**C2. CHAPTER 2**

**DEFENSE AUTOMATIC ADDRESSING SYSTEM (DAAS) OPERATIONS**

C2.1. OVERVIEW

 C2.1.1. DAAS Automated Information Systems (AISs) are operated and maintained by DAAS, who designs, develops, and implements logistics solutions to improve its worldwide customers’ requisition processing and logistics management processes. DAAS has an operational mission that includes receiving, editing, validating, routing, and delivering logistics transactions for the Department of Defense(DoD) Components and participating Agencies. It, also, provides value-added services for the various computer-readable logistics transactions, such as network and data interoperability, logistics system activity, Component/DoD-level logistics information services; and report generation. DAAS operates as a central DoD translator, that allows the DoD Component supply systems to speak the same language, by receiving data (often non-standard), editing and validating the transactions; and forwarding the transactions, in the correct format, to the proper destination. DAAS maintains two sites that operate 24 hours a day/seven days a week~~/365 days a year~~. Mission critical applications are operated in parallel at both sites.

 C2.1.2. DAAS along with its partner, DLMS Program Office, are the facilitators through which diverse DoD Component/Participating Agency supply systems are able to function as a uniform DoD supply system. DAAS plays an important and direct role in the electronic communications and logistics systems of the U.S. Government, working closely with planners, field commands, and operational supply and distribution networks/offices around the world. DAAS has built an effective, efficient communications environment permitting the transmission of time-sensitive information between defense activities and users worldwide. All transactions and files processed by the DAAS are maintained in an archive file that contains data from September 1994 to present. This pool of archived data and the associated ‘stand-alone’ repositories provides a store of logistics information that can be used for forecasting requirements and performing trend analysis.

 C2.1.3. Several ‘stand-alone’ DoD repositories, operated by DAAS, maintain support for the primary mission of receiving, editing, validating, routing, and delivering more than one thousand Defense Logistics Standard Systems (DLSS) 80 record position legacy format transaction document identifier codes (DICs), and the numerous Defense LogisticsManagement Standards (DLMS), Accredited Standards Committee (ASC) X12, eXtensible Markup Language (XML), and User Defined File (UDF) formats. These repositories contain current up-to-date information that is used in direct support of the DoD, ***Defense Logistics Agency (***DLA***)***, and DAAS missions. DAAS provides customers with the ability to access various transaction reports, perform research, and provide tracking of requisitions as they flow through the DoD supply chain to generate standard monthly, quarterly, semi-annual, and ad-hoc reports for DLA and the DoD Components/Participating Agencies. Special ad-hoc reports, related to logistical transaction processing, are accommodated by special request. DLA is regularly requested, by various Defense Investigative Agencies, to provide copies of transactions for specific vendors and/or time periods.

 C2.1.4. DAAS provides images of transactions to numerous activities to support DoD Component total asset visibility pipeline tracking initiatives. The DAASalso provides an eBusiness gateway (EBUS) for distribution of electronic business (eB) transactions between the DoD Components, participating Agencies, and private sector trading partners, via multiple commercial Value Added Networks (VANs). The exchange of ASC X12 transaction sets and the translation services to map between DLSS ***legacy*** 80 record position ***format*** transactions and DLMS X12/XML formats has become more important to the DoD logistics community as it continues to migrate, from its legacy-based transaction processes, to new systems utilizing commercial off-the-shelf (COTS) software Enterprise Resource Planning (ERP) products, and ASC X12 commercial transaction formats.

C2.2. BENEFITS AND FUNCTIONS

 C2.2.1. Using the DAAS infrastructure provides the following benefits:

 C2.2.1.1. It simplifies communication procedures by permitting customers to batch different type transactions, addressed to multiple activities, into one message, which is then transmitted via the DAAS. This precludes both the need to segregate transactions by type or destination, and to transmit multiple separate messages directly to each destination.

 C2.2.1.2. Both batch and near real-time processing are supported based upon user requirements.

 C2.2.1.3. Validation and routing of selected transactions to the correct source of supply (SoS) by using both requisitioning channel data provided by the DoD Components/Participating Agencies, and current cataloging data provided by the DLA Logistics Information Service.

 C2.2.1.4. The ability to edit discrete logistics transaction data elements.

 C2.2.1.5. Visibility and traceability of transactions transmitted to and from the DAAS.

