IN REPLY
REFER TO

DLMSO

FEB 2 3 2006

MEMORANDUM FOR SUPPLY PROCESS REVIEW COMMITTEE MEMBERS

SUBJECT: Approved Defense Logistics Management System (DLMS) Change (ADC)
                     174, Inclusion of Data Supporting Unique Identification (UID) of Items in
                     DLMS Supplement (DS) 842A/W, Standard Supply Discrepancy Report, and
                     WebSDR (Supply) (Staffed by PDC 172)

        The attached change to DOD 4000.25-M, DLMS, is approved for phased
implementation beginning March 2006.   The Distribution Standard System (DSS) and DLA
Business System Modernization (BSM) program to accommodate transaction exchange
including multiple UID information is planned for January 2007. 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 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.

        Addressees may direct questions to the Defense Logistics Management Standards Office
point of contact, Ms. Ellen Hilert, Chair, Supply Process Review Committee, 703-767-0676,
DSN 427-0676, or e-mail: Ellen.Hilert@dla.mil. Others must contact their Component
designated representative.

                                                        DONALD C. PIPP
                                                        Director
                                                        Defense Logistics Management
                                                        Standards Office

Attachment

cc:
ADUSD(L)SCI
DOD SDR Subcommittee (US and FMS)
UID Program Office

ADC 174
Inclusion of Data Supporting UID of Items in DS 842A/W, SDR, and WebSDR

1. ORIGINATOR:

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

b. **Sponsors:**

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

(**2**) Unique Item Tracking Committee (UITC)/MILSTRAP Chair: Mary Jane Johnson, DLA DLMSO/J-6251, 703-767-0677 (DSN 427), Mary.Jane.Johnson@dla.mil

2. REFERENCES:

a. This ADC complements and supports PDC 147A, February 6, 2006, DLMS Unique Item Tracking (UIT) Procedures (Supply/UIT). PDC 147A is available from the DLMSO Web site at: http://www.dla.mil/j-6/dlmso/eLibrary/changes/proposed.asp.

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

3. FUNCTIONAL AREA: Primary: Supply

4. REQUESTED CHANGE:

a. **Title:** Inclusion of Data Supporting UID of Items in DS 842A/W, SDR, WebSDR

b. **Description of Change:**

(**1**) This change updates business processes using DOD WebSDR and the DS 842A/W to carry unique item identifier (UII) data for unique identification (UID) of assets. Component system changes which are required to support the integration of the 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. This usage may be expanded over time by OSD policy.

(**2**) Both the DOD WebSDR and the transaction exchange support identification by any single element or combination of UII, serial number, or batch/lot. This change will allow for entry of the UII, serial number and/or batch/lot data elements on the screen or via

transaction driven interface for multiple discrepant items on a single report. The capability to identify the item by NSN, part number, and manufacturer are already available.

(3)   The approved format for the transaction exchange includes UID related data content not specifically addressed in this ADC and which is intended for a future implementation if needed.

(4)   Component SDR applications which have not been modified to accommodate UID information, may request that the SDR e-mail be forwarded concurrently with an SDR transaction. <mark>Staffing Note:</mark> This means that DAASC implementation may be independent from Component implementation. If the receiving system is capable of receiving the current 842A/W SDR Report or other interface transaction, but cannot handle the UID data content, DAAS/WebSDR could send the transaction and an e-mail to the receiving activity; thus allowing the UID information to be addressed manually, while automated processing is not disrupted for the basic SDR information. DLA has identified a need for concurrent e-mail if current format UID information is exceeded (more than one serial number/UII or associated dates). This will need to be coordinated at time of implementation.

c.   **Procedures**:

(1)   Revise DOD WebSDR input screens as follows:

(a)   Replace current entry boxes for lot, batch, and serial number with new capability similar to display at Attachment 1. This screen will always appear when a discrepancy code from the U__ series is selected. When U__ series discrepancy is identified, user must provide either UID information or remarks. UID information is optional for other discrepancy codes. The actual design of the screen display will be developed by DAASC. Include capability to identify a date associated with each specific item (one of the following): Warranty Expiration Date, Shelf-Life Expiration Date, or Date Packed. If feasible, entry should be facilitated so that if a batch/lot or date is used for an item identified, the screen display will show the same date field pre-populated for each item and allow user to make alterations to minimize key strokes. The illustration below is provided only as a tool to help explain the requirement. It is not anticipated that screen input will exceed 25 uniquely identified items per SDR due to the overwhelming amount of key entry, DAASC should design for maximum flexibility. (No upper limit for uniquely identified items is currently established for transactional exchange.) Allow user to indicate by check box/radial button that UID information is associated with the SDR.

(b)   Provide help screens for DOD WebSDR as indicated in Attachment 2.

(2)   Revise DS 842A/W as indicated at Attachment 3. Previously unimplemented capability corresponding with the above DOD WebSDR functionality will be implemented at DAASC. In addition, it will be implemented within Component SDR applications on a staggered basis during modernization or in accordance with OSD policy directive. Mapping and associated notes for ANSI ASC X12 formats are identified in the table. All changes are at the ANSI ASC X12 Version 4030. Changes will be carried over to XML equivalent transactions. DS 842A/W is intended to support the following data configuration.

(a)   At the transaction level, existing material identification is retained, e.g. NSN or part number/CAGE. Part number and manufacturer's CAGE may be provided as

optional supplemental information in addition to the NSN.

　　　　　(b)　　　The UID loop provides specific UID information allowing flexibility to identify the item by the UII, and/or the serial number, and/or batch/lot. The UID loop is expanded to include capability to identify a date associated with each specific item (one of the following): Warranty Expiration Date, Shelf-Life Expiration Date, or Date Packed. The transaction structure will accommodate DLMS unique item tracking by serial number. This may be considered a transitional requirement which may be employed until the Components fully implement tracking by UII across DOD. In addition, the serial number, and/or batch/lot may be reported for informational purposed related to the discrepancy when not associated with UID policy.

　　　　　(c)　　　The following related data elements are permitted by the transaction format but are <u>not</u> implemented at this time: Original Part Number, New Part Number, Enterprise ID, and UII Type. In addition, if the Issuing Agency Code was needed for the AIS system, it could be derived from the ANSI X12 qualifier which identifies the type of EID used when EID is carried in the transaction (e.g., the ANSI X12 qualifier for DUNS number is "1" from which the corresponding ISO standard IAC value of "UN" may be derived).

　　　　　(3)　　　The UID loop is repeated for each item to be identified.

5. REASON FOR CHANGE:　　OSD policy for UID states that the Unique Item Identifier shall be the primary pointer or key data element for the AIS. In support of this requirement, future logistics transactions must identify the UII. This change incorporates the UII as currently defined within DLMS logistics exchange transactions and provides maximum flexibility. The Financial policy and requirements for UID, once defined and documented, may influence or drive future UID implementation in logistics transactions and systems.

6. ADVANTAGES AND DISADVANTAGES:

　　　a. Advantages:

　　　　　(1)　　Although specific logistics requirements for implementing UID have not been defined, this PDC supports the UID concept by incorporating UID functionality in DS 842A/W. This change is intended to provide flexibility in transmitting related UID/UIT data requirements.

　　　　　(2)　Provides capability for UIT by UII in DS 842A/W.

　　　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: Publication(s):　DOD 4000.25-M, DLMS, Federal IC for 842A/W and corresponding DLMS Supplement. Supporting procedures to be published under separate cover.

☑　**Unique Item Identification (UID) information.**

Check to display entry screen for serial number, batch/lot, or unique item identifier. If no UID information is associated with this SDR, just leave unchecked.

