



DEFENSE LOGISTICS AGENCY
HEADQUARTERS
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IN REPLY
REFER TO J627

December 28, 2010

MEMORANDUM FOR SUPPLY PROCESS REVIEW COMMITTEE MEMBERS

SUBJECT: Approved Defense Logistics Management System (DLMS) Change (ADC) 405, DLMS Mapping for Air Force Unique Transactions Used between Air Force Locations and Expeditionary Combat Support System (ECSS) (Supply) (Staffed as PDC 427)

The attached change to DOD 4000.25-M, DLMS, is approved for implementation approximately February 1, 2011. The updated DLMS Supplements will be posted to the DLA Logistics Management Standards Office Web site <http://www.dla.mil/j-6/dlmso/elibrary/TransFormats/formats.asp> within **10** days from the above date for implementation planning.

Addressees may direct questions to Ms. Ellen Hilert, email: Ellen.Hilert@dla.mil. Others must contact their Component designated Supply Process Review Committee representative.

A handwritten signature in blue ink, appearing to read "Donald C. Pipp".

DONALD C. PIPP
Director
DLA Logistics Management
Standards Office

Attachment
cc:
ODASD(SCI)

ADC 405
DLMS Mapping for Air Force Unique Transactions
Used Between Air Force Locations and ECSS

1. ORIGINATING SERVICE/AGENCY AND POS INFORMATION:

- a. **Technical POC:** ESC/HGB, DSN 787-8921, Comm. 937.257.8921
- b. **Functional POC:** AF/A4IT, DSN 674-0799, Comm. 937.904.0799

2. FUNCTIONAL AREA:

- a. **Primary/Secondary Functional Area:** Supply.
- b. **Primary/Secondary Functional Process:** Redistribution Orders and Status.

3. BACKGROUND:

a. **Intent of the transaction:** With the implementation of the Expeditionary Combat Support System (ECSS), the AF is eliminating the need for some AF unique transactions. This request establishes DLMS mapping for unique AF transactions used between AF locations and ECSS:

- The BF7, Follow-up by ICP to Shipping Activity, transaction is used by the AF ICP to request status on a Redistribution Order (RDO) shipment request sent to an internal AF storage location or an AF base retail activity.
- The BL0, Redistribution Order Shipment Confirmation, transaction provides the shipment details to the AF ICP
- The B7A, Redistribution Order Denial, transaction informs the AF ICP of the RDO denial.

b. **Scenario for which the transaction is used:** These transactions are only used within the Air Force. The AF uses an A2_, Redistribution Order transaction to request that an AF base or an internal AF storage location ship material to another AF location/customer. The AF shipping activity then responds with a BL0, RDO Shipment Confirmation, or a B7A, RDO Shipment Denial transaction. If the AF ICP does not receive the shipment confirmation or a denial transaction in the allotted timeframe then the AF ICP will follow up using a BF7 transaction.

c. **Procedures, transactions, data elements, processing details in use today:** Refer to Enclosure 1, 2, and 3 for the current format of these transactions.

4. PROPOSED CHANGES(S): Revisions subsequent to PDC staffing are highlighted (including corrections provided by AF retail system design center, Gunter AFB).

a. **Requested change in detail:**

(1) Request that the DLA Transaction Services Defense Automatic Addressing System (DAAS) convert the BF7, Redistribution Order Follow-Up to Shipping Activity transactions generated from an AF Source of Supply (SOS = F**) into a 940R, Follow-up by ICP to Storage or Reporting Activity, prior to forwarding to ECSS. BF7 transactions directed to non-ECSS subsumed bases will not be converted.

(2) Request that DAAS convert the 945A, Materiel Release Confirmation - To ICP/IMM from Storage Activity transactions generated from ECSS to a BL0 (zero), Redistribution Order (RDO) Confirmation transaction, prior to sending to an AF ICP/IMM (Routing Identifier - To = D**). BL0 transactions generated by non-ECSS subsumed bases will not be converted.

