IN REPLY
REFER TO DLMSO

November 6, 2007

MEMORANDUM FOR SUPPLY PROCESS REVIEW COMMITTEE MEMBERS

SUBJECT: Approved Defense Logistics Management System (DLMS) Change 241,
Item Unique Identification (IUID) and Radio Frequency Identification (RFID) in
DLMS Supplement 856R, Shipment Status Material Returns (Supply)
(Staffed as PDC 255)

    The attached change to DOD 4000.25-M, DLMS, is approved for implementation on a phased and staggered basis during calendar year 2008. Components planning to implement (including those that migrate to this 4030 version of the 856R), should coordinate with DLMSO and DAASC for a specific implementation date. The updated DLMS Supplement will be posted to the Defense Logistics Management Standards Office (DLMSO) Web site, http://www.dla.mil/j-6/dlmso/elibrary/TransFormats/formats.asp within 10 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, the Federal Electronic Data Interchange Standards Management Coordinating Committee, and applicable working groups.

    Addressees may direct questions to the DLMSO points of contact, Ms. Ellen Hilert, Chair, Supply Process Review Committee at 703-767-0676; DSN 427-0676; or, e-mail: ellen.hilert@dla.mil; or, Mr. Robert Hammond at 703-767-2117; DSN 427-2117; or, e-mail: robert.hammond@dla.mil. Others must contact their Component designated representative.

DONALD C. PIPP
Director
Defense Logistics Management
Standards Office

Attachment

cc:
DUSD (L&MR) SCI
UITC

ADC 241
IUID and RFID in
DS 856R, Shipment Status Material Returns

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. DOD Item Unique Identification (IUID) policy and associated documentation are available at: http://www.acq.osd.mil/UID/index.html

   b. DOD Passive RFID policy and associated documentation are available at: DOD http://www.acq.osd.mil/log/rfid/index.htm

3. FUNCTIONAL AREA: Primary: Supply

4. COMMENTS RESULTING FROM PROPOSAL COORDINATION:

HQ DLA comments applicable to IUID: "The allocation of data elements in EDI transactions is innocuous. However, since the implementation of this concept comes with the expectation of standing up a new process to perpetuate UID data, we have some concerns. If new data is introduced to an interface, we would require a significant period of time to sufficiently design, build, and test the changes. Formal process documentation for IUID is still lacking. Without a clearly stated process for the flow of data and expectations by all interface partners, there are obvious concerns within DLA for how this will work. Some of the challenges would include:

   a. OSD developing an IUID to RFID item unit pack relationship that has not been established by OSD policy.

   b. OSD policy is evolving, and additional changes may be required to modify, or enhance, the transactional exchange as outlined in this proposal.

c. With limited policy or business rules to define this relationship, it may be premature to do this in a DLMS transaction. Also, there may be more DLMS changes necessary as indicated in the PDC, i.e., "as policy and desired functionality are more fully developed."

….. "this is an extremely complex process. We think it is very important to insure Service concurrence/buy in on this proposal**."**

5.   REQUESTED CHANGE:

a.   Description of Change: This change updates DLMS Supplement 856R, Shipment Status Material Returns, to carry IUID information and passive RFID tag information. This ADC is a planning tool for establishing techniques for accommodating IUID and RFID tag data within transactional exchanges under the DLMS to support business process improvements. As policy and desired functionality are more fully developed, additional DLMS changes may be necessary. Component system changes, which are required to support the integration of the IUID or RFID tag data requirements, are not identified in this change. This change also harmonizes the 856R for Shipment Status Material Returns, with the 856S, DLMS Shipment Status, using the same version/release   (ASC X12 4030). It adds administrative notes to clarify usage and further identify specific DLMS enhancements.

b.   Procedures:

  (1) General Information.

    [a]   Capability to identify the transportation control number (TCN) and a secondary transportation number (e.g. carrier assigned shipping number) is to be implemented during modernization. The Standard Carrier Alpha Code for carrier identification should also be included for tracking purposes.

