



DEFENSE LOGISTICS AGENCY  
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IN REPLY  
REFER TO



MEMORANDUM FOR PIPELINE MEASUREMENT PROCESS REVIEW COMMITTEE  
(PM PRC) MEMBERS

SUBJECT: Approved Defense Logistics Management System (DLMS) Change (ADC) 1025, Update of Routing Identifier Codes, DOD Activity Address Codes, Reparable/Non-reparable National Item Identification Numbers, and Combatant Command designations in the Logistics Metrics Analysis Reporting System (LMARS) (Staffed as PDC 481)

The attached change to DLM 4000.25, Defense Logistics Management System (DLMS), Volume 6, Chapter 4, Pipeline Measurement, the Logistics Metrics Analysis Reporting System (LMARS) business rules is approved for implementation. The changes to the DLMS Website [www.dla.mil/j-6/dlmso/elibrary/manuals/dlm/dlm\\_pubs.asp](http://www.dla.mil/j-6/dlmso/elibrary/manuals/dlm/dlm_pubs.asp) will be posted within 10 days from the above date for implementation planning. Target implementation date for DLA Transaction Services LMARS changes is estimated to be complete by February 2013.

Addressees may direct questions to Mr. Kenneth Deans, Chair, Pipeline Measurement PRC at 703-767-2611, DSN 427-2611 or email: [Kenneth.Deans@dla.mil](mailto:Kenneth.Deans@dla.mil). Others must contact their Component designated representative.

DONALD C. PIPP  
Director  
DLA Logistics Management  
Standards Office

Attachment  
As stated

cc:  
ODASD(SCI)



## ADC 1025

### Update of Routing Identifier Codes, DOD Activity Address Codes, Reparable/Non-reparable National Item Identification Numbers, and Combatant Command Designations in the Logistics Metrics Analysis Reporting System (LMARS)

#### 1. ORIGINATING SERVICE/AGENCY AND POC INFORMATION:

- a. **Technical POC:** DLA Transaction Services, 937-431-8000
- b. **Functional POC:** DLA Logistics Management Standards, 703-767-2611, DLA HQ, J33, 703-767-7297

#### 2. FUNCTIONAL AREA:

- a. **Primary/Secondary Functional Area:** Logistics Metrics
- b. **Primary/Secondary Functional Process:** LMARS

#### 3. REFERENCES:

- a. DOD 4140.1R Supply Chain Materiel Management Regulations  
  
DLM Manual 4000.25, Defense Logistics Management System, Volume 6, Chapter 4, LMARS  
Business Rules: <https://www2.transactionservices.dla.mil/lmars/busrules.asp>
- b. DLA Logistics Management Standards Memorandum, November 29, 2011, subject: Approved DLMS Change (ADC) 462, Defense Logistics Management System, Volume 6, Chapter 4, Pipeline Measurement, Logistics Metric Analysis System (LMARS) available at: [www.dla.mil/j-6/dlms/eLibrary/Manuals/DLM/V6/v6c4.docx](http://www.dla.mil/j-6/dlms/eLibrary/Manuals/DLM/V6/v6c4.docx)
- c. Deputy Assistant Secretary of Defense, Supply Chain Integration, Memorandum, September 24, 2010, subject: Establishment of the Pipeline Measurement (PM) Process Review Committee (PRC).
- d. DLA Logistics Management Standards Memorandum, September 21, 2011, Approved DLMS Change (ADC) 448, Implementation of International Organizations for Standardization (ISO) 3166-1 Codes for the identification of Countries and their Subdivisions, available at: [www.dla.mil/j-6/dlms/eLibrary/Changes/approved5.asp](http://www.dla.mil/j-6/dlms/eLibrary/Changes/approved5.asp).

#### 4. APPROVED CHANGES(S):

- a. **Brief Overview of Change:** This change updates specific LMARS configuration and business rules that Components/Agencies have implemented since the Customer Wait Time Committee ceased its operation several years ago. Changes from PDC 481 are highlighted in yellow.