(3) Request that DAAS convert the 945A, Materiel Release Denial transactions generated from ECSS to a B7A, Redistribution Order (RDO) Denial transaction, prior to sending to an ICP/IMM (Routing Identifier - To = D**). B7A transactions directed to non-ECSS subsumed bases will not be converted.

b. Alternatives: An alternative would be to program ECSS to generate and accept AF unique transactions during Release 1 instead of generating/accepting DLMS transactions. This would cause unnecessary system changes to ECSS for these transaction will not be used after Release 2 is implemented to include the Wholesale activities.

5. REASON FOR CHANGE: ECSS is being developed to be DLMS compliant. AF unique document identifier codes BF7, BL0, and B7A transactions match well with current DLMS equivalent 940R and 945A transaction but they have never been mapped to DLMS.

6. ADVANTAGES AND DISADVANTAGES:

a. Advantages (tangible/intangible): This change is internal to AF and allows the AF to establish the foundational DLMS processes in ECSS Release 1 (Retail) that will carry forward into Release 2 (Wholesale) with only minor adjustments.

b. Disadvantages: Changes to DAAS processing to convert the transactions.

7. NOTE ANY REGULATIONS OR GUIDANCE: AF Manual (AFMAN) 23-110, Volume 2, Part 2, and Volume 3, Part 3.

8. ADDITIONAL FUNCTIONAL REQUIREMENTS: This change is for intra-AF use only. No change/impact to other Component systems except for DAAS, to include no change/impact to the DLA Distribution Standard System at this time.

9. ESTIMATED TIME LINE/IMPLEMENTATION TARGET: Request changes by February 1, 2011 in order for ECSS to test the functionality.

10. ESTIMATED SAVINGS/COST AVOIDANCE ASSOCIATED WITH IMPLEMENTATION OF THIS CHANGE: Unknown.

11. IMPACT:

a. New DLMS Data Elements: There are no new functional DLMS data elements associated with this change request. A new value is established to allow identification of the new transaction purpose for the RDO Follow-up (see Enclosure 7).

b. Defense Automatic Addressing System (DAAS). DAAS mapping update is required to provide conversion between DLMS and AF unique transactions. Refer to Enclosures 4, 5, and 6 for a cross-walk between the AF unique transactions and the DLMS transactions.

c. DLMS Supplements. Refer to Enclosure 7 for DLMS Supplement updates.

d. Update DLMS to MILS Legacy Transaction Cross Reference Table:

DIC and Full Name	DLMS IC
BF7, Redistribution Order (RDO) Follow-Up to Shipping Activity	940R
BL0 (zero), Redistribution Order (RDO) Confirmation	945A
B7A, Redistribution Order (RDO) Denial	945A

Enclosure 1, BF7, Redistribution Order (RDO) Follow-Up to Shipping Activity Format

Pos No.	Pos	Field Designation	Remarks
1-3	3	Document Identifier Code	BF7
4-6	3	Routing Identifier Code – To	
7	1	Media and Status Code	
8-22	15	Stock Number	
23-24	2	Unit of Issue	
25-29	5	Quantity	
30-43	14	Document Number	
44	1	Suffix Code	
45-50	6	Supplementary Address	
51	1	Signal Code	
52-53	2	Fund Code	
54-56	3	Distribution Code	
57-59	3	Project Code	
60-61	2	Priority Code	
62-64	3	Release Date	
65-66	2	Advice Code	
67-69	3	Blank	
70	1	Ownership Code	Constant A
71	1	Supply Condition Code	
72-73	2	Blank	
74-76	3	Routing Identifier Code – From	
77-80	4	Blank	

Enclosure 2, BL0, Redistribution Order (RDO) Confirmation Format

Pos No.	Pos	Field Designation	Remarks
1-3	3	Document Identifier Code	BL0
4-6	3	Routing Identifier Code – To	
7	1	Media and Status Code	
8-22	15	Stock Number	
23-24	2	Unit of Issue	
25-29	5	Quantity	
30-43	14	Document Number	
44	1	Suffix Code	
45-50	6	Supplementary Address	This field will contain positions 1 through 6 of the TCN.
51	1	Hold Code	
52-53	2	Fund Code	
54-56	3	Distribution Code	
57-59	3	Date Shipped	
60-62	3	Date Received	Julian date minus the year
63-65	3	Routing Identifier – From	
66-76	11	Transportation Control Number (TCN)	Positions 6 through 17 of the TCN.
77	1	Mode of Shipment	
78-80	3	Date Available for Shipment	

