

**Program Executive Office (PEO)  
Standard Army Management  
Information Systems (STAMIS)**



**INTERFACE AGREEMENT  
Transportation Coordinators' Automated Information  
for Movement System II (TC-AIMS II)  
and  
Retail Ordnance Logistics Management System (ROLMS)**

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15 Dec 1998

**INTERFACE AGREEMENT  
BETWEEN TC-AIMS II and ROLMS**

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# **INTERFACE AGREEMENT**

## **BETWEEN TC-AIMS II and ROLMS**

### **1. General**

#### **1.1 Purpose.**

The purpose of this Interface Agreement (IA) is to define the functional and physical interface established between the Navy's Retail Ordnance Logistics Management System (ROLMS) and the Transportation Coordinators' Automated Information for Movement System II (TC-AIMS II).

#### **1.2 Scope.**

This IA applies to all functional proponents, assigned responsible agencies, software developers, operators, users, and all others involved with the transfer of data from ROLMS to TC-AIMS II. It encompasses requirements pertaining to data, physical and logical interfaces, communications, service levels, and security.

#### **1.3 Functional Requirement.**

This IA provides for a one-way data exchange from ROLMS to TC-AIMS II of data files containing Marine Corps ammunition data used to support the movement to and load planning of Navy amphibious ships and Maritime Prepositioned Force (MPF) ships.

#### **1.4 Interface Overview.**

Data records to be exchanged will be prepared in a DOS formatted ASCII text file for transmission via SMTP E-mail. File Transfer Protocol (FTP) file transmission and 3.5 HD diskette exchange will be used as backup.

#### **1.5 Responsibilities.**

##### **1.5.1 TC-AIMS II Project Manager.**

The TC-AIMS II Project Management Office (PMO) will incorporate into TC-AIMS II the functionality described in the Program Executive Office (PEO) Standard Army Management Information Systems (STAMIS) Operational Requirements Document (ORD), to include the capability to import and process the data files described in Appendix A.

##### **1.5.2 ROLMS Project Manager.**

The ROLMS PMO will maintain the capability to export the data file described in Appendix A.

#### **1.6 Procedural and System Changes.**

##### **1.6.1 General.**

During the life cycles of ROLMS and TC-AIMS II, the PMO of either system may discover new or changed operational requirements that will affect this interface. Proposed/required change(s) will be coordinated among all affected parties to reach agreement on an implementation date. All affected parties will be notified in writing 120 days prior to implementing the proposed/required change(s). Notification will clearly describe the intended change(s) and will identify transaction changes that will affect the interface between ROLMS and TC-AIMS II. The party making the change will initiate the required notification. Modifications to TC-AIMS II will be submitted in accordance with established Configuration Management

(CM) procedures and approved by the JPMO or the Joint Configuration Control Board (CCB). Modifications to ROLMS will be submitted to the ROLMS CCB and approved in accordance with established CM procedures.

### **1.6.2 Regulatory Changes.**

If a procedural change is the result of a Service or Agency regulatory change, both parties to the IA will concur on the implementation actions and an effective date.

### **1.6.3 Functional or Technical Changes.**

Changes that result in functional, technical or procedural changes, or changes to standard data tables and elements affecting only one system will be initiated by the responsible PMO. That system's PMO will propose a mutually acceptable implementation date for the change(s).

### **1.6.4 Year 2000 (Y2K) Compliance.**

The April 1997 Department of Defense (DoD) Year 2000 Management Plan directs system developers and maintainers, along with the system's functional proponent, to certify and document each system's Year 2000 (Y2K) compliance. The ROLMS application software is certified Y2K compliant. The TC-AIMS II software suite will be certified Y2K compliant. The interface exchange data requires Y2K compliance to enable correct date data passage between ROLMS and TC-AIMS II.

### **1.6.5 Modifications.**

Upon agreement, all modifications to this interface will be documented herein and recorded on the change sheet. Revised page(s) will be produced and the IA signed and dated by all concerned parties.

## **1.7 Life-Cycle Maintenance.**

This agreement will be reviewed and augmented as required.

## **2. TC-AIMS II Attributes**

### **2.1 System Attributes.**

The TC-AIMS II is a top-down directed program aimed at addressing a critical shortfall in the movement of material and personnel in support of DoD transportation operations as defined in the TC-AIMS II Mission Need Statement (MNS). TC-AIMS II falls within the DoD mission area supporting Mobility/Transportation of the DoD Personnel and Cargo. TC-AIMS II will provide unit mobility and Installation Transportation Office/Transportation Movement Office (ITO/TMO) throughout DoD with a single, effective, and efficient Automated Information System (AIS) which provides transportation management of unit movement, passengers, and cargo during day-to-day operations within the Defense Transportation System (DTS).

