



DEFENSE LOGISTICS AGENCY
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IN REPLY
REFER TO

DLMSO

June 30, 2005

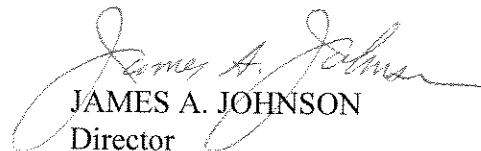
MEMORANDUM FOR SUPPLY PROCESS REVIEW COMMITTEE MEMBERS

SUBJECT: Approved DLMS Change (ADC) 170, Inclusion of Data Supporting UID of Items in DLMS Supplements 180M, Material Returns Reporting and 870M, Materiel Returns Supply Status (Supply) (Staffed as PDC 158)

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/dlms/ICs/Default.htm>) within 15 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.

This change is associated with a DLMS enhancement. DLMS procedures have not been developed. New data content may not be received or understood by the recipient's automated processing system. Therefore, Components must coordinate requirements and business rules with DLMSO prior to use.

Addressees may direct questions to the Defense Logistics Management Standards Office points of contact, Ms. Ellen Hilert, 703-767-0676, DSN 427-0676, or e-mail: Ellen.Hilert@dla.mil. or Ms. Aundra Rhone-Jones, DOD MILSTRIP System Administrator, 703-767-3630, DSN 427-3630, or e-mail: aundra.rhone-jones.dla.mil. Others must contact their Component designated representative.



JAMES A. JOHNSON
Director

Defense Logistics Management
Standards Office

Attachment

cc:

ADUSD(L)SCI

Unique Item Tracking Committee

APPROVED DLMS CHANGE (ADC) 170
Inclusion of Data Supporting UID of Items in DLMS Supplements 180M, Material Returns Reporting and 870M, Materiel Returns Supply Status (Supply)

1. ORIGINATOR:

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

b. Sponsors:

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

(2) Unique Item Tracking Committee Chair: Mary Jane Johnson, DLMSO/J-6251, 703-767-0677 (DSN 427), e-mail: Mary.Jane.Johnson@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/dlms0/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/Unique Item Tracking (UIT)

4. REQUESTED CHANGE:

a. Title: ADC 170, Inclusion of Data Supporting UID of Items in DLMS Supplements 180M, Material Returns Reporting and 870M, Material Returns Supply Status

b. Description of Change: This change updates DLMS supplements 180M and 870M 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 UII data in the DLMS

facilitates UIT for those items that fall under the UID policy criteria of 'serial managed' assets. Inclusion of the data in DLMS is intended to facilitate UIT by UII for DOD UIT programs.

c. Procedures:

(1) Previously Approved DLMS Change (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). PDC 147 is available from the DLMSO Web site at: <http://www.dla.mil/j-6/dlms/eLibrary/changes/proposed.asp>.

(3) Modify DLMS Supplements (DS) 180M and 870M. Mapping and associated notes for ASC X12 formats are identified in the table at paragraph 7 below. All changes are at the ASC X12 Version 4010. Changes will be carried over to XML equivalent transactions. DS 180M and 870M are intended to support the following data configuration.

[1] The UIT 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 (AIS). 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 Property, Plant and Equipment and Operating Materials and Supplies portions of DOD financial statements. As the Financial policy and requirements for UID evolve, they may influence or drive future UID implementation in logistics transactions and systems.

c. The UII terminology that had been carried in DS 180M and 870M 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 180M and 870M.

d. This change supports an AIT enabled Automatic Return Item (ARI) program and promotes visibility of material in the pipeline.

e. This change also includes administrative updates to DS 180M and 870M for consistency with other DS.

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 180M and 870M.

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 proposal. This change establishes the transaction format, but does not provide procedural guidance for the use of the additional UID data content. DLA comments associated with previous PDC for requisition/release order processing is applicable to this change as well: The allocation of data elements in EDI transactions is innocuous. However, if the implementation of this concept comes with the expectation of standing up a new process to perpetuate UID data, we have some concerns. The middleware (known as See Beyond software or the eGATE) must be programmed how to handle any and all data passed through it. If new data is introduced to an interface as fundamental as the inbound orders and outbound MROs, we would require a significant period of time to sufficiently design, build, and test the changes. We have not even identified where to store such data due to the lack of any formal process documentation. Without a clearly stated process for the flow of data and expectations by all interface partners, there are obvious concerns on the BSM side for how this will work.