Enclosure 3, B7A, Redistribution Order (RDO) Denial Format

Pos No.	Pos	Field Designation	Remarks
1-3	3	Document Identifier Code	B7A
4-6	3	Routing Identifier Code – To	
7	1	Media and Status Code	
8-22	15	Stock Number	
23-24	2	Unit of Issue	
25-29	5	Quantity	
30-43	14	Document Number	
44	1	Suffix Code	
45-50	6	Supplementary Address	
51	1	Signal Code	
52-53	2	Fund Code	
54-56	3	Distribution Code	
57-59	3	Project Code	
60-61	2	Priority Code	
62-64	3	Release Date	
65-66	2	Advice Code	
67-69	3	Date of Redistribution Order Denial	
70-71	2	Blank	
72	1	Management Code	Reason for denial
73	1	Blank	
74-76	3	Routing Identifier Code – From	
77-80	4	Blank	

Enclosure 4, BF7 (RDO Follow-Up) to 940R Cross-Walk

Pos No.	Seg ID	Ref Des	DLMS Data Element Name	Value	MILSTRIP Data Element Name	Position	Condition
0100	ST	ST01	Transaction Set Identifier Code	940			
		ST02	Transaction Set Control Number				
0200	W05	W0501	Order Status Code	N			
		W0502	Depositor Order Number				
		W0506	Transaction Type Code	NI			
		W0507	Action Code	82			
0400	N1	N101	Entity Identifier Code	Z4			
		N103	Identification Code Qualifier	M4	Routing Identifier From	74-76	RIC will be from Routing Identifiers F**
		N104	Identification Code				
		N106	Entity Identifier Code	FR			
1100	G62	G6201	Date Qualifier	07			
		G6202	Date Qualifier				
		G6203	Time Qualifier	W			
		G6204	Time				
0050	LX	LX01	Assigned Number				
0200	W01	W0101	Quantity Ordered		Quantity	25-29	
		W0102	Unit or Basis for Measurement Code		Unit of Issue	23-24	
		W0104	Product/Service ID Qualifier	FS			
		W0105	Product/Service ID		Stock Number	8-20	
0400	N9	N901	Reference Identification Qualifier	TN			
		N902	Reference Identification		Document Number	30-43	
		N907-01	Reference Identification Qualifier	W8			

Pos No.	Seg ID	Ref Des	DLMS Data Element Name	Value	MILSTRIP Data Element Name	Position	Condition
		N907-02	Reference Identification		Suffix Code	44	
0700	QTY	QTY01	Quantity Qualifier	46			
		QTY02	Quantity		Quantity	25-29	
0800	AMT	AMT01	Amount Qualifier Code	LI			
		AMT02	Monetary Amount				
0900	G62	G6201	Date Qualifier	09			
		G6202	Date (CCYMMDD)		Process Date	62-64	Julian Date minus the calendar year
1100	N1	N101	Entity Identifier Code	Z1			
		N103	Identification Code Qualifier	M4			
		N104	Identification Code		Routing Identifier - To	4-6	
		N106	Entity Identifier Code	TO			
1200	LM	LM01	Agency Qualifier Code	DF			
1300	LQ	LQ01	Code List Qualifier Code	0			
		LQ02	Industry Code		Document Identifier	1-3	BF7
		LQ01	Code List Qualifier Code	GQ			
		LQ02	Industry Code		MMAC	21-22	may be blank
		LQ01	Code List Qualifier Code	DF			
		LQ02	Industry Code		Media and Status Code	7	
		LQ01	Code List Qualifier Code	A9			
		LQ02	Industry Code		Supplementary Address	45-50	may be blank
		LQ01	Code List Qualifier Code	DE			
		LQ02	Industry Code		Signal Code	51	

