

Program Executive Office (PEO)
Enterprise Information Systems (EIS)



INTERFACE AGREEMENT

Transportation Coordinators' Automated Information
for Movement System II (TC-AIMS II)

and

Electronic Military Personnel Office (eMILPO)

Prepared by:

Transportation Information Systems (TIS)
Joint Project Management Office (JPMO)
Attn.: SFAE-PS-TC
8000 Corporate Court
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**INTERFACE AGREEMENT
BETWEEN TC-AIMS II and eMILPO
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INTERFACE AGREEMENT

BETWEEN TC-AIMS II and eMILPO

1. General

1.1 Purpose

The purpose of this Interface Agreement (IA) is to define the functional and physical interface established between the Electronic Military Personnel Office (eMILPO) and 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 eMILPO to TC-AIMS II. This IA 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 eMILPO to TC-AIMS II of data files containing unit personnel information to be used for unit movement planning and manifesting personnel during deployment.

1.4 Interface Overview

Data records to be exchanged will be prepared in a DOS formatted ASCII text file for each Unit Identification Code (UIC) requested. Requests for unit personnel data will be on an as required basis and handled via conventional means and not through this electronic interface.

1.5 Responsibilities

1.5.1 TIS Project Manager

The TIS Joint Project Management Office (JPMO) will incorporate into TC-AIMS II the functionality in the TC-AIMS II Operational Requirements Document (ORD) to include the capability to import and process eMILPO data files described in Appendix A.

1.5.2 eMILPO Project Manager

The eMILPO PMO will maintain the capability to export the data files described in Appendix A. eMILPO will inform TC-AIMS of any pending changes to the system that may affect the export file.

1.6 Procedural and System Changes

1.6.1 General

During the life cycles of eMILPO and TC-AIMS II, the PMO of either system may discover new or changed operational requirements that will affect this interface. 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 changes that will affect the interface between eMILPO and TC-AIMS II. The party making the change will initiate the required notification.

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. eMILPO software is certified as Y2K compliant. The TC-AIMS II software suite will be certified Y2K compliant. The interface exchange data requires Y2K compliance or implementation of consistent Y2K corrections to enable correct date data passage between eMILPO and TC-AIMS II. Current and projected status of Y2K compliance will be provided to the PMO of each system prior to approval of this Interface Agreement.

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

Life-Cycle Maintenance and overall logistics support planning for TC-AIMS II is described in the Integrated Logistics Support Plan (ILSP) for TC-AIMS II. This agreement will be reviewed and augmented as required by both TC-AIMS II and eMILPO.

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. 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) support 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 sponsored 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 provide 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 III computer or higher with 256MB of RAM and 4 GB hard disk. The server requires a Pentium III processor or higher with 256 MB RAM and 5GB hard drive.

2.3 Software

TC-AIMS II workstation and standalone platforms run under MS Windows 2000, supporting a Sybase relational database. The server configuration runs under MS Windows 2000 supporting a Sybase relational database.

2.4 Interface Attributes

2.4.1 Procedures

TC-AIMS II receives and imports unit personnel information to populate the personnel roster table for each Unit Identification Code (UIC) requested. The UMO will use the data for unit movement planning and execution, and manifest passengers. Requests for unit personnel data will be on an as required basis, and not electronic at this time. Conventional means for requesting unit personnel data will be required.

2.4.2 Data Exchange.

The intended method of data exchange for this interface is by means of FTP. The data will be in a formatted ASCII text file, bar delimited (ASCII code 124 (decimal) or 7C (hex)), without encryption. The processing priority for this interface will default to an as required basis. The TC-AIMS II user will coordinate with the TC-AIMS II Help Desk for access to UIC, Login and Password. The TC-AIMS II Help Desk will provide the installation eMILPO operator with the UICs of the personnel data required. No compression algorithms are required against the data set.

2.4.3 Priority

The processing priority for this interface will be by specified units as required by operational requirements.

2.4.4 Communications

TC-AIMS II will receive/import a DOS formatted ASCII textual data file, bar delimited (ASCII code 124 (decimal) or 7C (hex)), via FTP.

2.5 Service Levels

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

2.6 Points of Contact

2.6.1 Functional

LTCDR Gerald Mathis
Attn.: SFEA-PS-TC
8000 Corporate Court
Springfield, VA 22153
Tel: (703) 752-0799

2.6.2 Technical, Communications and Security

Mr. Willie Jones
Attn.: SFEA-PS-TC
8000 Corporate Court
Springfield, VA 22153
Tel: (703) 752-0775

2.7 Security

TC-AIMS II is an unclassified system containing Sensitive But Unclassified (SBU) information. TC-AIMS II 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.

The data exchange with eMILPO has been identified as Sensitive But Unclassified (SBU) and For Official Use Only (FOUO) therefore, the data will be controlled and handled using FOUO procedures in accordance with US Army and local Security Office policies.

2.8 Communication Verification

No verification is required for a manual interface.

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 (TC-AIMS II to eMILPO)

No data is exported from TC-AIMS II to eMILPO.

