DEFENSE LOGISTICS AGENCY
HEADQUARTERS
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FORT BELVOIR, VIRGINIA 22060-6221

IN REPLY REFER TO DLMSO

APR 29 2008

MEMORANDUM FOR: SEE DISTRIBUTION

SUBJECT: Defense Logistics Management Systems (DLMS) Supply Process Review Committee (PRC) Supply - Transportation Interface Workshop, April 10, 2008

The attached minutes of the DLMS Supply PRC Supply - Transportation Interface Workshop are forwarded for your information and appropriate action. A follow-on meeting will be scheduled soon to finalize the requirements discussed in the workshop.

The Defense Logistics Management Standards Office point of contact is Heidi Daverede at (703) 767-5111; or, email: Heidi.Daverede@dla.mil.

DONALD C. PIPP
Director
Defense Logistics Management
Standards Office

Attachment

DISTRIBUTION:
Supply PRC Workshop Attendees

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IN REPLY
REFER TO DLMSO

APR 2 9 2008

MEMORANDUM FOR RECORD

SUBJECT: Defense Logistics Management Systems (DLMS) Supply Process Review Committee (PRC) Supply - Transportation Interface Workshop, April 10, 2008

Purpose: Defense Logistics Management Standards Office (DLMSO) hosted subject workshop at the Defense Logistics Agency (DLA) Headquarters Complex, Fort Belvoir, Virginia. Specific details of the discussion are noted below. A list of attendees is shown at Attachment 1. All meeting handouts and briefing materials are available on the Supply PRC Web page (refer to the meeting agenda): http://www.dla.mil/j-6/dlmso/Programs/Committees/Supply/supplyPRC.asp.

Summary of Discussion: Heidi Daverede, DLMSO Transportation Subject Matter Expert, facilitated the discussion with participants from the Supply PRC, United States Transportation Command (USTRANSCOM) Corporate Data Office, Defense Automatic Addressing System Center, Logistics Management Institute, Rainbow Data Systems Incorporated, Defense Medical Logistics Supply System, Cargo Movement Operations System Program Management Office, Headquarters U.S. Air Force, Headquarters U.S. Marine Corps, Naval Operational Logistics Support Center, K-Force, and Logistics Support Activity.

a. **Problem:** During the July - August 2007 timeframe, USTRANSCOM's Information Data Flow Integrated Process Team (IPT) and the Standard Transportation Interface sub-IPT identified several "air gaps" as automated information systems hand off data to one another. One of the top priority "air gaps" is the lack of a seamless interface between retail supply and transportation systems at origin.

b. **Requirement:** A two-way standard interface for supply receipt and acknowledgement is required. This includes the capability to pre-lodge release order (material, disposal, and lateral) data to transportation, to allow for supply follow-up requests and status responses, to allow for cancellation requests and associated acknowledgements, and to provide material release acknowledgements to supply.

c. **Presentation Highlights:**

(1) Retail supply Automated Information System (AIS) (e.g., SBSS, SARSS, RSupply, STRATIS, GCSS-MC, DMLSS) need to interface with a standard retail transportation AIS (e.g., CMOS) at the point of origin in a virtual warehouse concept, akin to the role of DLA's Distribution Standard System (DSS) at the wholesale level.

(2) The project approach is comprised of two phases. Phase I includes a look at retail stock transactions (e.g., DD 1348-1A), and Phase II will review nonstock transactions (DD 1149).

(3) The Phase I approach focused on identifying the data requirements based on MILSTRIP guidance and existing nonstandard CMOS interfaces to retail supply systems (e.g., SBSS, CAS, DMLSS), identifying the candidate DLMS EDI/XML transactions, performing a gap analysis between the candidate transactions and the data requirements, and developing proposed courses of action in the near- and long-term.

(4) An underlying assumption to the proposed solution set is that it must entail no changes to legacy retail supply systems, and use existing legacy transactions to the maximum extent possible.

(5) CMOS intends to implement the candidate DLMS EDI transactions in FY 2009 (development work to go under contract in late FY 2008). DMLSS is planning to implement the candidate DLMS EDI transactions during the same timeframe. Other legacy retail supply AISs will be identified by CMOS and their trading partners and will be implemented when ready.

d. Gap Analysis Validation

(1) The group reviewed the presentation of the gaps identified by DLMSO.

(2) Based on that review, the gaps were sorted into the following categories:

(a) Required Legacy - Proposed DLMS Change (PDC): These gaps require a PDC very quickly to facilitate CMOS implementation of the candidate transactions with DMLSS and any legacy retail supply AIS.