7. IMPACT:

a. **AIS.** 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 180M and 870M and

corresponding DLMS Supplements. If needed, revisions to Federal ICs will be submitted to the EDISMC/Logistics Functional Work Group for coordination/approval. Revise Federal IC and DS for 180M and 870M as follows:

Item #	Location	DS 180M Revision	Reason	Federal IC Impact
1.	DLMS Introductory Notes	<p>Added new DLMS note 3 to read:</p> <p>3. 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.</p>	To identify that UID data can be conveyed by this transaction, and the UID web URL	No revision required
2.	DLMS Introductory Notes	<p>Changed former DLMS note 3 to DLMS note 4 and added ADC 170 and ADC 77 titles to list of DLMS Changes</p> <p>4. 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/dlmsso/Changes.</p> <p>- ADC 77, Air Force Unique Management Coding for Materiel Management Aggregation Code (MMAC) - ADC 170, Inclusion of Data Supporting Unique Identification (UID) of Items in DLMS Supplements 180M, Material Returns Reporting and 870M, Material Returns Supply Status</p> <p>Deleted former note 4.</p>	Identifies DLMS Changes included in the DLMS Supplement	No revision required
3.	2/LQ01/58	<p>Added Federal Note to read:</p> <p>Use any code.</p>	Administrative. DLMS Supplement authorizes specific qualifiers consistent with other DS.	Revision required
4.	2/LQ01/58	<p>Add qualifier GQ, Group Qualifier Code, as follows:</p> <p>GQ Group Qualifier Code</p> <p>DLMS Note: Use to identify the MMAC for NSNs to be managed by a specific manager (i.e., system, program, aggregation, selected FSC, technology group). This is an Air Force-unique data element, meaningful to the Air Force only. Non-Air Force Components perpetuate without action.</p> <p>A data maintenance action was approved in version 5010. The approved code/name is "MAC-Materiel Management Aggregation code". The code source is identified as the Air Force Manual (AFMAN) 23-110, Volumes 1 and 2.</p>	Administrative update to incorporate ADC 77.	No impact

Item #	Location	DS 180M Revision	Reason	Federal IC Impact
5.	2/N101/60	<u>Add Federal Note to read:</u> Use any code.	Administrative. DLMS Supplement authorizes specific qualifiers consistent with other DS.	Revision required
6.	2/N9/180	<u>Revised N9 Segment notes to read:</u> <u>Federal Note:</u> <i>Use the 2/N9/180 loop to provide Unique Identification (UID) information for the purpose of Unique Item Tracking (UIT).</i> <u>DLMS Notes:</u> 1. <i>Must use the 2/N9/180 loop in Material Returns Reporting (Issue) transactions when the item identified is subject to UIT requirements.</i> 2. <i>This transaction will support item identification based upon the UII or the serial number.</i> 3. <i>This transaction also provides for use of a batch/lot number.</i> 4. <i>The entire 2/N9/180 loop is a DLMS enhancement. See introductory DLMS note 2a.</i>	Identifies the purpose 2/N9/180 loop and explains use of batch/lot number.	Revision required
7.	2/N901/180	<u>Deleted qualifier "LT" and revised DLMS Note for qualifier "BT":</u> LT Lot Number BT Batch Number <u>DLMS notes:</u> 1. <i>Use to identify the manufacturer's batch/lot number or other number identifying the production run.</i> 2. <i>Use "BT" in 2/N901/180 when UII or serial number does not apply for the item.</i>	Explains use of batch/lot number in 2/N9/180 loop. "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 revision required
8.	2/N901/180	<u>Revised DLMS note for qualifier "SE" to read:</u> SE Serial Number 1. <i>Use to identify the serial number (when code U3 is not used). Use this qualifier for unique item tracking based upon the serial number.</i> 2. <i>DLMS enhancement. See introductory DLMS note 2a.</i>	Established data element for serial number distinct from UII data element.	No revision required