The TC-AIMS II system is the result of a joint effort of the US Armed Forces and the Joint Project Management Office (JPMO) headed by the US Army as the Executive Agent. TC-AIMS II provides automated support to functions performed by Unit Movement Officers (UMOs) and Installation Transportation Offices (ITOs/TMOs), who previously used a variety of Service automated systems and manual processes. TC-AIMS II goal is to improve and expedite unit movements and Transportation Operating Agency (TOA) actions, providing timely and accurate information for use at all Joint Deployment Communities (JDCs) command levels in support of CONUS (Continental United States),

OCONUS (Outside the Continental United States) and in theater RSO&I (Reception, Staging, Onward Movement and Integration) operations.

The TC-AIMS II system includes software and processes installed on Service provided hardware that supports unit movement and sustainment transportation functions, as well as provides access to various load planning functions. These functions are available to the TC-AIMS II user from a client/server network or stand-alone configuration at the unit/installation level whether in-garrison or deployed. Processing, tracking, and reporting of data from TC-AIMS II will be available to decision-makers at various command levels via the In-transit View (ITV) capability of the Global Transportation Network (GTN).

## **2.2 Hardware.**

The TC-AIMS II program is designed to operate on hardware provided by the Services in both client/server and standalone configurations. The client and standalone workstation hardware platforms require a Pentium II computer or higher with 64 MB of RAM and 4 GB hard disk. The server requires a Pentium II processor or higher with 256 MB RAM and 5GB hard drive.

## **2.3 Software.**

TC-AIMS II client/server and standalone workstation platforms run under MS Windows NT, supporting a Sybase relational database. The server configuration runs under MS Windows NT supporting a Sybase relational database.

## **2.4 Interface Attributes.**

### **2.4.1 Procedures.**

In response to the data received from ROLMS, TC-AIMS II will import the data into the Unit Deployment List (UDL) table for the load planning of US Navy amphibious ships and Maritime Prepositioned Force (MPF) ships.

### **2.4.2 Data Exchange.**

The intended method of data exchange for this interface is by means of electronic via SMTP E-mail attachment. FTP file transfer and 3.5" HD diskette will be used if SMTP is not available. The data will be in a DOS formatted ASCII text file without encryption.

### **2.4.3 Priority.**

The processing priority for this interface will default to routine.

### **2.4.4 Communications.**

The actual interfacing will be initiated by means of a file manually attached to SMTP E-mail. FTP file transfer or 3.5" HD diskette will be available as backup.

## **2.5 Service Levels.**

No service levels for this interface will be established. Data will be passed on an as required basis. No special processing is required.

## **2.6 Points of Contact.**

### **2.6.1 Functional.**

LtCol Jim Wakeley, USAF  
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Fort Belvoir, VA 22060-5526  
Tel: (703) 923-1026

### **2.6.2 Technical, Communications and Security.**

Mr. Willie Jones, JR.  
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Fort Belvoir, VA 22060-5526  
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## **2.7 Security**

TC-AIMS II is an unclassified system containing Sensitive but Unclassified (SBU) information. TC-AIMS will operate in the systems high mode in accordance with a C2 level of accreditation based on the DOD 5200.28-STD. The TC-AIMS II architecture has been designed with protective mechanisms that ensure the data confidentiality, integrity and availability of the data being transmitted including:

- Safeguards protecting data from virus or malicious logic
- Diskettes will be handled and controlled per local security policies.

## **2.8 Communication Verification.**

No verification is required for a manual interface. The FTP and SMTP software includes verification and notification modules to provide the sender notification of successful/non successful file transfer. Recovery from file transfer problems is built into the various communications protocols. If these built-in recovery functions do not result in successful completion, retransmission of the entire file is required.

## **2.9 System Problems.**

The JPMO will maintain a Help Desk system to coordinate and resolve system problems referred from the Services. The Help Desk will provide a single-track problem resolution interface with the software developers as outlined in the ILSP.

## **2.10 Data Requirements.**

No data files will export from TC-AIMS II to ROLMS.

## **3. ROLMS Attributes**

### **3.1 System Description.**

The Navy and Marine Corps use a single depot/deployable system for ammunition asset management. This system is the Retail Ordnance Logistics Management System (ROLMS). All holders of ammunition assets use ROLMS to maintain and report the asset inventory.

### **3.2 Hardware..**

ROLMS is designed to operate in both a standalone and client/server environment. The standalone platform and client workstation require a 486-33MHZ computer or higher with at least 200 MB of available hard drive space and 16 MB RAM. The server requires a minimum 486-100MHZ computer with at least 1 GB hard drive space and 32 MB RAM.

### **3.2 Software**

ROLMS standalone and client workstations run under Windows 3.1x, Windows 95 or Windows NT supporting an Oracle database. The server runs under Unix or Windows NT Server. The application programs are written in Ada and PowerBuilder.