(b) Required Legacy - FLIS Web Service: These gaps require CMOS to establish a web service with DLIS to obtain item data associated with a particular National Item Identification Number (NIIN). DLIS point of contact information was provided to the CMOS PMO and HQ USAF via separate correspondence.

(c) Required - CMOS Implementation: These gaps will require CMOS action to overcome through internal programming or manual user intervention.

(d) Required DLMS - PDC: These gaps will require a PDC in the future when implementing DLMS-compliant AISs replacing legacy retail supply systems based on DLSS.

(e) Required DLMS - 858B: These gaps are recommended to be filled by using the Defense Transportation Electronic Business (DTEB) Committee's 858B transaction for the Transportation Control Movement Document.

(f) Not Required - MILS_DLMS: These gaps are not required for the proposed courses of action.

(3) The results of the gap analysis are shown at Attachment 2.

e. Actions

(1) All attendees are requested to review attachment 2. Provide feedback to DLMSO if there are any concerns. SUSPENSE: May 9, 2008

(2) DLMSO to conduct follow-on meeting with DMLSS to discuss proposed solution for assemblage document number (kitting process). SUSPENSE: May 16, 2008

(3) DMLSS to provide process overview of assemblage information flow process. SUSPENSE: Completed

(4) CMOS, DMLSS and DMLSO to develop draft PDC for Required Legacy - PDC changes for eventual staffing through the Supply PRC. SUSPENSE: May 30, 2008

(5) CMOS to coordinate with DLIS to develop web service for item data associated with NIINs. SUSPENSE: June 30, 2008

DONALD C. PIPP
Director
Defense Logistics Management
Standards Office

Attachments
1. List of Attendees
2. Disposition of Gap Analysis

ATTENDEE LIST

Name	Organization	Note
Ellen Hilert	DLMSO	
Heidi Daverede	DLMSO	
Bob Vitko	DLMSO	
John Will	US Transportation Command	Telecon
Dan Eastman	LMI	
Frank Napoli	LMI	
Harry Gore	LMI	
Stuart Scott	DAAS	Telecon
Bill Strickler	RDSI	
Doug Mummert	RDSI	Telecon
Mark Minch	DAAS	Telecon
Karen Townley	DAAS	
Allan Jones	DAAS	Telecon
Steve Hermann	DAAS	Telecon
Larry Allensworth	DMLSS	
Monty Blucoft	DMLSS	
Rex Geiser	USAF CMOS (Gunter AFB)	Telecon
SSGT Izelu	USAF CMOS (Gunter AFB)	Telecon
Gordon Allbritton	USAF CMOS (Gunter AFB)	Telecon
Jim Wakeley	HQ USAF	
Joe Rothrock	HQMC LPD	
Sam Perez	HQMC LPD	
Charlene Shannon	NOLSC	Telecon
Elizabeth Mason-Jones	LOGSA	Telecon
John Schwarz	DLMSO	

