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IN REPLY  
REFER TO

DLMSO

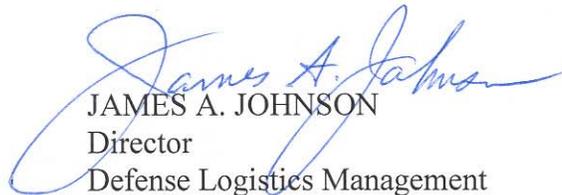
JUN 22 2005

MEMORANDUM FOR: SUPPLY PROCESS REVIEW COMMITTEE MEMBERS

SUBJECT: Approved Defense Logistics Management System (DLMS) Change (ADC) 171,  
Inclusion of Data Supporting Unique Identification (UID) of Items in DLMS  
Supplement 140A Small Arms Reporting (Supply/UID) (Staffed by PDC 162)

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 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 Defense Logistics Management Standards Office point of contact, Ms. Mary Jane Johnson, e-mail: [Mary.Jane.Johnson@dla.mil](mailto:Mary.Jane.Johnson@dla.mil). Others must contact their Component designated Supply PRC 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) 171**  
**Inclusion of Data Supporting Unique Identification (UID) of Items in**  
**DLMS Supplement 140A Small Arms Reporting (Supply) (Staffed by PDC 162)**

**1. ORIGINATOR:**

- a. Service/Agency:** Defense Logistics Management Standards Office (DLMSO)
  
- b. Sponsors:** MILSTRAP Administrator and Joint Small Arms Coordinating Group (JSACG) Chair, Mary Jane Johnson, DLMSO/J-6251, Email: 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.** DOD Small Arms Serialization Program (DODSASP) policy is published in DoD 4140.1-R, DOD Supply Chain Materiel Management Regulation. DoD 4140.1-R is available at: <http://www.dtic.mil/whs/directives/corres/html/41401r.htm>.
  
- d.** DODSASP procedures using DLMS are published in DOD 4000.25-M, DLMS, Volume 2, Supply, chapter 18.

**3. FUNCTIONAL AREA:** Primary: Supply

**4. REQUESTED CHANGE:**

**a. Title:** Inclusion of Data Supporting Unique Identification (UID) of Items in DLMS Supplement 140A Small Arms Reporting (Supply).

**b. Description of Change:**

(1) This change updates DLMS supplement 140A to carry the unique item identifier (UII) in support of DOD UID policy. Small arms fall under the UID criteria of 'serial managed' assets.

(2) DLMSO will staff a corresponding PDC to incorporate the UII in DS 888A, Small Arms Data Change.

(3) DLMS procedural changes necessary to address use of the UII for small arms will be staffed as a separate PDC to DLMS, Volume 2, chapter 18, Small Arms Serial Number Registration and Reporting.

(4) The Component system changes which are required to support the integration of UII data in their automated information systems (AIS) are not identified in this change and must be addressed by the Components

c. **Procedures:** Modify DoD 4000.25-M, DLMS, 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) Modify DLMS Supplement (DS) 140A. 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 4010**. Changes will be carried over to XML equivalent transactions. DS 140A intends to support the following data configuration.

[1] The UIT loop (2/LIN/90 loop) provides specific UID information and provides flexibility to accommodate UII or serial number. Providing for serial number may be a transitional requirement until the Components fully implement DOD UID policy.

[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. DS 140A and 888A are the DLMS transactions which incorporate the functionality of MILSTRAP DOD Small Arms Serialization Program (DODSASP) transactions (Document Identifier (DI) Codes DS\_ series of transactions). The MILSTRAP transactions were based on tracking by National Stock Number and serial number. Small arms are subject to DOD UID policy, and this change incorporates the UII into DS 140A in support of that policy. A separate PDC will be staffed to incorporate UII in DS 888A. The UII terminology that had been carried in DLMS 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 140A. Use of the UII is an enhanced DLMS capability which the MILSTRAP DS\_ series of transactions cannot accommodate.

c. The following table shows how the functionality of the MILSTRAP Small Arms transactions 3-position DI Codes DSC, DSD, DSF, DSM, and DSR, correlates to ANSI ASC X12 DS 140A beginning segment data (Table 1 (Header), BGN segment at position 20 (1/BGN/20)).