(1) Each Component/Agency shall provide an updated, current listing of the Routing Identifier Codes (RIC) of each activity/location that functions as a wholesale Inventory Control Point Supply Processing Time (ICP) for that Component. Refer to Pipeline Segment Three of LMARS.

(2) Each Component/Agency shall provide a listing of those RICs that shall be used by DLA Transaction Services to indicate Service Processing Time in Pipeline Segment Two of LMARS, prior to the ICP processing the requisition for release to a storage activity.

(3) Each Component shall provide either a listing or business logic to identify all Department of Defense Activity Address Codes (DoDAACs) that identify National Guard or Reserve units for that Service for appropriate Guard and Reserve reports.

(4) United States Transportation Command (USTRANSCOM) shall provide the business logic to identify the DoDAACs assigned to each Combatant Command (COCOM) to coordinate its reporting of Time Definite Delivery (TDD) LMARS reports.

(5) Components/Agencies shall validate reparable codes by Component to ensure the Table contains the code set for reparable NIINs that will be used to flag reparables in the FLIS catalog by Component. These NIINs are used to filter transaction data to generate the Wholesale ICP Reparable NSN Reports.

**b. Background:**

(1) LMARS uses the RICs provided by the Components to filter transactions into the correct segment categories for specific LMARS reports. Each document number that contains a Requisition TO-RIC and each Materiel Release Order (MRO) that contains a FROM-RIC that is contained in the Components' RIC listings will be included in the appropriate ICP reports generated by LMARS.

(2) LMARS also uses the RICs as defined by the Components to identify which requisitions were routed to a Service processing point prior to routing to the ICP. Refer to Pipeline Segment Two of LMARS.

(3) LMARS uses the National Guard/Reserve DoDAACs to filter transactions into appropriate Guard and Reserve reports; they are also used to eliminate transactions from the ICP reports.

(4) LMARS will use the DoDAAC/COCOM data provided by USTRANSCOM to coordinate its reporting of TDD data with existing TDD reporting generated by USTRANSCOM.

(5) LMARS will use the reparable indicator of NIIN items that the Components consider reparable to filter transactions into the Wholesale ICP Reparable National Stock Number report.

**(6) Procedures, data elements, processing details in use today:**

**(a)** The current list of Service RICs is used to filter transactions into either Service Processing Time (LMARS Segment Two) or ICP Processing Time (LMARS Segment Three) was developed by the former Customer Wait Time Committee members during their meeting(s). Members voted to approve and implement the list during the meeting(s), and DLA Transaction Services coded the list in the LMARS report routines.

**(b)** Previously both the Army and Marines sent National Guard/Reserve listing to DLA Transaction Services on or before the 25<sup>th</sup> of each month via Secure File Transfer Protocol (SFTP). If DLA Transaction Services does not receive an updated file it uses the previous month's file to produce the Guard and Reserve reports. DLA Transaction Services has not received an update "in many years", so the listing currently in use is several years old.

**(c)** Navy notified DLA Transaction Services that there are no Navy Guard or Reserve activities, so no Navy Guard or Reserve reports are generated.

**(d)** Air Force provided DLA Transaction Service with a static list of Guard DoDAACs Fx5999 through Fx5970. Although this listing has not been reevaluated "in many years", LMARS still uses it as the basis for the Air Force Guard units included in the report.