Step 1 - Release Order (940R)			
#	**Gap Data Element**	**Tab Location (Name)**	**Data Source**
1	Demilitarization	Required DLMS - PDC Required Legacy - FLIS Web Svc	SBSS A2_, A4_, A5J; CAS CTR
2	Shipped From	Not required – MILS_DLMS	SBSS A2_, A4_, A5J
3	Consignor	Not required – MILS_DLMS	CAS CTR, CDD
4	TAC	Required DLMS - PDC	SBSS A2_, A4_
5	RIC TO	Required - CMOS Implementation	SBSS A2_, A4_, A5J
6	Extended Cost	Not required – MILS_DLMS	SBSS A2_, A4_, A5J
7	Mark For	Not required – MILS_DLMS	SBSS A2_, A4_, A5J
8	NMFC/UFC	Required DLMS - PDC Required Legacy - FLIS Web Svc	SBSS A2_, A4_, A5J; CAS CTR
9	Type Cargo Code/Phrases	Required DLMS - PDC Required Legacy - FLIS Web Svc	SBSS A2_, A4_, A5J; CAS CTR
10	Lead Document Number	Required DLMS - PDC	CAS CTR, CDD
11	Controlled Item Code	Required DLMS - PDC Required Legacy - FLIS Web Svc	SBSS A2_, A4_, A5J; CAS CTR
12	Quantity Unit Item Pack	Required DLMS - PDC Required Legacy - FLIS Web Svc	SBSS A2_, A4_, A5J; CAS CTR
13	Shelf Life Code	Required DLMS - PDC Required Legacy - FLIS Web Svc	SBSS A2_, A4_, A5J; CAS CTR
14	Special Packing Instructs.	Required DLMS - PDC Required Legacy - FLIS Web Svc	SBSS A2_, A4_, A5J; CAS CTR
15	Item Nomenclature	Required DLMS - PDC Required Legacy - FLIS Web Svc	SBSS A2_, A4_, A5J; CAS CTR
16	Vehicle Reg, Wpns. No., SN	Required DLMS - PDC Required - CMOS Implementation	SBSS A2_, A4_, A5J; CAS CTR
17	Ship To Name & Address	Not required – MILS_DLMS	SBSS A2_, A4_, A5J; CAS CTR
18	Net Explosive Weight	Required DLMS 858B	CAS CTR
19	Lot Number	Required - CMOS Implementation	CAS CTR
20	DoDIC	Required DLMS - 858B	CAS CTR
21	Hazard Class/Division No.	Required DLMS - 858B	CAS CTR
22	UN/North America ID No.	Required DLMS - 858B	CAS CTR
23	Compatibility Group Code	Required DLMS - 858B	CAS CTR
24	Lot Pieces, Weight, Cube	Required DLMS - 858B	CAS CTR
25	Proper Shipping Name	Required DLMS - 858B	CAS CTR
26	Addt'l Req'd Hazmat Info	Required DLMS - 858B	CAS CTR
27	Container Info from TCMD	Required DLMS - 858B	CAS CTR
28	Priority Designator	Required CMOS Implementation	SBSS A5J
29	Various Transport Data	Required DLMS - 858B	CAS CRD
30	Assemblage Document #	Required Legacy - PDC	DMLSS

Step 2 - Incheck/Hold Status (945A)			
#	**Gap Data Element**	**Tab Location (Name)**	**Data Source**
1	Inchecker Number	Not Required - MILS_DLMS	SBSS SSC
2	Julian Date (Incheck Date)	Required - CMOS Implementation	SBSS SSC
3	Hold Code	Required - CMOS Implementation Required - DLMS PDC	SBSS SSC
4	Supply Response Status	Required Legacy - PDC	MILSTRIP/DLMS

Step 3b - Status Response (945A)			
#	**Gap Data Element**	**Tab Location (Name)**	**Data Source**
1	Hold Code	Required - CMOS Implementation Required DLMS - PDC	SBSS SSC

Step 4b - Cancellation Response (945A)			
#	**Gap Data Element**	**Tab Location (Name)**	**Data Source**
1	Cancellation Response	Required Legacy - PDC	MILSTRIP/DLMS

Step 5 - Shipment Notification (945A)			
#	**Gap Data Element**	**Tab Location (Name)**	**Data Source**
1	Inchecker Number	Not Required - MILS_DLMS	SBSS SSC; CAS CSI
2	Julian Date (Incheck Date)	Not Required - MILS_DLMS	SBSS SSC; CAS CSI
3	Shipped From	Required - CMOS Implementation	CAS CSI
4	Lot Number	Required - CMOS Implementation	CAS CSI

Step 1 - Release Order (940R)				
#	**Gap Data Element**		**Disposition**	**Data Source**
30 (New)	Assemblage Document #		PDC Required	DMLSS
		Issue	DMLSS needs to distinguish document number assigned to assemblage (kit) from multi-line item contents with various NSNs, part numbers. Not in MILSTRIP A2_, A4_, A5_ Not in 940R
		Rationale	Maintain linkage to original requisition for assembly and provide content visibility to what makes up the assembly at the individual line item level.
		Recommended Solution	Perpetuate document number from original requisition in 940R. Create loops to identify each of the line items by a new identification number and NSN/part number. Perpetuate 940R looping association to the DTEB's 856A Due-in Notice.
		PDC Requirement	940R: To be determined. Consider use of LS subloop to carry the NSN or part number information associated with the assembly identified in the W01 (position 200) segment. No change to MILS mappings; no room in A2_, A4_, A5_ to carry this.