DI Code	MILSTRAP TITLE	DS #	DS Accredited Standards Committee (ASC) X12 Functional Equivalent to DI Code	
			Beginning Segment	Additional Information needed
DSC	Small Arms Correction	140A	1/BGN07/20 Transaction Type Code W5 – Weapons Control Report Reconciliation  With 1/BGN08/20 Action Code AC- Acknowledge	None
DSD	Small Arms Receipt/Shipment Follow-Up	140A	1/BGN07/20 Transaction Type Code W4 - Weapons Control Report  With 1/BGN08/20 Action Code T-Status Query	None

DI Code	MILSTRAP TITLE	DS #	DS Accredited Standards Committee (ASC) X12 Functional Equivalent to DI Code	
			Beginning Segment	Additional Information needed
DSF	Small Arms Reconciliation/Reject Follow-Up	140A	1/BGN07/20 Transaction Type Code W5 - Weapons Control Report Reconciliation  With 1/BGN08/20 Action Code T-Status Query	None.
DSM	Weapon Serial Number Control	140A	1/BGN07/20 Transaction Type Code W4 - Weapons Control Report	None.
DSR	Small Arms Reconciliation/Reject  When DSR is used as a reconciliation (rp 7 Small Arms Transaction Code = E), BGN07 code W5 applies and BGN08 is blank.  When DSR is used as a reject BGN07 code W5 applies WITH BGN08 Code U.	140A	1/BGN07/20 Transaction Type Code W5 - Weapons Control Report Reconciliation      For DSR as a reject: use BGN07 'W5' with 1/BGN08/20 Action Code U-Reject	For DSR as a reconciliation: 2/LQ01/87 code 'EX' (Small Arms Transaction Code) with code 'value 'E' (Use for intra-Component reconciliation of small arms serial numbers)

**6. ADVANTAGES AND DISADVANTAGES:**

**a. Advantages:** This ADC supports the UID policy by incorporating UID functionality in DS 140A Small Arms Reporting.

**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.

**7. IMPACT:**

**a. Automated Information Systems.** Component system changes which are required to support the integration of UID UII data must be addressed by the Components.

**b. Publication(s):** DOD 4000.25-M, DLMS, Federal IC 140A and corresponding DLMS Supplement. 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 140A as follows (changes from PDC 162 are **highlighted**):

Item #	Location	DS 140A (Small Arms reporting) Revision	Reason	Federal IC Impact
1.	DLMS Introductory Notes	<p><u>Revise DLMS introductory note 1:</u></p> <p><i>1. Use a single occurrence of this transaction set to transmit small arms information to one or more organizations. <b>This transaction encompasses the functionality of MILSTRAP Small Arms transactions, Document Identifier (DI) Codes DSC, DSD, DSF, DSM, and DSR.</b></i></p>	Administrative update.	No impact.
2.	DLMS Introductory Notes	<p><u>Added new DLMS note 4 to read:</u></p> <p><i>4. This transaction may be used to provide Unique Item Identifier (UII) information. Refer to the Unique Identification (UID) web at URL: <a href="http://www.acq.osd.mil/dpap/UID/">http://www.acq.osd.mil/dpap/UID/</a> for DoD policy and business rules.</i></p>	To identify that UID data can be conveyed by this transaction, and the UID web URL	No impact.
3.	DLMS Introductory Notes	<p><u>Changed former DLMS note 4 to DLMS note 5 and added ADC 171 and ADC 77 to list of DLMS Changes</u></p> <p><i>5. 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 <a href="http://www.dla.mil/j-6/dlms/Changes">http://www.dla.mil/j-6/dlms/Changes</a>.</i></p> <p><i>- ADC 77, Air Force Unique Management Coding for Materiel Management Aggregation Code (MMAC).</i></p> <p><b>-- ADC 171, Inclusion of Data Supporting Unique Identification (UID) of Items in DLMS Supplement 140A Small Arms Reporting (Supply/UID).</b></p>	Identifies DLMS Changes included in the DLMS Supplement	No impact.