### **3.3 Procedures**

#### **3.3.1 Procedures.**

TC-AIMS II will provide load and execution planning by creating a UDL from data imported from ROLMS.

#### **3.3.2 Data Exchange.**

The intended method of data exchange for this interface is by means of electronic via FTP file transfer. 3.5" HD diskette and SMTP E-mail attachment will be used if FTP is not available. The data will be in a DOS formatted ASCII text file without encryption.

#### **3.4 Service Levels.**

No service levels for this interface will be established. Data will be passed on an as required basis. No special processing is required.

#### **3.5 Points of Contact.**

##### **3.5.1 Functional.**

Mr. James Werne  
Code 4035  
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Crane, IN 47522-5001  
Tel: (812) 854-5015, DSN 482-5015

##### **3.5.2 Security.**

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Crane, IN 47522-5001  
Tel: (812) 854-5011, DSN 482-5011

#### **3.6 Security.**

Data exchanged through this interface have been identified as Sensitive but Unclassified (SBU). Data will be controlled in accordance with established Navy/Marine Corps Information Security procedures.

### **3.7 Communication Verification.**

No verification is required for a manual interface. The FTP and SMTP software includes verification and notification modules to provide the sender notification of successful/non successful file transfer. Recovery from file transfer problems is built into the various communications protocols. If these built-in recovery functions do not result in successful completion, retransmission of the entire file is required.

### **3.8 System Problems.**

Problems encountered will be resolved by the local System Administrator or forwarded to the ROLMS PMO for resolution.

### **3.9 Data Requirements.**

#### **3.9.1 Source File. (Appendix A, Table A-1)**

Appendix A, Table A-1 contains the file structure and record layout to enable the creation of a UDL for cargo shipped via ROLMS to TC-AIMS II sites.

## Appendix A, ROLMS to TC-AIMS II File Structure and Record Layout

**Table A-1, Source File**

FIELD NAME	POSITIONS	WIDTH	TYPE/CLASS	REMARKS
UNIT IDENTIFICATION CODE	1 - 6	6		DODAAC
NSN	7 - 19	13	Char	National stock number.
SERIAL NUMBER	20 - 40	21	Char	Uniquely identifies an item.
PACKAGE LOT NUMBER	41 - 61	21	Char	Lot Number
ITEM ID	62 - 65	4	Char	NALC
DESCRIPTION	66 - 85	20	Char	Nomenclature
WEIGHT	86 - 95	10	Integer	Pounds, Item Weight.
LENGTH	96 - 103	8	Integer	Inches, Item Length.
WIDTH	104 - 109	6	Integer	Inches, Item Width.
HEIGHT	110 - 115	6	Integer	Inches, Item Height.
IMO CODE	116 - 119	4	Char	International maritime Danger code for this type of cargo, QDC and storage compatability.
QUANTITY PER CARGO	120 - 128	9	Integer	Quantity of items per shipment unit.
AIT LOCATION CODE	129 - 134	6	Char	Geographic location, ROLMS Internal Grid Location.
NET EXPLOSIVE WEIGTH	135 - 142	8	Integer	
LTI CODE	143	1	Integer	Condition Code.
INVENTORY DATE	144 - 148	5	Integer	Date of Last Inventory
UN CODE	149 - 152	4	Char	United nations hazardous cargo Classification code.
PARENT PKG ID	153 - 164	12	Char	Container Number - Identifies the parent package to which this item is linked.
SEAL NUMBER	165 - 174	10	Char	Identifies cargo package seal number attached to the package.
SUPPLY CLASS	175 - 176	2	Char	Cognizant code.

## Appendix B, Acronyms

<b>Abbreviation</b>	<b>Description</b>
AIS	Automated Information System
ASCII	American Standard Code for Information Interchange
CONUS	Continental United States
DES	Data Encryption Standards
DoD	Department of Defense
DOS	Disk Operating System
DTS	Defense Transportation System
FTP	File Transfer Protocol
GTN	Global Transportation Network
IA	Interface Agreement
ILSP	Integrated Logistic Support Plan
ITO/TMO	Installation Transportation Office/ Traffic Management Office
ITV	In-Transit Visibility
JDC	Joint Deployment Community
JPMO	Joint Program Management Office
OCONUS	Outside the Continental United States
ORD	Operational Requirements Document
PC	Personal Computer
PMO	Program Management Office
ROLMS	Retail Ordnance Logistics Management System
RSO&I	Reception, Staging, Onward Movement, and Integration
SMTP	Simple Mail Transfer Protocol
STAMIS	Standard Army Management Information Systems
TC-AIMS II	Transportation Coordinators' Automated Information for Movement System II
TOA	Transportation Operating Agency
UDL	Unit Deployment List
UMO	Unit Movement Office/Officer