Pos No.	Seg ID	Ref Des	DLMS Data Element Name	Value	MILSTRIP Data Element Name	Position	Condition
		LQ01	Code List Qualifier Code	AK			
		LQ02	Industry Code		Distribution Code	54-56	
		LQ01	Code List Qualifier Code	78			
		LQ02	Industry Code		Project Code	57-59	may be blank
		LQ01	Code List Qualifier Code	79			
		LQ02	Industry Code		Priority	60-61	
		LQ01	Code List Qualifier Code	80			
		LQ02	Industry Code		Advice Code	65-66	
		LQ01	Code List Qualifier Code	A1			
		LQ02	Industry Code		Ownership Code	70	Use constant "A"
		LQ01	Code List Qualifier Code	83			
		LQ04	Industry Code		Condition Code	71	
1350	LS	LS01	Loop Identifier Code				
2850	LE	LE01	Loop Identifier Code				
2900	FA1	FA101	Agency Qualifier Code	DY			
3000	FA2	FA201	Breakdown Structure Detail Code	B5	Fund Code	52-53	
200	SE	SE01	Number of Included Segments				
		SE02	Transaction Set Control Number				

Enclosure 5, 945A to BL0 (RDO Confirmation) Cross-Walk

Pos No.	Seg ID	Ref Des	DLMS Data Element Name	Value	MILSTRIP Data Element Name	Position	Condition
010	ST	ST01	Transaction Set Identifier Code	945			
		ST02	Transaction Set Control Number				
020	W06	W0601	Reporting Code	J			
		W0611	Transaction Type Code	NJ			
0400	N1	N101	Entity Identifier Code	SB			
		N103	Identification Code Qualifier	M4			
		N104	Identification Code		Routing Identifier - From	63-65	
		N106	Entity Identifier Code	FR			
110	G62	G6201	Date Qualifier	BB			
		G6202	Date (CCYYMMDD)		Date Received	60-62	Julian date minus year
		G6203	Time Qualifier	W			
		G6204	Time				
005	LX	LX01	Assigned Number				
020	W12	W1201	Shipment/Order Status Code	UR			
		W1207	Product/Service ID Qualifier	FS			
		W1208	Product/Service ID		Stock Number	8-20	
040	N9	N901	Reference Identification Qualifier	TN			
		N902	Reference Identification		Document Number	30-43	
		N907-01	Reference Identification Qualifier	TG			

Pos No.	Seg ID	Ref Des	DLMS Data Element Name	Value	MILSTRIP Data Element Name	Position	Condition
		N907-02	Reference Identification		Transportation Control Number	66-76	Position 6-17 of TCN
		N907-01	Reference Identification Qualifier	W8			
		N907-02	Reference Identification Qualifier		Suffix Code	44	
050	G62	G6201	Date Qualifier	11			
		G6202	Date (CCYMMDD)		Date Shipped	57-59	Julian date minus year
		G6201	Date Qualifier	BH			
		G6202	Date (CCYMMDD)		Date Available for Shipment	78-80	Julian date minus year
055	QTY	QTY01	Quantity Qualifier	39			
		QTY02	Quantity		Quantity	25-29	
		QTY03	Composite Unit of Measure				
		QTY03-01	Unit or Basis for Measurement Code		Unit of Issue	23-24	
060	AMT	AMT01	Amount Qualifier Code	NT			
		AMT02	Monetary Amount				
075	W27	W2701	Transportation Method/Type Code		Mode of Shipment	77	
		W2702	Standard Carrier Alpha Code				
080	N1	N101	Entity Identifier Code	Z4			
		N103	Identification Code Qualifier	M4			
		N104	Identification Code		Routing Identifier - To	4-6	
		N106	Entity Identifier Code	TO			
090	LM	LM01	Agency Qualifier Code	DF			
100	LQ	LQ01	Code List Qualifier Code	0			