**(e)** The COCOM listings previously were e-mailed to the LMARS program manager by the COCOMS on or before the 25<sup>th</sup> of each month. DLA Transaction Services has not received an update "in many years", and as a result has ceased to produce the COCOM reports due to the lack of accurate data.

i. USTRANSCOM's Strategic Distribution Database (SDDB) maintains a country to COCOM assignment logic table. The list was manually developed by RAND nearly ten years ago and has been manually updated, as required, by DLA Operations Research in support of the SDDB. The country code used in the listing is usually a MILSTRIP code; however, there are several codes that are assigned as "placeholders" for regional country designations (e.g., Atlantic, Pacific, East Africa, Mediterranean, and West Africa) that are not MILSTRIP-compliant codes. There also country designations wherein there are multiple country codes to designate separate countries.

ii. DLA Transaction Services systemically derives assignment of COCOMs in the DoDAAD, which is housed at DLA Transaction Services. The country code to COCOM assignment is derived from a table generated by TRANSCOM Reference Data Management (TRDM) team. The TRDM table joins two other TRDM tables (COUNTRY and LOGISTICS-GEOGRAPHIC-REGION) to provide the updates to the DoDAAD at DLA Transaction Services. The COUNTRY table is sourced from National Geospatial-Intelligence Agency, while the LOGISTICS-GEOGRAPHIC-REGION is sourced from Chairman of the Joint Chiefs of Staff Manual (CJCSM) 3150.15C. In the column called CTRY\_LOG\_PLN\_RPT\_ID of the COUNTRY table, TRDM decodes the first character of the value and maps it to the first

character of the LOG\_GRG\_CODE in LOGISTICS-GEOGRAPHIC-REGION and then derives the COCOM based on the value in the LOG\_GRG\_TX column.

iii. Based on a comparative analysis of the current SDDB COCOM assignment table and the DoDAAD COCOM assignment derived from the TRDM, USTRANSCOM, DLA Logistics Management Standards, and DLA Transaction Services agreed to use the DoDAAD COCOM assignment as the authoritative source for non-mobile units.

iv. Components previously sent the Repairable NIIN list to DLA Transaction Services on a monthly basis via FTP, if there were any updates to the list. These lists are used to filter transaction data to generate the Wholesale ICP Repairable NSN Report. To ensure that the Repairable NIIN list is accurate, DLA Transaction Service needs each Component to validate repairable codes to ensure the Repairable list is current and up-to-date.

**c. Approved Change in Detail:**

(1) Update of Component RIC: Each Component validated the RICs accurately identifying their wholesale ICPs for both Pipeline Segments Two and Three of LMARS. Once this change is approved and implemented in LMARS, an annual review of RICs will be initiated by the Chair of the Pipeline Measurement PRC. If the Components require a change prior to the annual review, they will submit an encrypted email to the Chair, PM PRC with the requested change.

**(2) Update of Service's National Guard and Reserve Unit DoDAACs**

(a) Army: DLA Transaction Services will modify LMARS to query the DoDAAD. If the Major Command field in the DoDAAD contains either the value AR or NG, which correlates to the AESIP Assignment Codes of AR and NG, and the first digit of the DODAAC = W then flag the DoDAAC in LMARS as Army Guard/Reserve.

(b) Marine Corps: DLA Transaction Services will modify LMARS to query the DoDAAD and if the Major Command field in the DoDAAD contains the value R1, and the first digit of the DODAAC = ' M' then flag the DoDAAC in LMARS as Marine Corps Reserve.

(c) Navy: Navy confirms that no Navy Reserve units exist.

(d) Air Force: DLA Transaction Services will modify LMARS to query the DoDAAD to systemically identify Air Force National Guard units by flagging Guard DoDAACs Fx5999 through Fx6569 and Air National Guard DoDAACs Fx6600-6799.

**(3) COCOM Designations**

(a) To ensure synchronization with the USTRANSCOM's TDD data reporting, LMARS will begin a phased implementation to assign COCOMs based on the Ship-To DoDAACs in Phase I. Phase II – IV are approved for future implementation.