    [b]   The shipment status for material returns includes specific identification of the party to receive credit and the ship-from activity. These two data fields equate to the dual use of the MILS Supplemental Address field. During MILS/DLMS transition, one activity may be identified so that it may be mapped to the MILS for conversion without loss of content. However, full DLMS implementation is intended to enable identification of different activities using these separate qualifiers. Components implementing this transaction should plan for this future capability. However, implementation may not occur without prior coordination,

    [c]   to ensure the receiving activity can accommodate this process. Components should report a planned implementation date for this procedure to DLMSO.

    [d]   The revised shipment status for material returns structure provides the flexibility to identify the non-parsable UII value and related elements. There will be a separate Hierarchical Level (HL) loop for each item identified. The available data fields are: UII, serial number, manufacturer, part number, and batch/lot number.

    [e]   The revised shipment status for material returns also provides the flexibility to identify multiple levels of packing to which an RF tag may be identified. There will be a separate HL loop for each level, or RFID may be identified at the IUID item level. A parent/child relationship may

2

be established between the IUID and the packaging level (to associate the IUID item with the RF tag on its packaging). In addition, a parent/child relationship may be established between each of the packing levels (e.g., to associate which case is in which pallet).

> **[f]** The transaction structure will accommodate DLMS unique item tracking by serial number. This is a transitional requirement which may be employed until tracking by UII is implemented across DOD.

> **[g]** This transaction is provided using ANSI Version 4030. The existing implemented 4010 version will continue to be supported until Components migrate to the higher level. The transaction is migrated to the higher version to remain consistent with the DLMS Shipment Status, 856S, which carries RFID and IUID.

> **[h]** The original 4010 structure was designed to permit multiple shipment status transactions (different requisition document numbers) to be included in a single 856R transaction exchange using multiple HL loops (for economy of transmission; not for any functional purpose such as describing an entire shipment unit and its contents). The 4030 version is restricted to a single material returns shipment status transaction, since the structure is more complex with the added RFID and UID loops.

> **(2)** Modify DOD 4000.25-M, Defense Logistics Management System Manual as shown in Enclosure 1.

> **(3)** Modify the DLMS Supplement 856R as shown in Enclosure 2. A sample transaction is shown at Enclosure 3.

6. REASON FOR CHANGE:

a. OSD policy for the IUID states that the Unique Item Identifier shall be the primary pointer or key data element for the AIS in all computational functions including inventory acceptance, item accountability, storage, issue, receipt, valuation, maintenance, and disposal. In support of this requirement, logistics transactions must identify the UII. This change is required to incorporate the placeholder for UII as currently defined within DLMS logistics exchange transactions and provide maximum flexibility.

b. OSD policy for passive RFID directs the use of RFID by DOD shippers. Passive tagging specifically applies to DOD shipments at the case (i.e., shipping container or exterior container) and pallet (i.e., palletized unit load) levels. Passive RFID at the packaging level for items requiring IUID is not required for initial implementation. Passive tags should be applied at the case and pallet levels to all sustainment or retrograde shipments to support asset visibility within the DOD supply chain and improved logistics business processes.

c. Selected DLMS enhancements have been identified for migration without prior notification. These require identification in the DS and appropriate procedures in the manual.

7. ADVANTAGES AND DISADVANTAGES:

a.   Advantages: Supports implementation of UID/RFID policy within the supply functional area.

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

8.   IMPACT:

   a. This change impacts DLMS-capable application and those in the process of planning for migration. This change may be implemented on a phased and staggered basis without prior coordination with trading partners (with exception as noted above for parties to receive credit). DLMS-capable receiving applications which have not yet adopted these DLMS enhancements should verify that inclusion of the new data will not cause transactions to reject.

   b. DAASC will need to maintain both 4010 and 4030 version of this transaction until those using the 4010 version have migrated.

   c. DOD 4000.25-M, DLMS, and 856R Federal IC and corresponding DLMS Supplement. Revisions to Federal ICs will be submitted to the EDISMC.

   d. This change impacts the Defense Automatic Addressing System (DAAS), Global Transportation Network (GTN), and other applications maintaining a historical database and query capability, so that additional data content may be saved and displayed appropriately.