Item #	Location	DS 140A (Small Arms reporting) Revision	Reason	Federal IC Impact
4.	1/BGN07/20	<p><u>Revise DLMS notes for codes W4 and W5 as follows:</u></p> <p><b>W4 Weapons Control Report</b></p> <p>DLMS Note: <i>Use when the transaction set contains a small arms report (MILSTRAP DI Code DSM functionality). Use with BGN08, code T, when the transaction set contains a small arms report inquiry (MILSTRAP DI Code DSD functionality).</i></p> <p><b>W5 Weapons Control Report Reconciliation</b></p> <p>DLMS Note: <i>Use when the transaction set contains a small arms reconciliation report.</i></p> <p><i>Use as follows:</i></p> <p><i>as an original reconciliation report (MILSTRAP DI Code DSR functionality when used as a reconciliation transaction); or as a rejection of a reconciliation report (use with BGN08 code U) (MILSTRAP DI Code DSR functionality when used as a reject); or as a correction to a previously submitted report which was rejected by the receiving registry (use with BGN08 code AC) (MILSTRAP DI Code DSC functionality).</i></p>	Administrative update to relate DS 140A functions to MILSTRP functionality for information only.	No impact.
5.	1/BGN08/20	<p><u>Revise DLMS note for code AC-Acknowledge:</u></p> <p>AC Acknowledge</p> <p>DLMS Note: <i>Use in conjunction with BGN07 code W5, when the transaction is used to correct a rejected transaction or missing reconciliation transaction (MILSTRAP DI Code DSC functionality).</i></p>	Updates note to clearly identify a correction consistent with the functionality of MILSTRAP DI Code DSC Small Arms Correction.	Revision required.

Item #	Location	DS 140A (Small Arms reporting) Revision	Reason	Federal IC Impact
6.	1/BGN08/20	<p><u>Revise DLMS notes for codes T and U as follows:</u></p> <p>T Status Query</p> <p>DLMS Note:</p> <p>1. Use in conjunction with BGN07, code W4, when the transaction set contains a small arms report inquiry. (MILSTRAP DI Code DSD functionality).</p> <p>2. Use in conjunction with BGN07, code W5, when the transaction set contains a small arms reconciliation/reject inquiry (MILSTRAP DI Code DSF functionality).</p> <p>U Reject</p> <p>DLMS note: Use in conjunction with BGN07 code W5 when the transaction set contains a rejection of a small arms reconciliation report. (MILSTRAP DI Code DSR functionality when used as a reject)</p>	Administrative update to relate DS 140A functions MILSTRP functionality.	No impact.
7.	1/PER01/090	<p><u>Revise Federal note for code 'IC-Information Contact' to read as follows:</u></p> <p>IC Information Contact</p> <p>Federal Note:</p> <p><i>"Must use in the first repetition to identify the primary point of contact. <del>and their primary communication number.</del>"</i></p>	Administrative corrective. PER01/02 provides the contact name. The communication number appears in PER03/04.	Revision required.
8.	2/LQ01/087	<p><u>Delete code 79 'Priority Designator Code' and the corresponding DLMS note: "Recommend using in all requisitions."</u></p>	Administrative correction. Priority designator, and a DLMS note for its use in requisitions, was inadvertently included in DS 140A.	No impact.
9.	2/LQ01/087	<p><u>Delete code AL- 'Special Requirements Code' which is used to identify the precedence, special handling, and processing requirements, and associated DLMS notes.</u></p>	Administrative correction. Code 'AL' was inadvertently added to DS 140A. Under DLSS this information was carried in the required delivery date field, which does not apply to this transaction.	No Impact.

Item #	Location	DS 140A (Small Arms reporting) Revision	Reason	Federal IC Impact
10.	2/LQ01/087	<p>Add DLMS notes to Code 0:</p> <p>0 Document Identification Code</p> <p><b>DLMS Note:</b></p> <p><b>1. The DLSS DI Code is retained in the DLMS to facilitate transaction conversion in a mixed DLSS/DLMS environment. Continued support in a full DLMS environment will be assessed at a future date.</b></p> <p><b>2. Future streamlined data; see introductory DLMS note 3c.</b></p>	Administrative update for consistency with other DS.	No impact.
11.	2/LQ01/087	<p>Added qualifier GQ, Group Qualifier Code, as follows:</p> <p>GQ Group Qualifier Code</p> <p><i>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, <b>when available.</b></i></p> <p><i>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.</i></p> <p><b>2. DLMS enhancement.</b></p>	<p>Administrative update to incorporate ADC 77.</p> <p>Revised note to add "when available" in response to DLA comment to PDC 162 that the depot system does not segregate assets by Service unique coding and so may not have the Service unique code available to perpetuate on subsequent actions against the assets.</p>	No impact.
12.	2/LQ01/087	<p>Revise the last sentence of the note for Service unique codes (COG, IMC, MCC, SMI) as follows:</p> <p><i>DLMS Note: ... This is a Navy-unique data element, meaningful to the Navy only; Non-Navy Components perpetuate without action, <b>when available.</b></i></p> <p><b>Add as DLMS Note 2 to COG, IMC, MCC, and SMI as follows:</b></p> <p><b>2. DLMS enhancement.</b></p>	Revised note to add "when available" in response to DLA comment to PDC 162 that the depot system does not segregate assets by Service unique coding and so may not have the Service unique code available to perpetuate on subsequent actions against the assets.	