Item #	Location	DS 180M Revision	Reason	Federal IC Impact
9.	2/N901/180	<p>Added qualifier “U3” w/the following DLMS notes:</p> <p><i>U3 Unique Supplier Identification Number (USIN)</i></p> <p>1. Use to identify the UII. Place UII value in N903. Use this qualifier for unique item tracking based upon the UII. An ANSI data maintenance request has been prepared to request a new code qualifier for Unique Item Identifier for future use.</p> <p>2. DLMS enhancement. See introductory DLMS note 2a.</p>	Identifies the Unique Item Identifier (UII) value.	Revision required
10.	2/N902/180	<p>Modified Data Element from “Must Use” to “Used” and added the following DLMS note:</p> <p><u>DLMS Note:</u> Use to indicate serial number when N901=SE.</p>	Identifies the location of the serial number value when used.	Revision required
11.	2/N903/180	<p>Opened N903 and added the following DLMS note:</p> <p><u>DLMS Note:</u> Use to indicate UII value when N901=U3.</p>	<p>Identifies the location of the UII value when used.</p> <p>Per DOD policy, the DOD UID can be up to 78 characters. To allow for the longer length, the UII value is mapped to the REF03 ANSI text field (vice the shorter REF02 reference number field).</p>	Revision required

Item #	Location	DS 870M Revision	Reason	Federal IC Impact
1.	DLMS Introductory Notes	<p><u>Added new DLMS note 5 to read:</u></p> <p>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.</p>	To identify that UID data can be conveyed by this transaction, and the UID web URL	No revision required
2.	DLMS Introductory Notes	<p><u>Changed former DLMS note 5 to DLMS note 6 and added ADC 170 title to list of DLMS Changes</u></p> <p>6. This revision to the DLMS Supplement (DS) 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/dlms/Changes.</p> <p>- ADC 170, Inclusion of Data Supporting Unique Identification (UID) of Items in DLMS Supplements 180M, Material Returns Reporting and 870M, Material Returns Supply Status</p>	Identifies DLMS Changes included in the DLMS Supplement	No revision required
3.	1/N101/50	<p><u>Added Federal Note to read:</u></p> <p>Use any code.</p>	Administrative. DLMS Supplement authorizes specific qualifiers consistent with other DS.	Revision required
4.	2/REF01/87	<p><u>Added Federal Note to read:</u></p> <p>Use any code.</p>	Administrative. DLMS Supplement authorizes specific qualifiers consistent with other DS.	Revision required
5.	2/N101/90	<p><u>Added Federal Note to read:</u></p> <p>Use any code.</p>	Administrative. DLMS Supplement authorizes specific qualifiers consistent with other DS.	Revision required
6.	2/LQ01/145	<p><u>Added Federal Note to read:</u></p> <p>Use any code.</p>	Administrative. DLMS Supplement authorizes specific qualifiers consistent with other DS.	Revision required

Item #	Location	DS 870M Revision	Reason	Federal IC Impact
7.	2/REF01/300	<p><u>Added Federal Note to read:</u></p> <p>Use any code.</p>	Administrative. DLMS Supplement authorizes specific qualifiers consistent with other DS.	Revision required
8.	2/LQ01/330	<p><u>Added Federal Note to read:</u></p> <p>Use any code.</p>	Administrative. DLMS Supplement authorizes specific qualifiers consistent with other DS.	Revision required
9.	2/LQ01/330	<p><u>Updated DLMS note for qualifier "GQ"</u></p> <p>GQ Group Qualifier Code</p> <p>DLMS Note: Use to identify the MMAC for NSNs to be managed by a specific manager (i.e., system, program, aggregation, selected FSC, technology group). This is an Air Force-unique data element, meaningful to the Air Force only. Non-Air Force Components perpetuate without action.</p> <p>A data maintenance action was approved in version 5010. The approved code/name is "MAC-Materiel Management Aggregation code". The code source is identified as the Air Force Manual (AFMAN) 23-110, Volumes 1 and 2.</p>	Administrative update to incorporate ADC 77.	No impact
10.	2/REF/350	<p><u>Revised REF Segment notes to read:</u></p> <p>Federal Note: Use the 2/REF/350 loop to provide Unique Identification (UID) information for the purpose of Unique Item Tracking (UIT).</p> <p>DLMS Notes:</p> <ol style="list-style-type: none"> 1. Must use 2/REF/350 loop in Material Returns Supply Status transactions when the item identified is subject to UIT requirements. 2. This transaction will support item identification based upon the UII or the serial number. 3. This transaction also provides for use of a batch/lot number. 4. The entire 2/REF/350 loop is a DLMS enhancement. See introductory DLMS note 4a. 	Identifies the purpose 2/REF/350 loop and explains use of batch/lot number.	Revision required
11.	2/RE01/350	<p><u>Added Federal Note to read:</u></p> <p>Use any code.</p>	Administrative. DLMS Supplement authorizes specific	Revision required