**(b) Phase I (Non-Mobile Units):**

- i. For purposes of the LMARS/SDDDB harmonization project, Mobile units are defined as Navy Service/Agency designator code DoDAACs (i.e. V, R). This aligns with the business logic used by the SDDB.
- ii. Source of COCOM Designation is the DoDAAD.
- iii. For all LMARS processing, DLA Transaction Services will use the state, country, and COCOM values for the Ship-To DoDAAC of each transaction at the time a shipment status record (DLMS 856S/Document Identifier Code (DIC) AS\_; DLMS 945A/DIC ARO, DLMS 856S/DLMS 945A/DIC AU\_) is established.
- iv. During the life cycle of a document number, the state, country, and COCOM values may change for various reasons, such as change in Ship-To DoDAAC or change in addressing information for the DoDAAC in the DoDAAD. However, for LMARS purposes, the state, country, and COCOM values in the LMARS database, established at receipt of a shipment status transaction, will never change for the remaining life of the document number.
- v. State, country, and COCOM values shall be based on the DoDAAD Type Address Code (TAC) 2; if no TAC 2 is available, then the TAC 1 will be used.
- vi. Transactions citing DoDAACs that are missing a state, country, or COCOM value or use APO, FPO, or DPO addresses will be "&" filled in the correlating data field of the Logistics Response Time (LRT) file.

**(c) Phase II (Mobile Units): FUTURE PDC**

- i. For purposes of the LMARS/SDDDB harmonization project, Mobile units are defined as Navy Service/Agency designator code DoDAACs (i.e. V, R). This aligns with the business logic used by the SDDB.
- ii. Source of COCOM Designation is the Cargo Routing Information File (CRIF).
- iii. Naval Logistics Support Center granted permission for DLA Transaction Services to use the CRIF for LMARS COCOM assignments.
- iv. DLA Transaction Services will need to develop appropriate tables, business rules, and maintenance of data content. Business rules will need to include logic to use the transportation mode/method, Issue Priority Group/Transportation Priority, and effective dates of routings, to identify the applicable port code/COCOM assignment. These will be defined in a future PDC.
- v. DLA Transaction Services will need to add the air/surface archive from the SDDDB to facilitate in transit shipments at time of implementation of this new COCOM assignment logic in LMARS.

vi. DLA Transaction Services will need to add the Port of Debarkation to the LRT File. For the weekly LRT files, the COCOM assignment will be based on the CRIF routing. For the monthly LRT files, the COCOM assignment will be updated if the ship changed COCOMs during the elapsed time between the weekly and monthly runs for the LRT files.

**(d) Phase III (Reporting Regions within COCOMs): FUTURE PDC**

i. DLA Transaction Services will need to modify LMARS to establish reporting regions within a COCOM to facilitate unique TDD standards set for a group of countries in a COCOM or for a location within a country within a COCOM.

ii. The Uniform Materiel Movement and Issue Priority System (UMMIPS) Area functionality needs to be evaluated to determine if the logic aligns with that used by the SDDb.

iii. A key/method for identifying special locations within a country (e.g., POD) needs to be identified so that a unique reporting region can be flagged for that particular location.

iv. A method to identify logic for grouping countries (e.g., country code) needs to be identified so that a group of countries can be assigned a reporting region for TDD purposes.

v. Based on new business rules to establish reporting regions, any new data elements in support of the new business process will be added to the LRT file.

**(e) Phase IV (MILSTRIP Exception Address Reporting): FUTURE PDC**

i. DLA Transaction Services will need to modify LMARS to establish a methodology for identifying the COCOM when the requisition/materiel release order carries an exception address.

ii. The challenge is to derive the COCOM assignment based on clear text addressing, being able to extract the country code so that it can be bounced against the aforementioned logic in the previous COCOM Assignment Phased implementation. The DoDAAD TAC 2 address is not a valid source since the exception address overrides the normal TAC 2 addressing.

**(4) Reparable NIIN Designations**

**(a)** Components validated Reparable Codes to accurately identify the reparable NIINs for their respective Component. Required changes submitted by Components for codes identified by the FLIS tables indicated below were submitted in their comments to this ADC. Once these reparable codes are approved and implemented in LMARS, an annual review of



codes will be initiated by the Chair of the Pipeline Measurement PRC. (changes are in **bold yellow italics**).