 C2.2.1.6. The ability to recover, retransmit, intercept, and divert transactions transmitted to and from the DAAS.

 C2.2.1.7. The delivery of specific logistics transaction data to the DoD Components/Participating Agencies.

 C2.2.1.8. The creation of archival/historical transaction repositories and maintenance of data warehouses to facilitate the DoD Component/Participating Agency research and analysis.

 C2.2.1.9. Compilation of statistical data and reports.

 C2.2.1.10. Support to DoD Component/Participating Agency unique processing requirements, as authorized by the DAAS/***International Logistics Communications System*** ***(***ILCS***)*** Administrator.

 C2.2.1.11. Accumulation and storage of data needed to support the Logistics Metrics Analysis Reporting System (LMARS), and Logistics Response Time ***(***LRT***)*** processes.

 C2.2.2. DAAS facilitates the following functions:

 C2.2.2.1. Communications (network and data) interoperability.

 C2.2.2.2. Functional logistics support and assistance.

 C2.2.2.3. Logistics information repository, warehouse/archive.

 C2.2.2.4. Logistics information reporting and distribution.

 C2.2.2.5. Receipt, validation, revision, routing/delivery of logistics data.

 C2.2.2.6. Operation of a clearinghouse that provides value-added services and data delivery.

 C2.2.2.7. Operation of logistical transaction gateway services and logistical support nodes at two sites.

 C2.2.2.8. Data accumulation, analysis, and transformation.

C2.3. DAAS CORE AND CUSTOM SERVICES

 C2.3.1. Functioning as a DoD utility, the DAAS mission comprises both core (costs that are covered under DAAS Annual Operating Budget) and custom (a fee-for-service charge) services. At the present time, the only services provided on a fee-for-service basis are those costs incurred for developing new ASC X12/XML or UDF translation maps that are not part of the core services offered by DAAS, which do not currently exist or require modifications, and support for the ILCS program. Once a map has been developed and fielded it is available for use by all our customers at no charge. The ILCS program is funded by each country involved through formal agreements (cases) established by the State Department with the countries involved, which in-turn establishes an annual reimbursable limit. The following are provided as major services:

 C2.3.1.1. Provide Customer Service Support (24X7X365***/366***) from two geographically separate operating locations to assist DAAS customers around the world. This support will include front-line phone support and system monitoring support.

 C2.3.1.2. Reduction of customer workload by automation of manual processes.

 C2.3.1.3. Operation of a DoD eBusinessGateway (eBUS).

 C2.3.1.4. Development and implementation of new ASC X12 and XML variable-length translation maps. (Custom – one time).

 C2.3.1.5 Facilitation of network and data interoperability in support of the DoD Component and participating Agency logistics systems.

 C2.3.1.6. Operation of a Foreign Military Sales **(**FMS) Logistics Gateway. (Custom – Reimbursable).

 C2.3.1.7. Improved logistics data accuracy based on application of the DoD Component’s/participating Agency’s business rules.

 C2.3.1.8. Sharing of logistics data and web accessible applications.

 C2.3.1.9. Reporting on LRT.

 C2.3.1.10. Support of DoD Component/participating Agency contingency operations.

 C2.3.1.11. Consultation on logistics functional problems.

 C2.3.1.12. Software engineering and technical consultation.

 C2.3.1.13. ILCS support, including provision of aid in the following areas (Appendix 2: ILCS):

 C2.3.1.***13***.1. FMS services. (Custom – Reimbursable).

 C2.3.1.***13***.2. ***Customer Service*** ~~s~~upport. (Custom – Reimbursable).

 C2.3.1.***13***.3. eBusiness services. (Custom – one time).

 C2.3.2. The value-added benefits in using DAAS systems to receive and transmit logistics transactions are:

 C2.3.2.1. Send and receive to/from one destination connection (DAAS/***ILCS***) versus many.

 C2.3.2.2. Elimination of data sorting.

 C2.3.2.3. Elimination of maintenance of distribution lists and tele-communications customer profiles.

 C2.3.2.4. Maintenance of a single support and agreement interface.

 C2.3.2.5. Elimination of requirements for multiple telecommunications protocols, data formats, and a unique supporting infrastructure.

 C2.3.2.6. Provision of a single entry point into the following telecommunications interoperability networks:

 C2.3.2.6.1. Defense Integrated System Network (DISN) Non-Classified Internet Protocol Routing Network (NIPRNET).