Enclosures

C5.2.3.3. Shipment Status Material Returns. *Use the DS to the Federal IC 856R, Shipment Status Material Returns, to prepare a shipment status and promptly submit to the ICP/IMM after materiel directed for return is released to the carrier. Refer to chapter 11 for material returns program procedures. The shipment status for material returns shall include the transportation control number, shipment date, mode of shipment, and quantity shipped. It shall perpetuate data content from the automatic return notification (DS 180M) or the ICP/IMM reply to the customer's asset report and shipping information (870M), as applicable, per guidance in the DS.   The DLMS Shipment Status shall include asset visibility content, such as IUID, and intransit visibility requirements, such as passive RFID and the transportation control number as directed under DoD policy/procedures (DoD 4140.1-R). DLMS enhancements include, but are not limited to, the following:*

      C5.2.1.2.1 Passive RFID for the shipment unit/case/pallet associated at the document number level. The shipment status transaction may identify a hierarchy to clarify the relationship of passive tags within different shipment levels.

      C5.2.1.2.2 For Unique Item Tracking (UIT) purposes, the IUID and/or serial number. Serial number without applicable IUID may be used during MILS/DLMS transition and pending implementation of IUID capability. Refer to chapter 19 for UIT guidance.

      C5.2.1.2.3 Both the TCN and a secondary transportation number, such as the small package carrier number, when this is applicable.

      C5.2.1.2.4 Identification of the carrier, when other than United States Postal Service (USPS), by Standard Carrier Alpha Code (SCAC).

      C5.2.1.2.5 Specific identification of all parties associated with the material return. This includes the party to receive credit when different from the document number DoDAAC (previously carried in the MILS Supplemental Address field) and all parties to receive status. Transition to use of specifically identified parties will facilitate full DLMS implementation which will enable identification of multiple different activities (e.g. submitter, ship-from, credit-to, status-to). Prior coordination for this DLMS enhanced capability is required.

Item #	Location	856R Revision	Reason
1.	DLMS Introductory Notes	<u>Add new DLMS notes e and f to read:</u> *e. Repetition of data (using multiple iterations or loops) which is not compatible with existing DLSS capability. Although supported by the use of the ANSI X12 standard, such data is not compatible with DLSS/DLMS conversion and may not be supported by the recipient's automated processing system. Components must coordinate implementation of enhanced capability with DLMSO prior to use.* *f. Data associated with a DLMS enhancement authorized for implementation by modernized systems under DLMS migration. This data (including expanded field sizes) should be adopted during, or subsequent to, modernization when applicable to the Component's business process. Prior coordination is not required. Components should ensure that inclusion of this data in a DLMS transaction does not cause inappropriate rejection of the transaction.*	New note added to clarify intent for implementation of specific enhancements. These data elements should be adopted by DLMS-capable systems without prior coordination and trading partner agreement.
2.	DLMS Introductory Notes	<u>Add new DLMS notes 4, 5 and 6 to read:</u> *4. This transaction may be used to provide Unique Item Identifier (UII) information. Refer to the UID web at URL: http://www.acq.osd.mil/dpap/UID/ for DoD policy.* *5. This transaction may be used to provide passive Radio Frequency Identification (RFID) tag identification as applicable to interior and exterior packaging.* *6. This revision to the DLMS Supplement incorporates Proposed DLMS Change (PDC) and Approved DLMS Changes (ADC) listed. PDCs and ADCs are available from the DLMSO website: http://www.dla.mil/j-6/dlmso/Changes.* *- ADC 62, Revision to DS 856R, Shipment Status Material Returns* *- ADC 62A, Addendum for Revision to DS 856R, Shipment Status Material Returns* *- ADC 241, UID of Items and RFID in DLMS Supplement 856R, Shipment Status Material Returns*	To identify UID web URL, to identify RFID information along with identifying DLMS Changes included in this DLMS Supplement
3.	1/BSN07/ 0200	<u>Add the following DLMS note 2 to qualifier "W05":</u> *2. DLMS enhancement; see introductory DLMS note 3a.*	Clarification
4.	2/HL/0100	<u>Revise first 3 Federal notes as follows and added notes 4 and 5:</u> ***1. The transaction set hierarchical data structure is***	Supports IUID and RFID (IUID is primarily a