Step 2 - Incheck/Hold Status (945A)				
#	**Gap Data Element**		**Disposition**	**Data Source**
4	Supply Status response		PDC Required	MILSTRIP/DLMS
		Issue	Need to distinguish 945A/AE6 status responses that are self-initiated by transportation versus those in response to a 940R/AF6 follow-up request Be able to provide transportation processing status for incheck of cargo for transportation planning and transportation hold actions
		Rationale	Provide in processing status information to supply system prior to material release confirmation transaction
		Recommended Solution	Allow AE6/945A without a related AF6/940R
		PDC Requirement	945A: Add X12 code "NO - Notice" to authorized code list for W0611. User note should convey that this is used by transportation to report cargo processing status prior to material release confirmation. Create DAAS map for 945A (W0611 = NO) to AE6

Step 4b - Cancellation Response (945A)				
#	**Gap Data Element**		**Disposition**	**Data Source**
1	Cancellation Response		PDC Required	MILSTRIP/DLMS
		Issue	Need to be able to provide status codes in the cancellation response AG6/AGJ do not allow for status codes
		Rationale	Be able to acknowledge action taken on a cancellation request
		Recommended Solution	Use AE6 vice AG6/AGJ Allow W0611 = NR & NT for AE6 Use LQ01 = 81/LQ02 = BF (No record of document for AC_ submitted), BQ (Cancellation confirmed; no longer being processed for shipment), B8 (Cancellation not processed; material already shipped). Use other status codes as necessary to indicate cancellation action taken by the transportation office.
		PDC Requirement	Create DAAS map for 945A (W0611 = NR, NT) to AE6 for transportation response to cancellation requests by storage activity

Step 1 - Release Order (940R)			
#	Gap Data Element	Disposition	Data Source
1	Demilitarization Code	FLIS Web Service	SBSS A2_, A4_, A5J; CAS CTR
	Issue	Not in MILSTRIP A2_, A4_, A5_ Not in 940R (W0506 = NA, NE, NI)	
	Rationale	Needed by transportation for USML identification (SED processing)	
	Recommended Solution	Option 1 - Transportation AIS develop web service with FLIS for lookup (preferred) Option 2 - DAAS do FLIS lookup and add to 940R Option 3 - Manual lookup by transportation AIS user	
	PDC Requirement	N/A	
8	NMFC/UFC	FLIS Web Service	SBSS A2_, A4_, A5J; CAS CTR
	Issue	Not in MILSTRIP A2_, A4_, A5_, A5J Not in 940R	
	Rationale	Needed for freight documentation	
	Recommended Solution	Option 1 - Transportation AIS develop web service with FLIS for lookup (preferred) Option 2 - DAAS do FLIS lookup and add to 940R Option 3 - Manual lookup by transportation AIS user	
	PDC Requirement	N/A	
9	Type Cargo Code/Phrases	FLIS Web Service	SBSS A2_, A4_, A5J; CAS CTR
	Issue	Not in MILSTRIP A2_, A4_, A5_, A5J Not in 940R	
	Rationale	Needed for freight documentation	
	Recommended Solution	Option 1 - Transportation AIS develop web service with FLIS for lookup (preferred) Option 2 - DAAS do FLIS lookup and add to 940R Option 3 - Manual lookup by transportation AIS user	
	PDC Requirement	N/A	
11	Controlled Item Code	FLIS Web Service	SBSS A2_, A4_, A5J; CAS CTR
	Issue	Not in MILSTRIP A2_, A4_, A5_, A5J Not in 940R	
	Rationale	Needed for freight documentation	
	Recommended Solution	Option 1 - Transportation AIS develop web service with FLIS for lookup (preferred) Option 2 - DAAS do FLIS lookup and add to 940R Option 3 - Manual lookup by transportation AIS user	
	PDC Requirement	N/A	
12	Quantity Unit Pack Code	FLIS Web Service	SBSS A2_, A4_, A5J; CAS CTR
	Issue	Not in MILSTRIP A2_, A4_, A5_, A5J Not in 940R	
	Rationale	Needed for freight documentation	
	Recommended Solution	Option 1 - Transportation AIS develop web service with FLIS for lookup (preferred) Option 2 - DAAS do FLIS lookup and add to 940R Option 3 - Manual lookup by transportation AIS user	
	PDC Requirement	N/A	
13	Shelf Life Code	FLIS Web Service	SBSS A2_, A4_, A5J; CAS CTR
	Issue	Not in MILSTRIP A2_, A4_, A5_, A5J Not in 940R	
	Rationale	Needed for freight documentation	
	Recommended Solution	Option 1 - Transportation AIS develop web service with FLIS for lookup (preferred) Option 2 - DAAS do FLIS lookup and add to 940R Option 3 - Manual lookup by transportation AIS user	
	PDC Requirement	N/A	
14	Special Packaging Instr. Nos.	FLIS Web Service	SBSS A2_, A4_, A5J; CAS CTR
	Issue	Not in MILSTRIP A2_, A4_, A5_, A5J Not in 940R	
	Rationale	Needed for freight documentation	
	Recommended Solution	Option 1 - Transportation AIS develop web service with FLIS for lookup (preferred) Option 2 - DAAS do FLIS lookup and add to 940R Option 3 - Manual lookup by transportation AIS user	
	PDC Requirement	N/A	

