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July 3, 2007

IN REPLY  
REFER TO DLMSO

MEMORANDUM FOR SUPPLY PROCESS REVIEW COMMITTEE (PRC) MEMBERS

SUBJECT: Approved Defense Logistics Management System (DLMS) Change (ADC) 247,  
Revise DLMS Supplement 527R to Authorize Use of Transportation Control  
Number (TCN) with Materiel Receipt Acknowledgment (MRA) and Receipt  
(Supply) (Staffed as PDC 246)

The attached change to DOD 4000.25-M, DLMS, is approved for implementation. The updated DLMS Supplement will be posted to the Defense Logistics Management Standards Office (DLMSO) Web site <http://www.dla.mil/j-6/dlmso/elibrary/TransFormats/formats.asp> within **10** days from the above date for implementation planning. Components should ensure that inclusion of the TCN in a DS 527R does not cause inappropriate rejection of the transaction.

Addressees may direct questions to the DLMSO point of contact, Ms. Mary Jane Johnson, e-mail: [Mary.Jane.Johnson@dla.mil](mailto:Mary.Jane.Johnson@dla.mil). Others must contact their Component designated Supply Process Review Committee representative.

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

DONALD C. PIPP  
Director  
Defense Logistics Management  
Standards Office

Attachment

cc:  
DUSD(L&MR)SCI  
CAV Program Office (Attn: DOD CAV II Program Manager)  
USAF CAV Office

## ATTACHMENT TO ADC 247

### Revise DLMS Supplement 527R to Authorize Use of Transportation Control Number (TCN) with Materiel Receipt Acknowledgment (MRA) and Receipt (Supply)

#### 1. ORIGINATOR:

- a. **Service/Agency:** USAF and the Defense Logistics Management Standards Office (DLMSO)
- b. **Originator:** HQ AFMC/A4NS1, DSN: 986-1041; USAF contractor support, phone: 843-760-3487.
- c. **Sponsored by:** DLMSO, Ms. Mary Jane Johnson, MILSTRAP Administrator and proponent for MILSTRAP functionality under the Defense Logistics Management System (DLMS).

#### 2. FUNCTIONAL AREA:

- a. **Primary:** Supply
- b. **Secondary(ies):** Commercial Asset Visibility (CAV) Government Furnished Material (GFM) supporting repair actions

#### 3. REQUESTED CHANGES:

- a. **Title:** Revise DLMS Supplement 527R to Authorize Use of Transportation Control Number (TCN) with Materiel Receipt Acknowledgment (MRA) and Receipt (Supply)
- b. **Description of Change:** Revise DLMS Supplement (DS) 527R, and corresponding DLMS XML and DOD XML constructs, to authorize use of the Transportation Control Number (TCN) in the MRA transaction and in the receipt transaction. USAF identified requirement for inclusion of TCN in the MRA. DLMSO supports that requirement and identified additional requirement to include TCN in receipt transactions when available.

#### c. **Procedures:**

(1) Revise DOD 4000.25-M, DLMS, Chapter 13, subparagraph C13.5.3.6 (change is identified by *red, bold, italicized* text):

“C13.5.3.6. Acknowledgement of Split or Partial Shipments. When a shipped line item (requisition transaction number and suffix code) is consigned as a split or partial shipment, submit DS 527R *MRA* for the shipment segments as they are received. *The split or partial shipment codes are part of the Transportation Control Number (TCN) structure in accordance with DoD 4500.9-R. Accordingly, reporting activities shall include the TCN in the MRA transaction when it is available.* If the total quantity for the shipped line item is not received by the due-in date, report the missing quantity, citing Discrepancy Indicator Code F, in accordance with the guidance in the *DS-527R MRA transaction.*”

(2) Revise DS 527R as follows:

Item #	Location	Revision to 527R, Receipt, Inquiry, Response and MRA	Reason	Federal IC Impact
1.	DLMS Introductory Note:	<u>Add ADC 247 to DLMS Introductory note 7.</u> <i>ADC 247, Revise DLMS Supplement 527R to Authorize Use of Transportation Control Number (TCN) with Materiel Receipt Acknowledgment (MRA) and Receipt (Supply).</i>	To identify DLMS changes included in the DS	No update needed.
2.	2/N901/90	<u>Add new DLMS note 2 for qualifier 'TG' as follows (change identified by <i>red, bold, italicized</i> text):</u>  TG Transportation Control Number (TCN)  DLMS Note:  1. Must use TCN with inquiries on delinquent MRA.  <i>2. Use with MRA and receipt transactions when available. Authorized DLMS migration enhancement; see introductory DLMS note 5.g.</i>	To provide for use of TCN with MRA and receipt transactions.	No update needed.

**4. REASON FOR CHANGE :**

**a. USAF CAV:** The USAF CAV office stated that if the incoming shipment has a reference to the TCN, the TCN information is required by the CAV GFM system for MRA.

