Impact
6.	2/N103/1100	Add UR - Uniform Resource Locator with DLMS notes: UR Uniform Resource Locator (URL) **DLMS Note:** *1. Use when appropriate to identify a Component UIT registry.* *2. DLMS enhancement; see introductory DLMS note 4a.*	For consistency with DLMS UIT capability added to DS 140B.	No impact as this is a new Federal IC in its entirety for version 4030.
7.	2/LX/1500	Add new Federal note 1: *1. Use the 2/LX /1500 loop to provide Unique Identification (UID) information for the purpose of Unique Item Tracking (UIT).* *2. Use the LX segment as a counter to identify the number of 2/LX/1500 loop iterations in the transaction set.*	Identifies the purpose 2/LX/1500 loop	No impact as this is a new Federal IC in its entirety for version 4030.
8.	2/LX/1500	Revise and add LX segment DLMS notes: *1. Must use the 2/LX/1500 loop when the item identified in the 2/N1/1800 segment is subject to a UIT program to identify the unique item identifier (UII) or serial number.* *2. The 2/LX/1500 loop is repeated for each item to be uniquely identified and provides flexibility to accommodate tracking by UII or serial number.* *3. May use the 2/LX/1500 loop to provide batch/lot number information* *4. The entire 2/LX//1500 loop is a DLMS enhancement. See introductory DLMS note 4a.*	Identifies the purpose 2/LX/1500 loop	No impact as this is a new Federal IC in its entirety for version 4030.

Item #	Location	DS 947I version 4030	Reason	Federal IC Impact
9.	2/N9/1600	Revised N9 Segment notes to read: Federal Note: *Use to provide Unique Identification (UID) information for the purpose of Unique Item Tracking (UIT).* DLMS Notes: *1. Must use the 2/N9/1600 segment in Product Transfer and Resale Report (Issue) transactions when the item identified is subject to UIT requirements.* *2. This segment supports item identification based upon the UII or the serial number.* *3. This segment also provides for use of a batch/lot number, when applicable.* *4. Use multiple iterations of 2/N9/1600 segment within the 2/LX/1500 loop, to provide identifying information for an item as needed.* *5. Use in CAV Inventory Adjustment (Condition Code) Transactions to identify part numbers required to complete the repair/overhaul action and to provide an estimated receipt date for each item.* *6. DLMS enhancement. See introductory DLMS note 4a*	Identifies the purpose 2/N9/1600 segment.	No impact as this is a new Federal IC in its entirety for version 4030.
10.	2/N901/1600	Deleted qualifier "LT" and revised DLMS Note for qualifier "BT": *LT ~~Lot Number~~* BT Batch Number DLMS notes: *1. Use to identify the manufacturer's batch/lot number or other number identifying the production run.* **2. DLMS enhancement. See introductory DLMS note 4a.**	"BT" and "LT" Qualifiers have been combined. Batch/lot are one field in DOD AIT standards. This change eliminates a disconnect between AIT use of batch/lot as one field, and DLMS portrayal of the data as two separate data fields.	No impact as this is a new Federal IC in its entirety for version 4030.
11.	2/N901/1600	Revised DLMS note for qualifier "SE" to read: SE Serial Number DLMS Note: *1. Use to identify the serial number.* **2. DLMS enhancement. See introductory DLMS note 4a.**	Established data element for serial number distinct from UII data element.	No impact as this is a new Federal IC in its entirety for version 4030.

Item #	Location	DS 947I version 4030	Reason	Federal IC Impact
12.	2/N901/1600	Added qualifier "U3" w/ the following DLMS notes: *U3 Unique Supplier Identification Number* **DLMS Note:** **1. Use to identify the UII. Place UII value in N902.** *If UII is longer than 50 positions, place remainder of UII in N903.* **An ANSI data maintenance request has been prepared to request a new code qualifier for Unique Item Identifier for future use.** **2. DLMS enhancement. See introductory DLMS note 4a.**	Identifies the Unique Item Identifier (UII) value, and provides guidance for placement when UII value is longer than 50 positions. Per DOD UID policy, the UII can be up to 78 characters, however existing ANSI structure for the N9 segment does not provide a field large enough for a 78 position UII. To allow for the longer length, the UII value is split between 2 locations (N902 and N903). NOTE: DLMSO has submitted an ANSI data maintenance request to increase the reference identifier 127 field size (which is used at N902) to 80 positions, for future use.	No impact as this is a new Federal IC in its entirety for version 4030.
13.	2/N902/1600	Modified Data Element from "Must Use" to "Used" and added the following DLMS note: DLMS Note: *When N901 = U3, enter the UII value. If the UII value is greater than 50 positions, the value must be split between N902 and N903.*	Provides guidance or data placement when UII value is greater than 50 positions.	No impact as this is a new Federal IC in its entirety for version 4030.
14.	2/N903/1600	Opened N903 and added the following DLMS note: DLMS Note: *Use when N901 = U3 and UII value must be split between N902 and N903.*	Provides guidance for entry of UII.	No impact as this is a new Federal IC in its entirety for version 4030.