Step 1 - Release Order (940R)				
#	Gap Data Element		Disposition	Data Source
15	Item Nomenclature		FLIS Web Service	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_, A5J Not in 940R	
		Rationale	Needed for freight documentation	
		Recommended Solution	Option 1 - Transportation AIS develop web service with FLIS for lookup (preferred) Option 2 - DAAS do FLIS lookup and add to 940R Option 3 - Manual lookup by transportation AIS user	
		PDC Requirement	N/A	

Step 1 - Release Order (940R)				
#	Gap Data Element		Disposition	Data Source
5	RIC TO		CMOS Implementation	SBSS A2_, A4_, A5J
		Issue	RIC To identifies the storage site receiving the release order from the ICP (RIC From) Need logic for DAAS to route copies of specific transactions to certain CMOS sites	
		Rationale	Ensure CMOS receives the release orders at the correct CMOS site	
		Recommended Solution	CMOS and DAAS develop RIC-DODAAC cross reference identifying which RIC TOs are routed to a particular CMOS DODAAC	
16	Vehicle Reg, Wpns No., SN		CMOS Implementation	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_, A5J	
		Rationale	Need to convey the vehicle registration number and serial numbers to transportation for inclusion in freight documentation	
		Recommended Solution	Manual entry by CMOS user from accompanying documentation	
19	Lot Number		CMOS Implementation	CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_	
		Rationale	Required for CMOS freight documentation	
		Recommended Solution	Manual entry by CMOS user from accompanying documentation for other than CAS Use 940R N901 = BT segment (position 150) if supply system is DLMS compliant to carry the lot numbers.	
28	Priority Designator		CMOS Implementation	SBSS A5J
		Issue	Not in MILSTRIP A5J	
		Rationale	MILSTRIP does not carry the supply priority for disposal release orders, since the underlying assumption is that it is a low priority requirement.	
		Recommended Solution	Manual entry by CMOS user from accompanying documentation Use 940R LQ01 = 79 segment (position 1300) if supply system is DLMS compliant to carry the priority designator.	

Step 2 - Incheck/Hold Status (945A)				
#	Gap Data Element		Disposition	Data Source
2	Julian Date (Incheck Date)		CMOS Implementation	CMOS/SBSS (SSC)
		Issue	Need date to record when delivery process was started Not in MILSTRIP	
		Rationale	Contributes to CWT	
		Recommended Solution	Use G6201 (Pos: 50) = BR segment to record incheck date. This segment already carries the date of the transaction, which was confirmed by CMOS PMO to equate to the incheck date when this transaction is generated. DAAS will need to convert the CCYYMMDD from the 945A G6201 = BR segment to a Julian Date in the AE6 transaction, record position 62-64.	
3	Hold Code		CMOS Implementation	SBSS SSC
		Issue	Need code in AE6 and 945A status transactions to relate that there is a delay in transportation processing Normally transportation hold is conveyed in the AR_ or 945A (W0611 = NJ, NM) transactions	
		Rationale	Provide in processing status information to supply system prior to material release confirmation transaction	
		Recommended Solution	As an interim solution to the legacy MILS environment, either use a status code of BD to signify delay or use a status code of BA with a revised estimated ship date in the G6201 = 17 (position 50)	

Step 3b - Status Response (945A)				
#	Gap Data Element		Disposition	Data Source
1	Hold Code		CMOS Implementation	SBSS SSC
		Issue	Need code in AE6 and 945A status transactions to relate that there is a delay in transportation processing Normally transportation hold is conveyed in the AR_ or 945A (W0611 = NJ, NM) transactions
		Rationale	Provide in processing status information to supply system prior to material release confirmation transaction
		Recommended Solution	As an interim solution to the legacy MILS environment, either use a status code of BD to signify delay or use a status code of BA with a revised estimated ship date in the G6201 = 17 (position 50)

Step 5 - Shipment Notification (945A)				
#	Gap Data Element		Disposition	Data Source
3	Shipped From		CMOS Implementation	CAS CSI
		Issue	Identify the "shipped from" source Not in MILS
		Rationale	CMOS to verify what information is normally conveyed in this data element (i.e., ammunition bunker or traffic management office)
		Recommended Solution	To be determined
		PDC Requirement	To be determined
4	Lot Number		CMOS Implementation	CAS CSI
		Issue	Not in MILSTRIP AR_ Provide visibility as to which lot numbers for a particular release order shipped on which day
		Rationale	Not all lot numbers may ship on the same day.
		Recommended Solution	Keep CAS interface operational until they are DLMS compliant. Then use 945A N901 = BT segment (position 120) to carry the lot numbers.