Component	Approved Reparable Codes	FLIS DOD 4100.39-M Volume, 10 Table October 1010
Army:	A, D, H, F, O, L	<i>Table 87 -- ARMY RECOVERABILITY CODES</i>
Air Force:	<del>C</del> , T,P, <del>S</del> , <del>U</del>	<i>Table 69 -- AIR FORCE EXPENDABILITY-RECOVERABILITY-REPARABILITY-CATEGORY CODES</i>
Marines:	D, <del>H</del> , <del>F</del> , <del>O</del> , <del>Z</del> , L	<i>Table 57 -- MARINE CORPS RECOVERABILITY CODES</i>
Navy:	7G, 7R, 7H, 7Z, 7E <del>G</del> , <del>H</del> , <del>Q</del> , <del>X</del> , <del>E</del>	<i>Table 62 -- NAVY COGNIZANCE CODES</i> <i>Table 63 -- NAVY MATERIEL CONTROL CODES</i>
Coast Guard:	R, <del>H</del> , <del>O</del>	<i>Table 128 -- COAST GUARD REPARABILITY CODES</i>
DLA:	None	<i>Table 130 -- REPARABLE CHARACTERISTICS</i>

DLA currently does not send a listing of reparables for inclusion in the LMARS reparables report. DLA does not wish to include reparables in the LMARS reparable report at this time. Navy generally uses Navy Cognizance Codes to identify Depot Level Reparables; there are some uses within Navy ERP of the Navy Materiel Control Codes.

**STAFFING NOTE:** The table above lists the current values of REPARABLE-CODE on file in DAAS for reparable NIINs with recommended changes by Service. The source of these codes DOD 4100.39-M, FLIS Manual, Volume 10 (<http://www.dlis.dla.mil/PDFs/Procedures/vol10.pdf>),

b). DLA Transaction Services will modify LMARS to flag NIINs as reparables based on the Component and FLIS code designations.

(5). ISO 3166-1 Country Code (pending transistion to new country code standard ADC 448B) compliance. DLA Transaction Services will ensure compliance with ISO 3166-1, *Codes for the representation of names of countries and their subdivisions – Part 1: Country codes*, as detailed in ) ADC 448. This will be accomplished by LMARS using the country codes as associated with a particular DoDAAD record for a DoDAAC. Since the DoDAAD will maintain the ISO 3166-1 country code compliance, LMARS by default will be compliant.

**d. Revisions to Defense Logistics Manual (DLM) 4000.25 Manuals:**

(1) DLM 4000.25, Volume 6, Chapter 4, revises C4.6.3.1.2. Table D (changes are in **bold yellow italics**). Component wholesale ICPs RICs for Pipeline Segments Two and Three of LMARS.

Component	Code(s)
Army	A12, A35, AKZ, AP5, B14, B16, B17, <del>B46</del> , <del>B56</del> , B64, B69, <del>BR4</del> , <del>BAM</del>
Navy	<del>N21</del> , <del>N23</del> , <del>N32</del> , <del>N35</del> , N52, <del>N77</del> , NFZ, <del>NRP</del>
Air Force	<del>DLJ</del> , <del>FFZ</del> , FGZ, FG5, FHZ, <del>FLS</del> , FLZ, FL5, FPD, <del>FPZ</del> , FZZ, F2U, F4U, <del>F6U</del> , F74, F77, <del>F7U</del> , F8U, <del>F06</del> , <del>F01</del> , <del>F13</del> , <del>F09</del> , <del>F81</del> ,