Item #	Location	856R Revision	Reason
		address information, followed by transaction shipment status, followed interior/exterior packaging RFID and/or by UID as applicable. *2. Use the first 2/HL/0100 loop iteration to provide transaction set **originating activity** address information.* *3. Use the second and ~~all~~ subsequent 2/HL/0100 loop iterations to identify individual transaction shipment status information.* ***4. Use additional 2/HL/0100 loop iterations to identify RFID as applicable.*** ***5. Use additional 2/HL/0100 loop iterations to identify IUID information as applicable.***	placeholder in the DLMS format since explicit policy directing its use within this process is not currently available.)
5.	2/HL02/0100	Open Data Element HL02 and added the following DLMS notes: *1. Use to provide association (parent/child relationship) between interior and exterior packaging when multiple RFID tags are employed in the shipment. Use in the subordinate (child) loop to identify the HL01 ID Number of the next higher parent loop.* *2. UID loops may be associated with a parent RFID loop (e.g. item pack). Not applicable to the UID loop if no specific parent RFID loop is identified.*	Supports IUID and RFID
6.	2/HL03/0100	Add the following DE DLMS note, added qualifiers "I" and "P" both w/ DLMS notes and revised DLMS note for qualifier "V": **DE DLMS Note***:* *The following informational loops are applicable to this transaction. When all loops are used, the HL sequence is V (address), W (material returns shipment status), P (RFID), and I (UID). RFID and UID loops are optional. Use multiple P loops to depict a nested RFID relationship.* **I Item** **DLMS Note**: *Use to identify IUID data consistent with UID data requirements. The IUID data is carried in the REF and N1 segments; no other segments are used in the UID loop. Use a separate UID loop for each item. If an RFID is provided at the item level it may be reflected in this loop. Skip this level when not applicable.* **P Pack** **DLMS Note***: Use to identify the passive RFID tag identification. The tag identification is carried in the REF*	Supports IUID and RFID

Item #	Location	856R Revision	Reason
		segment; no other segments are used in this loop at this time. Use a separate RFID loop for each RFID associated with the shipment using the HL02 parent ID to create a parent/child (nested) relationship. Skip this level when not applicable. **V Address Information** **DLMS Note:** *Use to identify the transaction set originating activity address loop.*	
7.	2/LIN02/0200	Add the following DLMS note 2 to the following qualifiers A1, A2, F4, FB, MN, YP: *2. DLMS enhancement; see introductory DLMS note 3a.* Deleted qualifier: **SE Serial Number** Added second sentence to DLMS note for qualifier ZZ: **ZZ Mutually Defined:** **DLMS Note:** *Use to identify nonstandard material when all other authorized codes do not apply or cannot be determined.* ***May be used for DLSS-to-DLMS conversion when the translator cannot determine a more appropriate code.***	Clarification
8.	2/SN1/0300	Revise Federal segment level DLMS note to read: *Use only in 2/HL/0100 transaction reference number loops to identify the number of items shipped.*	Supports IUID and RFID
9.	2/SN102/0300	Add DE Level DLMS note to read: *A field size exceeding 5 positions may not be received or understood by the recipient's automated processing system. See introductory DLMS note 3d.*	Clarification
10.	2/REF/1500	Delete Federal note 1 and added the following new segment level Federal notes: *1. Use in 2/HL/0100 transaction reference number loops to provide financial data citing the fund purpose code and either or both of the fund code and the long-line accounting data.* *1. Use in 2/HL/0100 shipment status loop to identify the document number and the transportation control number. Repeat the REF segment within each shipment status loop to identify relevant information.* *2. Use in 2/HL/0100 UID loop to provide IUID information. Repeat the REF segment within each UID loop to identify relevant IUID information.* *3. Use in applicable 2/HL/0100 RFID loops to provide the tag identification. Begin a new RFID loop to create a nested*	Supports IUID and RFID