Step 1 - Release Order (940R)				
#	Gap Data Element		Disposition	Data Source
1	Demilitarization Code		Future Requirement	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_	
			Not in 940R (W0506 = NA, NE, NI)	
		Rationale	Needed by transportation for USML identification (SED processing)	
		Recommended Solution	Add to 940R for use by DLMS compliant systems	
		PDC Requirement	940R: Modify LQ01 = FD user note to expand usage to material release orders (W0506 = NA) and redistribution/lateral distribution orders (W0506 = NI) in addition to current usage for disposal release orders (W0506 = NE).	
			No change to MILS mappings; no room in A2_, A4_, A5_ to carry this.	
4	TAC		Future Requirement	SBSS A2_, A4_
		Issue	Not in MILSRIP A2_, A4_	
			Not in 940R	
		Rationale	Only Air Force has NSN to TAC code logic embedded in item data	
		Recommended Solution	Option 1: CMOS develop TAC code logic (see how DSS did it)	
			Option 2: CMOS user enter manually	
			Option 3: Future DLMS-DLMS implementation	
		PDC Requirement	940R: Add FA201 = TA with applicable TAC entered into FA202.	
8	NMFC/UFC		Future Requirement	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_, A5J	
			Not in 940R	
		Rationale	Needed for freight documentation	
		Recommended Solution	Add to 940R for use by DLMS compliant systems	
		PDC Requirement	940R: Add W0110 and W0111 segments for commodity code identification. Use X12 qualifiers D (DOD Unique Commodity Code, N (NMFC), T (STCC), and U (UFC). Use for W0506 = NA, NE, and NI.	
			No change to MILS mappings, no room in A2_, A4_, A5_, A5J to carry this.	
9	Type Cargo Code/Phrases		Future Requirement	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_, A5J	
			Not in 940R	
		Rationale	Needed for freight documentation	
		Recommended Solution	Add to 940R for use by DLMS compliant systems	
		PDC Requirement	940R: Add LQ01/LQ02 segments for type cargo code. Use X12 qualifier NT (Type Cargo Code). Use for W0506 = NA, NE, and NI.	
			No change to MILS mappings, no room in A2_, A4_, A5_, A5J to carry this.	
10	Lead Document Number		Future Requirement	CAS CTR, CDD
		Issue	Not in the MILSTRIP A2_, A4_, A5_	
			Not in the 940R	
			Not known when the ICP releases the MRO to the storage point	
		Rationale	CMOS needs to know which MRO is the lead document number so they create the TCN correctly.	
		Recommended Solution	To be determined.	
		PDC Requirement	To be determined.	
11	Controlled Item Code		Future Requirement	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_, A5J	
			Not in 940R	
		Rationale	Needed for freight documentation	
		Recommended Solution	Add to 940R for use by DLMS compliant systems	
		PDC Requirement	940R: Add LQ01/LQ02 segments for CIIC. Use X12 qualifier EQ (CIIC). Use for W0506 = NA, NE, and NI.	
			No change to MILS mappings, no room in A2_, A4_, A5_, A5J to carry this.	
12	Quantity Unit Pack Code		Future Requirement	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_, A5J	
			Not in 940R	
		Rationale	Needed for freight documentation	
		Recommended Solution	Add to 940R for use by DLMS compliant systems	
		PDC Requirement	940R: Add LQ01/LQ02 segments for Quantity Unit Pack Code. Use X12 qualifier JD (Quantity Unit Pack Code). Use for W0506 = NA, NE, and NI.	
			No change to MILS mappings, no room in A2_, A4_, A5_, A5J to carry this.	
13	Shelf Life Code		Future Requirement	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_, A5J	
			Not in 940R	
		Rationale	Needed for freight documentation	