**b. DLMSO:**

(1) DLMSO supports use of the TCN with the MRA transaction to eliminate, under DLMS, an existing procedural void in MILSTRAP. Inclusion of the TCN supports existing MRA procedures which state that: “When a shipped line item (requisition transaction number and suffix code) is consigned as a split or partial shipment, submit DS 527R for the shipment segments as they are received.” The split or partial shipment codes are part of the TCN. The TCN structure can be found in DOD 4500.9-R, Defense Transportation Regulation (DTR) (see the following link for the DTR TCN appendix: [http://www.transcom.mil/j5/pt/dtr\\_part\\_ii\\_app\\_1.pdf](http://www.transcom.mil/j5/pt/dtr_part_ii_app_1.pdf)). Accordingly inclusion of the TCN in the MRA supports and improves the MRA process allowing the MRAs which are differentiated based on split/partial shipments to be identified in the transaction. **Since MRAs are generally created as a byproduct of the reporting activity’s receipt process, DLMSO has also provided for inclusion of the TCN in receipt transactions, when available, as part of this change.**

(2) The need for the TCN partial and split shipment information in MRA and retail receipt transactions was identified and discussed in a series of Supply Process Review Committee (SPRC) Meetings in 2000-2001, but was never resolved. **Following is an excerpt of the minutes from SPRC Meeting 01-1:**

**“MRA Procedural Void.** As noted at SPRC meeting 00-3, the increased use of partial shipments in DSS may result in considerable DoD processing problems, if retail receipt and MRA systems are not designed to react to the partial shipment coding in the TCN. Rp 7 of DI Codes DRA/DRB [MRA] provides for Service use as follows: "For U.S. forces shipments, enter data prescribed by the Service or Agency (e.g. code for controlling receipt of partial or split quantities).", however the procedures provide no definitive guidance for MRA reporting based on coding in the TCN. If receipt and MRA systems/procedures are not considering the TCN partial code, as multiple AS\_ transactions are received with the same document#/suffix, but different TCNs due to partial shipments, when the first shipment processes, lack of due-in for subsequent shipments may result in associated Supply Discrepancy Reports. There may be a similar problem with trans-shipment activity split shipments however, unlike DSS partial shipments, we do not have a sense of the volume of shipments that transshipment activities split. Also of concern, are the procedures in place for DAAS MRA processing whereby the first MRA identified by document#/suffix may be accepted and any subsequent “matching” MRAs would not be recognized. Additionally, there are no provisions for reversing or correcting the MRA quantity. It is believed these factors have an impact on the LRT/CWT reporting process. Split shipments may be further complicated in that the conveying transactions (TAV/TAW) may not interface with the retail receiving process. DLA indicated that DSS split shipments would not reflect split code in rp 17 of the TCN in the AS\_ transaction, but would routinely contain an "X" instead. DLMSO reiterated the request for the Services to provide documentation on their receipt and MRA systematic and procedural processing for partial and split shipments. This information is necessary to understand the extent of what we suspect is a systematic and procedural void. DLMSO will use the requested information in developing a proposed DLMS change to address the issue in the MRA procedures. The Services should be looking at the same information to identify/correct possible voids in their retail receipt processing.”

(3) This change was discussed at SPRC Meeting 07-1, May 16-18, 2007. Discussion of the change (PDC 246) took several paths to address related areas/impacts that should be looked at, however the group agreed with the change requirement for adding the TCN to the DLMS 527R to facilitate addressing known deficiencies. An excerpt from SPRC Meeting 07-1, for the discussion of PDC 246, is provided at the Enclosure.

**(4) Comments received for PDC 246 are as follows:**

Component	Comment
Army	1. Army concurs with subject change.  2. Comments (Chief, Customer Support Division, LAISO National Business Area Lead for Distribution, 256-313-4424, DSN 897-4424):  a. LAISO, Chief, LAISO National BAL for Distribution, We concur. Since the TCN is relative to the Material Receipts and Acknowledgements, the Inventory Management Function and Supply Chain Execution Business Area will have the primary input.  b. IMMC, Recommend we concur. This is a proposal to include TCN in the receipt documentation. This proposal would require posting the receipt using the TCN rather than just the document number. Primarily this is supply/inventory issue. However, it would be advantageous to Transportation when tracking/obtaining PODs for split shipments.
Air Force	Concur

<b>Component</b>	<b>Comment</b>	<b>Disposition</b>
<b>DLA</b>	Concur	
<b>DFAS</b>	No comments	
<b>DAASC</b>	The proposed change to the MRA document states that the affected systems at DAASC would be WEBVLIPS and MRA Reports. This change would impact more than just WEBVLIPS and MRA Reports. LMARS rules would have to be adjusted. A determination would need to be made as to when LMARS would close the pipeline. Our LOTS database tables and parsing rules would have to be adjusted. All systems pulling data from LOTS, both internal DAASC and external, would need to be notified and their systems adjusted accordingly. I wanted to make it clear that this would not be a small change for DAASC.	Noted. See SPRC 07-1 Discussion at enclosure.