Item #	Location	856R Revision	Reason
		relationship between tags at different layers of packaging.	
11.	2/REF/1500	Revise segment level DLMS notes 1 and 2 and added the following DLMS notes 3 and 4: *1. Must use in 2/HL/0100 transaction reference number loops to identify the ~~customer assigned transaction~~ document number, fund code ~~financial accounting data~~, L and the ~~shipment unit~~ transportation control number, ~~and unique item tracking (UIT) associated~~ with the shipment status transaction.* ***2. Financial accounting data is provided as a DLMS enhancement. When implemented, refer to** the Accounting Classification Appendix for specific entries for the basic appropriation number and supplemental accounting classification data.* ***3. 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.*** ***4. This transaction will support association of the UID information with the RFID tag at the UID packaging level and/or at each higher level of packing which has been tagged.***	Supports IUID and RFID
12.	2/REF01/1500	Add new Federal note and revised DLMS note 1 to read: Federal Note: *Use any code.* DLMS Note: *1. Use codes separately or in combination, to identify appropriate information for unique item tracking (UIT).*	Supports IUID
13.	2/REF01/1500	Revise the following DLMS notes for the following qualifiers: **BT Batch Number** **DLMS Note:** *1. Use in UID loop to identify the manufacturer's batch/lot number or other number identifying the production run. The batch/lot number may not exceed 20 characters in accordance with UID policy.* *2. DLMS enhancement; see introductory DLMS 3a.* **SE Serial Number** **DLMS Note:** *1. Use in UID loop to identify the serial number.* *2. DLMS enhancement; see introductory DLMS 3a.*	Supports IUID

Item #	Location	856R Revision	Reason
		Delete qualifier: **LT Lot Number**	
		Add DLMS note 3 for qualifier FG:	
		FG Fund Identification Number: *3. This is a DLMS enhancement, but it is a required entry for identification of the Fund Code below.*	
14.	2/REF01/ 1500	Add the following qualifiers w/ DLMS notes and revised DLMS note for qualifier "TN": **JH Tag** **DLMS Note:** *1. Use in applicable RFID loop to identify the RFID tag. The RFID will be reflected as a hexadecimal value.* *2. May be used in the UID loop when an RFID tag is applied to the individual item.* *3. Authorized DLMS migration enhancement. See DLMS introductory note 3f.* **PM Part Number** **DLMS Note:** *1. Use in UID loop to identify the applicable part number.* *2. May be used when primary item identification is the NSN.* *3. DLMS enhancement; see introductory DLMS note 3a.* **U3 Unique Supplier Identification Number (USIN)** **DLMS Note:** *1. Use in UID loop to identify the UII value in REF03. The UII may not exceed 50 characters in accordance with UID Policy. An ANSI data maintenance was approved in version 5020. The approved code/name is "UII-Department of Defense Unique Item Identifier".* *2. Authorized DLMS migration enhancement. See DLMS introductory note 3f.* **TN Transaction Reference Number** **DLMS Note:** *Must use in every 2/HL/0100 transaction reference number loop to identify the original customer-assigned **document** number associated with the material return.*	Supports IUID and RFID
15.	2/REF03/ 1500	Move the following Federal Notes to the DLMS level note: **DLMS Note:** *1. Use to indicate UII value when REF01=U3.* 2. ***Use with REF01 code FG and REF04-01 code AT to cite***	Maintaining notes at the DLMS level facilitate future update.

Item #	Location	856R Revision	Reason
		the supplemental accounting classification data. This is a DLMS enhancement; see introductory DLMS note 3a.	
16.	2/REF04/ 1500	Move the following Federal Notes to the DLMS level note: **DLMS Note:** ***The following options are identified as a DLMS enhancement; see introductory DLMS note 3a.*** *If providing only the long-line accounting data use REF04-01 code AT and cite the basic appropriation data in REF04-02. Use REF04-03 code 10 and cite the accounting station number REF04-04.* *If providing both use REF04-01 code FU, REF04-03 code AT and REF04-05 code 10 citing the related data in the following data element of the pair.* *When needed, use codes from REF01-01 and the next available combination of data element 128/127 pairs to provide the necessary data.*	Maintaining notes at the DLMS level facilitate future update.
		Delete qualifier K1: **K1 Foreign Military Sales Notice Number** Revise DLMS notes as follows: **128 Reference Identification Qualifier** DLMS Note: Use one of codes 08, AW, BL, BM, IZ, K2, K3, ZH, or WY with REF01 code TG (*TCN*) to identify a secondary transportation number. **08 Carrier Assigned Package Identification Number** DLMS Note: *1. Use to identify carrier package identification number when carrier is other than the United States Postal Service. Use recommended in conjunction with identification of the carrier (2/N101/2200 qualifier CA).* *2. Authorized* DLMS *migration* enhancement; see introductory DLMS note *3f.* **AW Air Waybill Number** DLMS Note: 1. Use to identify the shipment unit air waybill number. 2. *Authorized* DLMS *migration* enhancement; see introductory DLMS note *3f.*	FMS Notice Number is not applicable to the material returns process. Clarification of usage and identification of authorized DLMS enhancements.
		BL Government Bill of Lading	