		Recommended Solution	Add to 940R for use by DLMS compliant systems	
		PDC Requirement	940R: Add LQ01/LQ02 segments for Shelf Life Code. Use X12 qualifier FE (Shelf Life Code). Use for W0506 = NA, NE, and NI.	
			No change to MILS mappings, no room in A2_, A4_, A5_, A5J to carry this.	
14	Special Packaging Instr. Nos.		Future Requirement	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_, A5J	
			Not in 940R	
		Rationale	Needed for freight documentation	
		Recommended Solution	Add to 940R for use by DLMS compliant systems	
		PDC Requirement	940R: Add LQ01/LQ02 segments for Special Packaging Instructions. Use X12 qualifier ZZ (Mutually Defined). Use for W0506 = NA, NE, and NI.	
			No change to MILS mappings, no room in A2_, A4_, A5_, A5J to carry this.	
15	Item Nomenclature		Future Requirement	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_, A5J	
			Not in 940R	
		Rationale	Needed for freight documentation	
		Recommended Solution	Add to 940R for use by DLMS compliant systems	
		PDC Requirement	940R: Modify W0106 = CN user note to eliminate restriction to use when W0104 = FT (FSC Identification). Use for W0506 = NA, NE, and NI.	
			No change to MILS mappings, no room in A2_, A4_, A5_, A5J to carry this.	
16	Vehicle Reg, Wpns No., SN		Future Requirement	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_, A5J	
			940R does not carry unique qualifier for vehicle registration number	
		Rationale	Need to convey the vehicle registration number and serial numbers to transportation for inclusion in freight documentation	
		Recommended Solution	Use the LS loop for conveying UIT information, serial numbers and vehicle registration numbers.	
			Serial number can be carried in the N901 = SE segment (position 150)	
			Vehicle registration number can be carried in the N901 = U3 (position 150)	
		PDC Requirement	940R: Add N907 segment to carry the UII Type per UID guidance.	

Step 2 - Incheck/Hold Status (945A)				
#	**Gap Data Element**		**Disposition**	**Data Source**
3	Hold Code		CMOS Implementation	SBSS SSC
		Issue	Need code in 945A (W0611 = NO) transactions to relate that there is a delay in transportation processing	
			Normally transportation hold is conveyed in the AR_ or 945A (W0611 = NJ, NM) transactions	
		Rationale	Provide in processing status information to supply system prior to material release confirmation transaction	
		Recommended Solution	Allow use of transportation hold codes to be passed in the 945A (W0611 = NO) to identify the nature of the delay.	
		PDC Requirement	945A: For W0611 = NO transactions, add LQ01 = BC to identify the use of a transportation hold code and pass the actual hold code in the LQ02 using the transportation hold code table in TMDS	

Step 3b - Status Response (945A)				
#	**Gap Data Element**		**Disposition**	**Data Source**
3	Hold Code		CMOS Implementation	SBSS SSC
		Issue	Need code in 945A (W0611 = NL) transactions to relate that there is a delay in transportation processing	
			Normally transportation hold is conveyed in the AR_ or 945A (W0611 = NJ, NM) transactions	
		Rationale	Provide in processing status information to supply system prior to material release confirmation transaction	
		Recommended Solution	Use transportation hold codes to be passed in the 945A (W0611 = NL) to identify the nature of the delay.	
		PDC Requirement	945A: For W0611 = NL transactions, add LQ01 = BC to identify the use of a transportation hold code and pass the actual hold code in the LQ02 using the transportation hold code table in TMDS	