Pos No.	Seg ID	Ref Des	DLMS Data Element Name	Value	MILSTRIP Data Element Name	Position	Condition
		LQ02	Industry Code		Document Identifier	1-3	BL0 (0=zero)
		LQ01	Code List Qualifier Code	GQ			
		LQ02	Industry Code		MMAC	21-22	may be blank
		LQ01	Code List Qualifier Code	DF			
		LQ02	Industry Code		Media and Status Code	7	
		LQ01	Code List Qualifier Code	A9			
		LQ02	Industry Code		Supplementary Address	45-50	
		LQ01	Code List Qualifier Code	AK			
		LQ02	Industry Code		Distribution Code	54-56	
105	LS	LS01	Loop Identifier Code				
165	LE	LE01	Loop Identifier Code				
170	FA1	FA101	Agency Qualifier Code	DY			
		FA102	Service, Promotion, Allowance or Charge Code	I260			
180	FA2	FA201	Breakdown Structure Detail Code	B5	Fund Code	52-53	
		FS202	Financial Information Code				
20	SE	SE01	Number of Included Segments				
		SE02	Transaction Set Control Number				

Enclosure 6, 945A to B7A (RDO Denial) Cross-Walk

Pos No.	Seg ID	Ref Des	DLMS Data Element Name	Value	MILSTRIP Data Element Name	Position	Condition
010	ST	ST01	Transaction Set Identifier Code	945			
		ST02	Transaction Set Control Number				
020	W06	W0601	Reporting Code	J			
		W0611	Transaction Type Code	NK			
0400	N1	N101	Entity Identifier Code	SB			
		N103	Identification Code Qualifier	M4			
		N104	Identification Code		Routing Identifier - From	74-76	
		N106	Entity Identifier Code	FR			
110	G62	G6201	Date Qualifier	BB			
		G6202	Date		Release Date	62-64	Julian date minus year
		G6203	Time Qualifier	W			
		G6204	Time				
005	LX	LX01	Assigned Number				
020	W12	W1201	Shipment/Order Status Code	UR			
		W1207	Product/Service ID Qualifier	FS			
		W1208	Product/Service ID		National Stock Number	8-20	
040	N9	N901	Reference Identification Qualifier	TN			
		N902	Reference Identification		Document Number	30-43	

Pos No.	Seg ID	Ref Des	DLMS Data Element Name	Value	MILSTRIP Data Element Name	Position	Condition
		N907-01	Reference Identification Qualifier	W8			
		N907-02	Reference Identification		Suffix Code	44	
050	G62	G6201	Date Qualifier	09			
		G6202	Date				
		G6201	Date Qualifier	BU			
		G6202	Date		Date of RDO Denial	67-69	Julian date minus year
055	QTY	QTY01	Quantity Qualifier	QC			
		QTY02	Quantity Qualifier		Quantity	25-29	
		QTY03	Composite Unit of Measure	ZZ			
		QTY03-01	Unit or Basis for Measurement Code		Unit of Issue	23-24	
060	AMT	AMT01	Amount Qualifier Code	NT			
		AMT02	Monetary Amount				
080	N1	N101	Entity Identifier Code	Z4			
		N103	Identification Code Qualifier	M4			
		N104	Identification Code		Routing Identifier - To	4-6	
		N106	Entity Identifier Code	TO			
090	LM	LM01	Agency Qualifier Code	DF			
100	LQ	LQ01	Code List Qualifier Code	0			
		LQ02	Industry Code		Document Identifier Code	1-3	B7A
		LQ01	Code List Qualifier Code	DF			
		LQ02	Industry Code		Media and Status Code	7	
		LQ01	Code List Qualifier Code	GQ			
		LQ02	Industry Code		MMAC	21-22	

Pos No.	Seg ID	Ref Des	DLMS Data Element Name	Value	MILSTRIP Data Element Name	Position	Condition
		LQ01	Code List Qualifier Code	A9			
		LQ02	Industry Code		Supplementary Address	45-50	
		LQ01	Code List Qualifier Code	DE			
		LQ02	Industry Code		Signal Code	51	
		LQ01	Code List Qualifier Code	AK			
		LQ02	Industry Code		Distribution Code	54-56	
		LQ01	Code List Qualifier Code	78			
		LQ02	Industry Code		Project Code	57-59	
		LQ01	Code List Qualifier Code	79			
		LQ02	Industry Code		Priority	60-61	
		LQ01	Code List Qualifier Code	80			
		LQ02	Industry Code		Advice Code	65-66	
		LQ01	Code List Qualifier Code	84			
		LQ02	Industry Code		Management Code	72	Reason for denial
105	LS	LS01	Loop Identifier Code				
165	LE	LE01	Loop Identifier Code				
170	FA1	FA101	Agency Qualifier Code	DY			
180	FA2	FA201	Breakdown Structure Detail Code	B5	Fund Code	52-53	
		FA202	Financial Information Code				
20	SE	SE01	Number of Included Segments				
		SE02	Transaction Set Control Number				