Item #	Location	856R Revision	Reason
		DLMS Note: 1. Use to identify the government bill of lading. 2. *Authorized* DLMS *migration* enhancement; see introductory DLMS note *3f.* **BM Bill of Lading Number** DLMS Note: 1. Use to identify the shipment unit commercial bill of lading number. 2. *Authorized* DLMS *migration* enhancement; see introductory DLMS note *3f.* **IZ Insured Parcel Post Number** DLMS Note: 1. Use to identify the shipment unit insured parcel post number. 2. *Authorized* DLMS *migration* enhancement; see introductory DLMS note *3f.* **K2 Certified Mail Number** DLMS Note: 1. Use to identify the shipment unit certified mail number. 2. *Authorized* DLMS *migration* enhancement; see introductory DLMS note *3f.* **K3 Registered Mail Number** DLMS Note: 1. Use to identify the shipment unit registered parcel post number. 2. *Authorized* DLMS *migration* enhancement; see introductory DLMS note *3f.* **WY Waybill Number** DLMS Note: 1. Use to identify the shipment unit *surface* waybill number. 2. *Authorized* DLMS *migration* enhancement; see introductory DLMS note *3f.* **ZH Carrier Assigned Reference Number** DLMS Note: 1. Use to identify the shipment unit express mail number. 2. *Authorized* DLMS *migration* enhancement; see introductory DLMS note *3f.*	
17.	2/DTM01/ 2000	Delete qualifier "514": **514 Transferred** (date transferred to the carrier, if a delay occurs prior to actual shipment.)	This date field is not used in the material returns process.
	2/N101/22	**CA Carrier**	Includes authorized

Item #	Location	856R Revision	Reason
	00	DLMS Note: 1. Use as needed to identify the shipment unit carrier *when other than the United States Postal Service.* *2. The carrier is identified by Standard Carrier Alpha Code (SCAC). Carrier may be identified by name (N102).* 3. *Authorized* DLMS *migration* enhancement; see introductory DLMS note 3*f*.	DLMS enhancement note and improves flexibility by allowing identification by name or SCAC.
	N102	**Name** *Use with N101 code CA to identify the carrier by name. (Field length restricted to 20 positions.)*	
	N103	**2. Standard Carrier Alpha Code (SCAC)** DLMS Note: Use ~~as needed~~ to identify the commercial carrier.	
18.	2/N101/22 00	Revise DLMS note for qualifier CN: **CN Consignee** **DLMS Note:** *1. Use to identify the material consignee ~~when different from the Ship To~~.* Delete qualifier "ST" and associated note: **ST Ship To** DLMS Note: *1. Use to identify the organization to receive the material.* *2. DLMS Enhancement: See introductory DLMS note 3a.*	There is a requirement for only one data element to identify the consignee/ ship-to. The DLMS enhancement for the ST Ship To is unnecessary and the note for the CN Consignee must be updated to remove the reference to a different ship to
19.	2/N101/22 00	Delete DLMS note 1 and add new DLMS 1 and 2 for qualifier "MF": **MF Manufacturer of Goods** **DLMS Note:** *1. Use in UID loop to identify the manufacturer of the identified item.* *2. DLMS enhancement: See introductory DLMS note 3a.*	Clarification of usage.
20.	2/N101/22 00	Add qualifier "KK" with DLMS note: **KK Registering Party** **DLMS Note:** *1. Use to identify the Component UIT registry. May be used by a Component when their UIT process requires that a copy of the transaction also be sent to a UIT registry for information purposes. Must be used with 2/N106/2200 code 'PK-Party to Receive Copy' to identify that this is only an information copy of the transaction, for use with the Component UIT registry.*	Added for consistency with ADC 165, Optional Capability for Sending Information Copy of DLMS Supplements 856, 856S, 861, 867I, 870M, 945A, and 947I to a Component UIT Registry