Step 1 - Release Order (940R)				
#	Gap Data Element		Disposition	Data Source
18	Net Explosive Weight		Modified 858B	CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_ Not in 940R	
		Rationale	Required for freight documentation	
		Recommended Solution	Migrate to 858B (TCMD) Modify 858B BX01 segment to add a value of "14" for advance notification, to distinguish this from regular 858B transactions	
20	DoDIC		Modified 858B	CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_ Not in 940R	
		Rationale	Required for freight documentation	
		Recommended Solution	Migrate to 858B (TCMD) Modify 858B BX01 segment to add a value of "14" for advance notification, to distinguish this from regular 858B transactions	
21	Hazard Class/Division No.		Modified 858B	CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_ Not in 940R	
		Rationale	Required for freight documentation	
		Recommended Solution	Migrate to 858B (TCMD) Modify 858B BX01 segment to add a value of "14" for advance notification, to distinguish this from regular 858B transactions	
22	UN/North America ID No.		Modified 858B	CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_ Not in 940R	
		Rationale	Required for freight documentation	
		Recommended Solution	Migrate to 858B (TCMD) Modify 858B BX01 segment to add a value of "14" for advance notification, to distinguish this from regular 858B transactions	
23	Compatibility Group Code		Modified 858B	CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_ Not in 940R	
		Rationale	Required for freight documentation	
		Recommended Solution	Migrate to 858B (TCMD) Modify 858B BX01 segment to add a value of "14" for advance notification, to distinguish this from regular 858B transactions	
24	Lot Pieces, Weight, Cube		Modified 858B	CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_ Not in 940R	
		Rationale	Required for freight documentation	
		Recommended Solution	Migrate to 858B (TCMD) Modify 858B BX01 segment to add a value of "14" for advance notification, to distinguish this from regular 858B transactions	
25	Proper Shipping Name		Modified 858B	CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_ Not in 940R	
		Rationale	Required for freight documentation	
		Recommended Solution	Migrate to 858B (TCMD) Modify 858B BX01 segment to add a value of "14" for advance notification, to distinguish this from regular 858B transactions	
26	Addt'l Req'd. Hazmat Info		Modified 858B	CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_ Not in 940R	
		Rationale	Required for freight documentation	
		Recommended Solution	Migrate to 858B (TCMD) Modify 858B BX01 segment to add a value of "14" for advance notification, to distinguish this from regular 858B transactions	

Step 1 - Release Order (940R)				
#	**Gap Data Element**		**Disposition**	**Data Source**
27	Container Info from TCMD		Modified 858B	CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5_ Not in 940R	
		Rationale	Required for freight documentation	
		Recommended Solution	Migrate to 858B (TCMD) Modify 858B BX01 segment to add a value of "14" for advance notification, to distinguish this from regular 858B transactions	
29	Various Transport Data Elmts		Modified 858B	CAS CRD
		Issue	Not in MILSTRIP A2_, A4_, A5_ Not in 940R	
		Rationale	Required for freight documentation	
		Recommended Solution	Migrate to 858B (TCMD) Modify 858B BX01 segment to add a value of "14" for advance notification, to distinguish this from regular 858B transactions	

Step 1 - Release Order (940R)				
#	Gap Data Element		Disposition	Data Source
2	Shipped From		Not Required	SBSS A2_, A4_, A5J
		Issue	Not in MILSTRIP A2_, A4_, A5J	
		Rationale	Used by CMOS in DD1348-1A reprint process only	
		Recommended Solution	Delete from required data element list	
3	Consignor		Not Required	CAS CTR, CDD
		Issue	Not in MILSTRIP	
		Rationale	Used by CMOS in DD1348-1A reprint process only	
		Recommended Solution	Delete from required data element list	
6	Extended Cost		Not Required	SBSS A2_, A4_, A5J
		Issue	Not in MILSTRIP A2_, A4_, A5J Not in 940R	
		Rationale	Air Force Unique requirement	
		Recommended Solution	Recommend CMOS do the math internally by multiplying W10101 * AMT02	
7	Mark For		Not Required	SBSS A2_, A4_, A5J
		Issue	Not in MILSTRIP A2_, A4_, A5J Not in 940R	
		Rationale	Goes on military shipping label	
		Recommended Solution	Delete from required data element list	
17	Ship to Address & Name		Not Required	SBSS A2_, A4_, A5J; CAS CTR
		Issue	Not in MILSTRIP A2_, A4_, A5J	
		Rationale	Used by CMOS to generate freight documentation	
		Recommended Solution	Option 1: Obtain from DODAAF Option 2: Obtain from TMDS/TRDM	

Step 2 - Incheck/Hold Status (945A)				
#	Gap Data Element		Disposition	Data Source
1	Inchecker Number		Not Required	SBSS SSC
		Issue	Not in MILSTRIP Not in DLMS	
		Rationale	Used by CMOS to process transfer of material accountability	
		Recommended Solution	Consider use of AIT to satisfy requirement	

Step 5 - Shipment Notification (945A)				
#	Gap Data Element		Disposition	Data Source
1	Inchecker Number		Not Required	SBSS SSC
		Issue	Not in MILSTRIP Not in DLMS	
		Rationale	Used by CMOS to process transfer of material accountability	
		Recommended Solution	Consider use of AIT to satisfy requirement	
2	Julian Date (Incheck Date)		Not Required	SBSS SSC
		Issue	Not in MILSTRIP	
		Rationale	Contributes to CWT	
		Recommended Solution	Already transmitted in 945A from Step 2	