## 5. ADVANTAGES AND DISADVANTAGES:

### a. Advantage(s):

(1) Provides for use of the TCN in the DLMS receipt and MRA transactions/processes addressing a known void for providing/considering TCN partial and split shipment code information in the MRA process.

(2) Supports USAF CAV requirement for providing the TCN in the MRA when available.

### b. Disadvantage(s): None known.

## 6. IMPACT:

### a. Publications:

(1) Revise DOD 4000.25-M, DLMS, and DLMS Supplement 527R as shown. Corresponding changes to incorporate TCN will be made to DLMS XML MRA and receipt transactions.

(2) May require revision to supporting DOD Component publications and procedures.

**b. Automated Information Systems.** May require revision to DOD Component MRA reporting activity receipt and MRA processing systems, which do not already recognize/process the TCN, to incorporate use of the TCN.

**c. Defense Automatic Addressing System (DAAS).** May require revision to DAAS Web Visual Logistics Information Processing System (WebVLIPS) and MRA report to capture the TCN and display multiple MRAs for partial/split shipments.

Enclosure

## **Enclosure to ADC 247**

### **Revise DLMS Supplement 527R to Authorize Use of TCN with MRA and Receipt (Supply)**

**Excerpt from Minutes of Supply Process Review Committee Meeting 07-01** (DLMSO Memorandum, June 29, 2007, subject: Defense Logistics Management Systems (DLMS) Supply Process Review Committee Meeting 07-01, May 16-18, 2007, available at <http://www.dla.mil/j-6/dlmso/Programs/Committees/Supply/supplyPRC.asp>):

**“(8) PDC 246, Revise DLMS Supplement 527R to Authorize Use of Transportation Control Number (TCN) with Materiel Receipt Acknowledgment (MRA) and Receipt. BACKGROUND.** This proposed change revises DS 527R, and corresponding DLMS XML constructs, to authorize use of the TCN in the MRA transaction and in the receipt transaction. USAF identified requirement for inclusion of TCN in the MRA to support their Commercial Asset Visibility (CAV) process. DLMSO expanded the requirement for TCN beyond CAV to address a known void for providing/considering TCN partial and split shipment code information in the MRA and retail receipt process. **DISCUSSION.** Ms. Johnson indicated that the need for TCN to identify partial and split shipment information in the MRA and retail receipt transactions was identified and discussed in a series of SPRC Meetings, but was never resolved. This change supports resolution of the problem by providing the TCN in the DLMS 527R MRA and receipt. The variable length DLMS transaction allows inclusion of data that was not possible under the 80 record position constraint of the MILSTRAP DI Codes DRA/DRB, D6\_. One of the reasons behind this change is the increased use of partial shipments in the Distribution Standard System (DSS) which may result in considerable DOD processing problems if receipt and MRA systems/procedures are not considering the TCN partial code. As multiple AS\_ transactions are received with the same document number/suffix, but different TCNs due to partial shipments, when the first shipment processes, lack of due-in for subsequent shipments may result in associated Supply Discrepancy Reports. Currently, RP 7 of DI Codes DRA/DRB (MRA) provides for Service use as follows: “For U.S. forces shipments, enter data prescribed by the Service or Agency (e.g. code for controlling receipt of partial or split quantities)”, however there is no definitive guidance for MRA reporting based on partial/split shipment coding in the TCN. Ms. Johnson asked the Services to identify what information is in RP7 of DRA/DRB transactions they generate. During this discussion it was noted that the partial code had been added to the 2D barcode on the Issue Release/Receipt Document (IRRD) (DD Form 1348-1A) by ADC 44. Discussion of this topic took several paths to address related areas/impacts that should be looked at, however the group agreed with the PDC requirement for adding the TCN to the DLMS 527R to facilitate addressing known deficiencies. **ACTION: Services** provide documentation of what information is in RP7 of their DRA/DRB transactions. **DLA** provide status of the implementation of the partial code in the 2D barcode.

**[a] Logistics Metrics Analysis Reporting System (LMARS) and DAAS Logistics On-Line Tracking System (LOTS).** Prior to the meeting DAASC provided comments to the PDC which indicated that in addition to potential changes required in the DAASC Web Visual Logistics Information Processing System (WebVLIPS) and MRA Reports (such as displaying multiple MRAs for partial/split shipments based on the TCN entry), LMARS and LOTS rules would have to be adjusted. This represents a significant change for DAASC. DAASC indicated a determination would need to be made as to when LMARS would close the pipeline. Additionally DAASC indicated LOTS database tables and parsing rules would have to be adjusted. The DLMSO Director asked who would address the LMARS impact. The DUSD(L&MR)SCI representative agreed it would be a DUSD(L&MR)SCI and/or DAASC initiative to address LMARS impact. **ACTION.** LMARS impact of processing MRAs for partial/split shipments by including the TCN under DLMS should be addressed through DUSD(L&MR)SCI/DAASC channels.”