Item #	Location	856R Revision	Reason
		2. DLMS enhancement. See introductory DLMS note 3a.	
21.	2/N103/2200	Delete DLMS note for qualifier "M4" and added qualifier "UR" with DLMS note: **M4 Department of Defense Routing Identifier Code (RIC)** ~~**DLMS Note:** *1. The RIC is retained in the DLMS to facilitate transaction conversion in a mixed DLSS/DLMS environment. Continued support of the RIC in a full DLMS environment will be assessed at a future date. Typically under the DLMS, the RIC will be replaced with a DoDAAC or a commercial identifier.*~~ ~~*2. Future streamlined data; See introductory DLMS note 3c.*~~ **UR Uniform Resource Locator** **DLMS Note:** *1. Use when appropriate to identify the Component UIT registry.* *2. DLMS enhancement; see introductory DLMS note 3a.*	This note is removed as there are no plans at this time to discontinue use of the routing identifier. Consistent with ADC 165
22.	2/N106/2200	Add the following qualifier with DLMS note: **PK Party to Receive Copy** **DLMS Note**: *1. Use when appropriate to send an information copy of the transaction to a Component UIT registry. For use with N101 code KK.* *2. DLMS enhancement. See introductory DLMS note 3a.*	Consistent with ADC 165
23.	2/LQ01/3500	Revise DLMS note to qualifier "79" to read: **79 Priority Designator Code** **DLMS Note:** *DLMS enhancement; see introductory DLMS note 3a.* Added DLMS note 2 to qualifier 83: **83 Supply Condition Code** **DLMS Note:** *1. Use only with return of discrepant material (BSN07 code W05).* **2. DLMS enhancement; see introductory DLMS note 3a.** Revise DLMS notes for qualifier "A9" as follows: **A9 Supplemental Data** **DLMS Note:** *1. Use to identify supplemental address/data.* *2. During DLSS/DLMS transition, this field will be used to*	Added standard DLMS notes for enhancement and usage.

Item #	Location	856R Revision	Reason
		perpetuate/populate the DLSS Supplemental Address (SUPAAD) field. During this time the field size is restricted to 6 positions. 3. Expanded use of this field for supplemental data without size restriction is a DLMS enhancement; see introductory DLMS note 3.a. ~~2. Future streamlined data; see introductory DLMS note 3c.~~	

Enclosure
DS 856R Example

ST~85R~(transaction control number)	**Header**
BSN~00~ZZ~(date-ccyymmdd)~(time-hhmm)~~AS	**Beginning Segment – Shipment Advice**
HL~1~~V	**Address information loop**
N1~41~~10~(DoDAAC)~~FR	Originating transaction organization
N1~Z4~~M4~(RI code)~~TO	ICP/IMM receiving the transaction
HL~2~~W	**Shipment status loop**
LIN~~FS~(NSN)	NSN
SN1~~7~EA	Quantity and Unit of Issue of shipped items
TD5~~~~(mode code)	Mode of Shipment
REF~TG~(TCN) ~~08~(carrier no.)	TCN and Carrier assigned shipping no.
REF~TN~(document number)~~W8~(suffix number)	Document Number and Suffix
REF~FG~(fund purpose code)~~ FU^(fund code)	Fund Purpose Code and Fund Code
DTM~011~(date-ccyymmdd)	Date shipped
N1~CN~~M4~(RI code)	Receiving Depot (ship-to location)
N1~ZB~~10~(DoDAAC)	Party to Receive Credit (from MILS SUPADD)
N1~Z1~~10~(DoDAAC)	Party to Receive Status
LM~DF	Identifies DOD as agency assigning code values
LQ~0~FTM	MILS Document ID Code
LQ~DE~(signal code)	Signal code
LQ~DF~(media and status code)	Media and Status Code
LQ~A9~(supplementary address)	Supplementary Address
HL~3~~P	**RFID Loop**
REF~JH~(tag number)	RFID tag number
SE~77~(transaction control number)	**Transaction Set Trailer**