Unique Item Identification (UID) Information

Item 1:	
Batch/Lot	Maximum length: 20 positions 2/REF01/2600 Code BT, Batch
Serial Number	Maximum length: 30 positions 2/REF/01/2600 Code SE, Serial Number
Unique Item Identifier	Maximum length: 78 positions 2/REF/01/2600 Code U3, Unique Supplier Identification Number
Toggle for: Warranty Expiration Date Shelf Life Expiration Date Date Packed	CCYYMMDD 02/DTM01-02/2500/512 02/DTM01-02/2500/511 02/DTM01-02/2500/510

Item 2:	
Batch/Lot	Maximum length: 20 positions 2/REF01/2600 Code BT, Batch
Serial Number	Maximum length: 30 positions 2/REF/01/2600 Code SE, Serial Number
Unique Item Identifier	Maximum length: 78 positions 2/REF/01/2600 Code U3, Unique Supplier Identification Number
Toggle for: Warranty Expiration Date Shelf Life Expiration Date Date Packed	CCYYMMDD 02/DTM01-02/2500/512 02/DTM01-02/2500/511 02/DTM01-02/2500/510

Item 3:	
Batch/Lot	Maximum length: 20 positions 2/REF01/2600 Code BT, Batch
Serial Number	Maximum length: 30 positions 2/REF/01/2600 Code SE, Serial Number
Unique Item Identifier	Maximum length: 78 positions 2/REF/01/2600 Code U3, Unique Supplier Identification Number
Toggle for: Warranty Expiration Date Shelf Life Expiration Date Date Packed	CCYYMMDD 02/DTM01-02/2500/512 02/DTM01-02/2500/511 02/DTM01-02/2500/510

☑ *Are there more UID items?*

WebSDR Help Information

Unique Identification (UID) of Items.   UID policy and associated documentation is available at: http://www.acq.osd.mil/dpap/UID/. UID is the generic term that refers to 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. DOD WebSDR supports identification of material using its Unique Item Identifier (UII) or by serial number and batch/lot number. In addition, it may be relevant to include the batch or lot of the discrepant material for information when not required for uniqueness under UID policy.

Unique Item Identifier (UII). An identifier used in unique item tracking programs or in accordance with DOD policy to uniquely identify an individual asset used within the DOD. The UII is a common database key without regard to the data set construct being used. It may be derived from a DOD-approved commercially-accepted identification methodology [e.g., Vehicle Identification Number (VIN)]; or a composite (concatenated) structure defined by the DOD. 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 identification of the enterprise. The UII must be recorded in the Item Unique Identification (IUID) Registry maintained by the Defense Logistics Information System in order to be recognized.   It may be derived from the machine- readable elements within an Automated Information Technology (AIT) marking medium. The UII itself may not be recorded on the item.

DS 842A/W Revisions

The 842 transaction allows for more data and functionality than will be implemented at this time. Yellow highlighting identifies data elements which pertain to this specific PDC implementation. Blue highlighting identifies corrections recommended under the PDC.

Item #	Location	DS 842A/W Revision	Reason
1.	DLMS Introductory Notes	Revised DLMS note 4 to read: **4. This transaction may be used to provide item unique identification (UID) information. Refer to the UID web at URL: http://www.acq.osd.mil/dpap/UID/ for DoD policy and business rules.**	Administrative change.
2.	DLMS Introductory Notes	Added ADC 174 title to list of DLMS Changes to DLMS note 5. **- ADC 174, Inclusion of Data Supporting Unique Identification (UID) of Items in DLMS Supplement 4030 842A/W WebSDR (Supply).**	Indicates this DLMS change is included in the DLMS Supplement.
3.	2/HL03/0100	I Item **DLMS Note:** *Use to identify UID data consistent with UID data requirements. The UID data is carried in the REF and N1 segments; the NCD segment is required by ANSI syntax; and no other segments are used in the UID loop. Use a separate UID loop for each item. Skip this level when not applicable. The UII value and some of the associated data elements are ~~future~~ DLMS enhancements ~~and require coordination prior to use.~~ These elements may not be received or understood by the recipient's automated processing system.*	Existing note modified for clarification.
4.	2/NCD/2300	*Begin a new NCD loop for each UID loop. The UII value and some of the associated data elements are future DLMS enhancements and require coordination prior to use.*	Existing note.
5.	2/REF/2600	DLMS Notes: *1. Use in 2/HL/0100 UID loop to provide UID information. Repeat the REF segment within each UID loop to identify relevant UID information.* *2. This transaction will support item identification based upon the UII or the serial number. Data elements associated with the UII may be identified separately. Use the appropriate data elements to satisfy the desired functionality.*	Existing note.
6.	2/REF01/2600	*2. Use codes separately or in combination, to identify appropriate information for unique item tracking (UIT) or reporting under UID policy.*	Existing note.
7.	2/REF01/2600	BT Batch Number *Use in UID loop to identify the batch, lot, or production run related to the discrepant material ~~(when REF01 code U3 for UII is not applicable).~~*	Existing note corrected. Batch and Lot entry fields have been combined. Batch/lot is considered one field in DOD AIT standards.