 C2.3.2.6.2. Defense Message System (DMS) via the Automated Message Handling System (AMHS), which is now integrated within the DGATE architecture and is no longer a separate process. Note: The Defense Message Dissemination System (DMDS) has been replaced by the AMHS.

 C2.3.2.6.3. Commercial, private sector ***VANs***.

 C2.3.3. The value-added benefits for DoD Components/Participating Agencies, in using DAAS systems to validate, edit, route, and deliver logistics transactions, are:

 C2.3.3.1. Performance of DoD Component-unique validations by:

 C2.3.3.1.1. National Stock Number (NSN),

 C2.3.3.1.2. DoD Activity Address Code (DoDAAC)/Stock Record Account Number/Unit Identification Code (UIC),

 C2.3.3.1.3. Funds Code, and

 C2.3.3.1.4. Government Furnished Materiel (GFM) code.

 C2.3.3.2. Access to item identification conversion processes:

 C2.3.3.2.1. National Geospatial – Intelligence Agency (NGA) map number to/from NSN and

 C2.3.3.2.2. Distribution Standard System (DSS) Routing Identifier Code (RIC) conversion process.

 C2.3.4. Transaction interception and diversion services by/due to:

 C2.3.4.1. DoD directed or DoD Component/Participating Agency request,

 C2.3.4.2. natural disaster or other contingency situations and

 C2.3.4.3. special operations or emergency deployment activities.

 C2.3.5. Transaction archiving, tracking, retrieval, and resubmission/ retransmission services:

 C2.3.5.1. Use of DLSS ***legacy format*** transactions, eB transaction sets, messages, or files.

 C2.3.5.2. Transaction archiving, indefinite retention[[1]](#footnote-2), and retrieval.

 C2.3.5.3. Transaction retrieval, re-addressing, and resubmission.

 C2.3.6. eB Transaction Processing:

 C2.3.6.1. eB transaction translation/conversion services:

 C2.3.6.1.1. DLSS ***legacy*** 80 record position format to DLMS.

 C2.3.6.1.2. DLMS to DLSS ***legacy*** 80 record position MILS egacy format.

 C2.3.6.1.3. UDF to DLSS ***legacy*** 80 record position MILS format/DLMS/XML.

 C2.3.6.1.4. DLSS ***legacy*** 80 record position MILS format /DLMS/XML to UDF.

 C2.3.6.1.5. XML to DLSS ***legacy*** 80 record position MILS format/DLMS/UDF.

 C2.3.6.1.6. DLSS ***legacy*** 80 record position MILS format /DLMS/UDF to XML.

 C2.3.6.1.7. XML to XML.

 C2.3.6.1.8. Intermediate Document (IDOC) to DLMS/XML.

 C2.3.6.1.9. DLMS/XML to IDOC.

 C2.3.6.2. VAN mail-boxing services for eB partners/transactions.

 C2.3.7. DAAS, as the DoD Central Service Point (CSP) for DLM 4000.25, Volume 6:DoD Logistics Systems Interoperability Support Services:

 C2.3.7.1. Receives the DoD Component/Participating Agency DoDAAD changes, performs file maintenance, and distributes updated data (push/pull) from a single location.

 C2.3.7.2. Carries-out system queries and downloads.

 C2.3.7.3. Serves as the DLA DoDAAD Service Point (SP).

C2.3.8. DAAS, as DoD custodian for DLM 4000.25, Volume 6: DoD Logistics Systems Interoperability Support Services:

 C2.3.8.1. Receives Military Assistance Program Address Directory (MAPAD) changes from FMS and the DoD Component representatives.

 C2.3.8.2. Performs file maintenance and distributes updated data (push/pull) from a single location.

 C2.3.8.3. Performs system queries and downloads.

 C2.3.9. DAAS, as the custodian for MILSTRIP Routing Identifier and Distribution Codes:

 C2.3.9.1. Receives the DoD Component and Participating Agency RIC and distribution code changes.

 C2.3.9.2. Performs file maintenance and distributes updated data (push/pull) from a single location.

 C2.3.9.3. Performs system queries and downloads.

 C2.3.9.4. Serves as the DLA RIC Service Point (SP).

 C2.3.10. DAAS, as custodian of Military Standard Billing System (MILSBILLS) fund codes:

 C2.3.10.1. Receives the DoD Component fund code changes.