Item #	Location	DS 870M Revision	Reason	Federal IC Impact
			qualifiers consistent with other DS.	
12.	2/REF01/350	<p>Deleted qualifier "LT" and revised DLMS Note for qualifier "BT":</p> <p>LT Lot Number</p> <p>BT Batch Number</p> <p><u>DLMS notes:</u></p> <p>1. Use to identify the manufacturer's batch/lot number or other number identifying the production run.</p> <p>2. Use 'BT' in 2/REF01/15350 when UII or serial number does not apply for the item. If both UII and serial number and batch/lot number is required, use REF01 for UII or serial number, and use REF04 for batch/lot number.</p>	<p>Explains use of batch/lot number in 2/N9/180 loop.</p> <p>"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.</p>	No revision required
13.	2/REF01/350	<p>Revised DLMS note for qualifier "SE" to read:</p> <p>SE Serial Number</p> <p>1. Use to identify the serial number (when code U3 is not used). Use this qualifier for unique item tracking based upon the serial number.</p> <p>2. DLMS enhancement. See introductory DLMS note 4a.</p>	Established data element for serial number distinct from UII data element.	No revision required
14.	2/REF01/350	<p>Added qualifier "U3" w/ the following DLMS notes:</p> <p>U3 Unique Supplier Identification Number (USIN)</p> <p>1. Use to identify the UII. Place UII value in REF03. Use this qualifier for unique item tracking based upon the UII. An ANSI data maintenance request has been prepared to request a new code qualifier for Unique Item Identifier for future use.</p> <p>2. DLMS enhancement. See introductory DLMS note 4a.</p>	Identifies the Unique Item Identifier (UII) value.	Revision required
15.	2/REF02/350	<p>Modified Data Element from "Must Use" to "Used" and added the following DLMS note:</p> <p><u>DLMS Note:</u> Use to indicate serial number when REF01=SE.</p>	Identifies the location of the serial number value when used.	Revision required
16.	2/REF03/350	<p>Opened REF03 and added the following DLMS note:</p> <p><u>DLMS Note:</u> Use to indicate UII value when REF01=U3.</p>	<p>Identifies the location of the UII value when used.</p> <p>Per DOD policy, the DOD UID can be up to 78 characters. To allow for the longer length, the UII value is mapped to the REF03 ANSI text field (vice the shorter</p>	Revision required

Item #	Location	DS 870M Revision	Reason	Federal IC Impact
			REF02 reference number field).	
17.	2/REF04/350	<p>Open 2/REF04/350 for use as follows:</p> <p><u>Add Federal note:</u></p> <p><i>Use any code.</i></p> <p><u>Add DLMS notes:</u></p> <p>1. Use REF04 to associate a batch/lot number with the UII or serial number identified in REF01.</p> <p>2. For DLMS use, only the following codes are authorized:</p> <p>BT Batch Number</p> <p><u>DLMS notes:</u></p> <p>1. Use to identify the manufacturer's batch/lot number or other number identifying the production run.</p> <p>2. Use 'BT' in REF04 when the associated UII or serial number is cited in REF01.</p>	Provides for use of a batch/lot number in addition to associated UII or serial number, when applicable.	Revision required.