Item #	Location	DS 842A/W Revision	Reason
8.	2/REF/01/2600	PM Part Number *2. Use in UID loop to identify the applicable part number. This will be the original part number when associated with the UII. This is a future enhancement. An ANSI data maintenance request has been prepared to request a new code qualifier for Original Part Number for future use.* SE Serial Number *Use in UID loop to identify the serial number (when REF01 code U3 for UII is not applicable).* QW New Part Number *Use in UID loop to indicate the current part number when different from the original part number identified in the UII. This is a future enhancement.*	Existing note corrected for clarification and increased flexibility.
9.	2/REF01/2600	U3 Unique Supplier Identification Number *Use in UID loop to identify the UII value. Cite the UII in REF03. Cite the serial number, when applicable, in REF02. When a batch, lot or other type of production run number is included in the UII for uniqueness, this number will be cited in the REF04. An ANSI data maintenance request has been prepared to request a new code qualifier for Unique Identifier Type for future use.*	Existing note for clarification and increased flexibility.
10.	2/REF02/2600	DLMS Note: *Use to indicate serial number when REF01=SE.*	Existing note.
11.	2/REF03/2600	DLMS Note: *Use to indicate UII value when REF01=U3.*	Existing note.
	2/REF04/2600	T0 Dealer Type Identification *Use to provide the UII Type, e.g., VIN, UID1, UID2, etc. Use with REF01 Code U3. This is a future enhancement. An ANSI data maintenance request has been prepared to request a new code qualifier for UII Type for future use.*	Existing note.
12.	2/N1/2800	N1 Segment level note : *Use in UID loop to identify the Enterprise Identifier.*	Existing note.
13.	2/N101/2800	*IAT Party Executing and Verifying* *1. Use to indicate the Enterprise Identifier (EID) responsible for the UII. This is a future enhancement. An ANSI data maintenance request has been prepared to request a new code qualifier for Enterprise Identifier for future use.* *2. The value of the UID Issuing Agency Code (IAC) may be derived from the qualifier used for the Enterprise Identifier. Use only N103 qualifiers for which a corresponding IAC is noted.*	Existing note.

Item #	Location	DS 842A/W Revision	Reason
14.	2/LQ/3340	Delete DLMS Note: *Use for UID reporting to identify the specific discrepancy <u>code</u> applicable to the UID information provided in this NCD loop.*	This functionality was intended to allow a specific discrepancy code to be associated with a specific uniquely identified item. This was to have been one of the original report codes and not an increase in the number of codes available. This would be complex and minimally beneficial. It will be deleted if Components concur.
15.	02/DTM/2500	Open DTM and segment note: DLMS Note: *Use in UID loop to associate a date with a specific batch/lot or item as identified by UII or serial number.* Add DTM01 qualifiers: 512 Warranty Expiration Date 511 Shelf Life Expiration Date 510 Date Packed	Enhanced capability. Allows user to associate a date with the specific uniquely identified item.