	<del>F78,F85,F83,F52, F43, F59, F16, F20, F28, F56, F63, F50</del>
Marine Corps	<del>M00, MA6, MA7, MA8, MA9, MPB,MHQ, LB2, LC3, LC5</del>
Coast Guard	<del>ZIC, ZNB</del> , ZNC, ZQC, <del>ZYD</del>
DLA	<del>S9C, S9E, S9G, S9I, S9M, S9P, S9S, S9T, SMS</del>
GSA	GSA

(2) C4.6.3.1.2. Output Report Specific Tables. The LMARS application makes use of additional tables to populate the data in the specific monthly LMARS output reports. These tables are provided at [www.dla.mil/j-6/dlmso/Archives/PMPRC/documents/KeyLMARSTables.docx](http://www.dla.mil/j-6/dlmso/Archives/PMPRC/documents/KeyLMARSTables.docx)

**e. Transactions Flow:** No changes to transaction flow are required.

**d. Alternatives:** None identified at this time.

**5. REASON FOR CHANGE:** Tables of RICs, DoDAACs, COCOMs, and Reparable NIINs maintained by DLA Transaction Services have not been updated by Components for a number of years. As a result, some reports that were at one time generated by LMARS are no longer being generated; other reports contain out-of-date, erroneous information. Updating these lists will enable LMARS to generate current, up-to-date reports.

#### **6. ADVANTAGES AND DISADVANTAGES:**

**a. Advantages:** Implementation of these changes will enable LMARS to generate useful, up-to-date reports.

**b. Disadvantages:** None identified.

**7. ESTIMATED TIME LINE/IMPLEMENTATION TARGET:** DLA Transaction Services will provide implementation dates of this ADC when they become available.

**8. ESTIMATED SAVINGS/COST AVOIDANCE ASSOCIATED WITH IMPLEMENTATION OF THIS CHANGE:** N/A

#### **9. IMPACT:**

**a. New DLMS Data Elements:** No new DLMS Data Elements are required.

**b. Changes to DLMS Data Elements:** None

**c. Automated Information Systems (AIS):** None

**d. DLA Transaction Services:** DLA Transaction Services will modify LMARS and LRT files.

e. **USTRANSCOM's Strategic Distribution Database (SDDB):** USTRANSCOM will need to ensure that the SDDB retains COCOM assignment logic for items in Phases II through IV, until such time as those changes are incorporated into LMARS via separate ADC.

#### 10. PDC COMMENTS DISPOSITION

Organization	Response/Comment	Disposition
DLA Transaction Services	Concurs with comments.	DLA Transaction Services states that RIC SMS should remain as the only ICP RIC for DLA. Table 130 is the source for reparable codes, but DLA does not intend to submit a list for inclusion in LMARS at this time.
Air Force	Concurs with comments.	Air Force requested recoverable codes S, U to be added and C be deleted from the Recoverable Codes list used by AF. AF National Guard DoDAACs read are Fx5999 through Fx6569) and Air Force Reserve DoDAAC are Fx6600- Fx6799." Following CSWS ICP RIC to be added: F16, F20, F28, F56, F63 and the following CSWS ICP RIC deleted FFZ, FLS, FPZ, F6U, F7U, F50 from LMARS ICP Listing.
Army	Concur with comment.	Army Recoverable Codes: no change. MAJCOM designations for Army request RIC B56 and B56 be removed AND BR4 and BAM be added from LMARS ICP RIC LIST Army DODAAC flag for Reserve (AR) and National Guard (NG).
Marine Corps	Concur with comment.	All Marine Corps Reserve Units can be identified with DODAAC MAJCOM R1 identifier. Marine Corps reparable code = D and L Marine Corps ICP RICS: addMPB, MHQ, LB2, LC3, LC5 and delete M00, MA6, MA7, MA8, MA9
Navy	Concur with comment.	NAVY ICP RICS are NRP, NFZ and N52. Navy reply in addition to stated recoverable codes G, H, Q, X and E they also use cognizance codes 7G, 7R, 7H, 7Z, 7E.
United States Coast Guard	Concur as written	Noted