 C2.3.10.2. Performs file maintenance/daily issue from a single location.

 C2.3.10.3. Performs system queries and downloads.

 C2.3.10.4. Sends changes to the DoD Component activities.

 C2.3.11. MILSBILLS Interfund Billing Process responsibilities:

 C2.3.11.1. Confirms extended dollar worth, batch integrity, and buyer DoDAAC.

 C2.3.11.2. Routes from seller to buyer.

 C2.3.11.3. Archives[[2]](#footnote-3) and maintains official repository for ***Interfund Bills. Interfund bills are retained in a readily accessible format for:***

 C2.3.11.3.1. One year for DoD Interfund bills.

 C2.3.11.3.2. Two year for FMS bills.

 C2.3.11.3.3. The preceding procedures will be followed in accordance with DoDI 5015.02, DoD Records Management Program.

 C2.3.11.4. Query, recovery and retransmission of bills.

 C2.3.12. Materiel Obligation Validation (MOV) Process:

 C2.3.12.1. Confirms batch integrity and DoDAAC.

 C2.3.12.2. Archives and maintains official repository.

 C2.3.12.3. ***Relays*** responses to inventory control points (ICPs) when requested.

 C2.3.12.4. Query, recovery, and retransmission of MOV batches.

 C2.3.13. DAAS web services:

 C2.3.13.1. Receives/processes applications for system access.

 C2.3.13.2. Allows interrogation of DAAS repository.

 C2.3.13.3. Links to DoD repository for interrogation.

 C2.3.13.4. DLMS requisitioning.

 C2.3.13.5. Data file and software product downloads.

 C2.3.13.6. Logistics information reporting.

 C2.3.14. LMARS reports: Standard LRT.

 C2.3.15. Data information distribution services/interfaces:

 C2.3.15.1. Communications addressing information.

 C2.3.15.2. Enterprise Business System(EBS) front-end interface.

 C2.3.15.3. Standard Point Location Code (SPLC).

 C2.3.15.4. DSS and Military Surface Deployment and Distribution Command (SDDC).

 C2.3.15.5. Cargo Routing Information File (CRIF).

 C2.3.15.6. DSS and ***Naval Supply Systems Command Fleet Logistics Centers***.

 C2.3.15.7. Automated Manifest System (AMS).

 C2.3.15.8. Cargo Movement Operations System (CMOS).

 C2.3.15.9. DLA Logistics Information Service (J6B) catalog updates.

 C2.3.15.10. Defense Transportation Coordination Initiative (DTCI) cargo booking system data.

 C2.3.16. Transaction Images created and delivered for:

 C2.3.16.1. DLA.

 C2.3.16.2. United States Coast Guard (USCG).

 C2.3.16.3. United States Marine Corps (USMC).

 C2.3.16.4. United States Navy (USN).

 C2.3.16.5. United States Air Force (USAF) (TRACKER), Abbreviated Transportation Accounting Code (ATAC)-AF, Lean Logistics, and others.

 C2.3.16.6. United States Army Logistics Information Warehouse (LIW).

 C2.3.16.7. Federal Agencies.

 C2.3.16.8. Defense Finance and Accounting Service (DFAS).

 C2.3.16.9. Integrated Data Environment (IDE)/Global Transportation Network (GTN) ***Convergence (IGC).***

 C2.3.16.10. FMS (Foreign Liaison Offices (FLOs) / freight forwarders).

 C2.3.16.11. Other DoD activities, as requested.

 C2.3.17. Repository/Data Warehouse Interrogations available by:

 C2.3.17.1. DoDAAC.

 C2.3.17.2. RIC.

 C2.3.17.3. Military Assistance Program Address Code (MAPAC).

 C2.3.17.4. National Item Identification Number (NIIN).

 C2.3.17.5. Communications Routing Indicator (CommRI).

 C2.3.17.6. Plain Language Address Directory (PLAD).

 C2.3.17.7. ZIP Code.

 C2.3.17.***8***. Logistics On-line Tracking System (LOTS).

 C2.3.17.***9***. LMARS.

 C2.3.17.***10***. MILSBILLS.

 C2.3.17.***11***. MOV.

 C2.3.17.***12***. LDG.

1. Refer to ADC 1151. [↑](#footnote-ref-2)
2. Refer to ADC 1151. [↑](#footnote-ref-3)