Enclosure 7, Material Release Order/Material Release Advice DLMS Supplements

Section A - DS 940R Material Release

Item #	Location	DS 940R Material Release Revision	Reason
1.	DLMS Introductory Notes	<p><u>Add ADC 405 to DLMS Introductory note 6:</u></p> <p><i>- ADC 405, DLMS Mapping for Air Force Unique Transactions Used between Air Force Locations and Expeditionary Combat Support System (ECSS)</i></p>	Identifies DLMS Changes included in the DLMS Supplement
2.	1/W0507/0200	<p><u>Add new Qualifier 82 and associated DLMS note:</u></p> <p>82 Follow Up DLMS Note: <i>Use with W0506=NI, Redistribution Order (RDO) to identify an RDO Follow-up by ICP to the shipping activity. This transaction is used by the AF ICP to request status on a RDO shipment request sent to an internal AF storage location or an AF base retail activity (equates to DI BF7). Authorized DLMS migration enhancement in support of ECSS. Refer to ADC 405.</i></p>	Identifies DLMS mapping for RDO Follow-up.
3.	2/N907-01/0400	<p><u>Revise DLMS Note 1 as follows:</u></p> <p>W8 Suffix DLMS Note: <i>1. Use with N901 code TN for all transactions other than redistribution orders, to identify the transaction document number suffix. (Exception authorized for use in intra-AF RDOs.)</i></p>	Expands usage; Intra-AF RDOs allow suffixing. (Since original note excluded the RDO, a separate note will be added.)

Section B - DS 945A Material Release Advice

Item #	Location	DS 945A Material Release Advice Revision	Reason
1.	DLMS Introductory Notes	<p><u>Add ADC 405 to DLMS Introductory note 6:</u></p> <p><i>- ADC 405, DLMS Mapping for Air Force Unique Transactions Used between Air Force Locations and Expeditionary Combat Support System (ECSS)</i></p>	Identifies DLMS Changes included in the DLMS Supplement

Item #	Location	DS 945A Material Release Advice Revision	Reason
2.	1/W0611/20	<p><u>Add new DLMS note:</u></p> <p>NJ Material Release Confirmation DLMS Note: <i>1. Use to provide confirmation on a material release order. (This corresponds to DLSS Document Identifier ARA, ARB, ARO, AUA, AUB, or AU0.)</i> <i>2. Use to identify Redistribution Order Shipment Confirmation. This transaction provides shipment details from an internal AF storage location or an AF base retail activity to the AF ICP (Equates to DI BL0). Authorized DLMS migration enhancement in support of ECSS. Refer to ADC 405.</i></p> <p>NK Material Release Denial DLMS Note: <i>1. Use to provide denial (warehouse refusal) information on a material release order. (This corresponds to DLSS Document Identifier A6_, except A6J)</i> <i>2. Use to identify RDO Shipment Denial. This transaction provides shipment denial response from an internal AF storage location or an AF base retail activity to the AF ICP (Equates to DI B7A). Authorized DLMS migration enhancement in support of ECSS. Refer to ADC 405.</i></p>	<p>Identifies DLMS mapping for RDO Shipment Confirmation.</p> <p>Identifies DLMS mapping for RDO Denial.</p>
3.	2/QTY01/55	<p><u>Revise DLMS Note as follows:</u></p> <p>QC Quantity Disapproved DLMS Note: <i>Use in material release denial, historical material release denial, disposal release denial, and historical disposal release denial transactions to identify the quantity of the warehouse refusal. (This equates to the quantity carried in DLSS Document Identifier A6_.) (Also applicable to intra-AF RDO denial.)</i></p>	<p>Expands usage. (Since original note excluded the RDO, a separate note will be added.)</p>