Item #	Location	DS 140A (Small Arms reporting) Revision	Reason	Federal IC Impact
13.	2/LIN/090	<p><u>Revise Federal note as follows:</u></p> <p><i>Must use this 2/LIN/090 loop to identify unique identification information.</i></p>	Administrative update.	Revision required.
14.	2/LIN02/90	<p><u>Add the introductory DLMS enhancement note to qualifiers F4, MN, and SN:</u></p> <p>DLMS Note: DLMS enhancement. See introductory DLMS note 3.a</p>	Administrative update to identify DLMS enhancements.	No impact.
15.	2/LIN04/90	<p><u>Add the introductory DLMS enhancement note to qualifier ZB:</u></p> <p>DLMS Note: DLMS enhancement. See introductory DLMS note 3.a</p>	Administrative update to identify DLMS enhancements.	No impact.
16.	2/REF/130	<p><u>Revised REF Segment notes to read:</u></p> <p><u>Federal Note:</u> <i>Use to provide Unique Identification (UID) information for the purpose of Unique Item Tracking (UIT).</i></p> <p><u>DLMS Notes:</u> <i>1. Must use at least one repetition of the 2/REF01/130 segment for <b>Small Arms Reporting</b> transactions to provide small arms serial numbers or Unique Item Identifiers (UII).</i> <i>2. This segment supports item identification based upon the UII or the serial number.</i></p>	Identifies the purpose 2/REF/130 segment.	Revision required for Federal note.
17.	2/REF01/130	<p><u>Revised DLMS note for qualifier "SE" to read:</u></p> <p>SE Serial Number</p> <p>DLMS Note: <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></p>	Established data element for serial number distinct from UII data element.	No impact.
18.	2/REF01/130	<p><u>Added qualifier "U3" w/ the following DLMS notes:</u></p> <p>U3 Unique Supplier Identification Number</p> <p>DLMS Note: <i>1. Use to identify the UII. Place UII value in REF03. Use this qualifier for unique item tracking based upon the UII. A data maintenance action was approved in version 5020. The approved code/name is "UII-Department of Defense Unique Item Identifier".</i> <i>2. DLMS enhancement. See introductory DLMS note 3a.</i></p>	Established data element for UII distinct from serial number data element. Identifies the location for the Unique Item Identifier (UII) value which can be up to 78 characters.	No impact.

Item #	Location	DS 140A (Small Arms reporting) Revision	Reason	Federal IC Impact
19.	2/REF02/130	<u>Modified Data Element from "Must Use" to "Used" and added the following DLMS note:</u>  DLMS Note: <i>Use to indicate the serial number when REF01 = SE.</i>	Identifies the location of the serial number value when used.	Revision required.
20.	2/REF03/130	<u>Opened REF03 and added the following DLMS note:</u>  DLMS Note: <i>Use to indicate Ull value when REF01 = U3.</i>	Identifies the location of the Ull value when used.  Per DOD policy, the Ull can be up to 78 characters. To allow for the longer length, the Ull value is mapped to the REF03 ANSI text field (vice the shorter REF02 reference number field).	Revision required.
21.	2/LM/450	<u>Revise Federal segment note 1 to read as follows and delete notes 2 and 3:</u>  <i>Use the to identify coded information maintained in department agency documentation</i>	Administrative update.	Revision required.
22.	2/LM/450	<u>Add the Federal segment notes deleted above as DLMS segment level notes 1 and 2:</u>  <i>1. Use the 2/LM/450 loop for reject reports and resubmissions, but only when the reject code varies among Ulls or serial numbers reported for the small arms item.</i>  <i>2. Use only one iteration of the 2/LM/450 loop for each iteration of the 2/LIN/090 loop.</i>	Administrative update.	No impact.
23.	2/LQ01/460	<u>Delete code 79 'Priority Designator Code' and the corresponding DLMS note: "Recommend using in all requisitions."</u>	Administrative correction. Priority designator, and a DLMS note for its use in requisitions, was inadvertently included in DS 140A.	No impact.
24.	2/LQ01/460	<u>Delete code AL- 'Special Requirements Code' which is used to identify the precedence, special handling, and processing requirements, and associated DLMS notes.</u>	Administrative correction. Code 'AL' was inadvertently added to DS 140A. Under DLSS this information was carried in the required delivery date field, which does not apply to this transaction.	No Impact.