3. eMILPO Attributes

3.1 System Description

The eMILPO application is an interim field echelon personnel support system used for the Active Army in a peacetime environment and for the Total Army in wartime. The application provides the United States (U.S.) Army with a reliable, timely, and efficient mechanism for performing U.S. Army personnel

actions and managing strength accountability. The eMILPO application will provide visibility of the location, status, and skills of soldiers both from a high level (top of the system) and a unit level (bottom of the system). This visibility is vital in determining the war fighting capability of the Army and subordinate commands within the Army.

The eMILPO application will consolidate the 43 Personnel Information System (PERSINS) Processing Activity (PPA) database environments, currently being deployed as a part of the Super Server/Army Human Resource System (AHRS) V1 project, into one physical database environment. It will re-host the United States Code (USC) Title 10 functionality, currently resident in the Standard Installation/Division Personnel System-3 (SIDPERS-3) application software, in preparation for the migration to the Defense Information Management Human Resource System (DIMHRS).

The eMILPO application will be a Web-based, multi-tiered application, utilizing an industry standard Java 2 platform, implemented on the DoD Non-Secure Internet Protocol Routing Network (NIPRNet), and accessed via the Army Knowledge Online (AKO) portal.

3.2 Hardware

The majority of the eMILPO hardware (the Dell servers) will be obtained from the current Super Server hardware suite. The Web servers and application servers will be Dell servers running Microsoft (MS) Windows 2000 Advanced Server; the Weblogic Administration Server will be a Dell server running MS Windows 2000 Server; the data servers will be Sun servers running Solaris 8.

3.3 Software

eMILPO servers use the Sun 8 Solaris operating system supporting Oracle 9i DBMS relational database

3.4 Interface Attributes

3.4.1 Local Procedures

The eMILPO database will provide personnel data for unit movement planning and execution as well as passenger manifesting during mobility exercises or deployment.

3.4.2 Data Exchange

The eMILPO application is updated nightly. The TC-AIMS II user at the installation will access eMILPO for the UIC data. When the deployment data is needed, the TC-AIMS users at the installation will logon onto the server (browser). Permissions (userid and password, URL) will have already been granted to access the Installation's folder. From the directory, locate the data file by UIC. The processing priority for this interface will default to routine on an as required basis.

3.4.3 Communications.

The intended method of data exchange for this interface is by means of FTP. eMILPO will send the required data for downloading in the form of a bar delimited (ASCII code 124 (decimal) or 7C (hex), ASCII text file without encryption or compression.

3.5 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.

3.6 Points of Contact

3.6.1 Technical

Electronic Data Systems (EDS) Helpdesk
Mail Stop A4S-D52
13600 EDS Drive
Herndon, Virginia 20171
Phone Number: 1 866-433-9196
e-mail: AHRS-EDS.SuperServerTT@eds.com

3.6.2 Functional

Address functional concerns relative to eMILPO to the following office:

Total Army Personnel Command (TAPC)
Field Systems Division
ATTN: TAPC-FSS, Suite 1S07
POC: Major Walter Thomas
200 Stovall Street
Alexandria, Virginia 22332-0494
DSN 221-3846 Commercial: (703) 325-3846
Fax number: DSN 221-6319 Commercial: (703)325-6319
E-mail address: walter.thomas@hoffman.army.mil

3.6.2 Communication POC

Fort Belvoir Engineering Office
ATTN: AMSEL-IE-BE
9350 Hall Road, Suite 142
POC: Jerry Zollo
6000 6th Street, Suite S122A
Ft Belvoir, Virginia 22060-5526
COMM: (703) 806-0541 DSN: 656-0541
Jerry.Zollo@eis.army.mil
Fax number: COMM: (703) 806-4202 DSN: 656-4202

3.7 Security

Reference is made to AR 380-19, Information Systems Security, dated 1 Aug 1990, paragraph 1-5c(2)(a), 2-2a(3), 3-8a(7), 4-3, and Appendix C (supersedes AR 380-380); the TC-AIMS application will receive from eMILPO, data which is governed by the Privacy Act, hence the data and environs are assigned a Sensitivity Category, as well as other safeguards

3.8 System Problems

3.8.1 Backups

The eMILPO application will utilize advanced Oracle products to perform backups in-place; that is, the database can support users while performing backups. The proposed backup schedule will be: daily backups of the Oracle database, during which the system stays up, and weekly full backups of system and

database, during which the system will be unavailable. The detailed schedule will be developed in a separate document. The system will be brought down for weekly maintenance at a set time each week during a known period of low user activity. Weekly full backup tapes will be stored off-site in a secure facility.

3.8.2 Restart

At the PAS echelon all transmissions that fail must restart from the beginning. FTP does not provide restart from point-of-failure software.

3.8.3 Continuity of Operations

Continuity of Operations (COOP) will be ensured by software design, data backup, transmission line redundancy (or predication) and hardware and power source redundancy. The following COOP measures must be included in the event of failure of the main system at the PAS echelon. If location of the site(s) is classified, give document title, number, date and proponent.

- COOP of the latest update of version of the database.
- Daily COOP of the database (DB) baseline.

3.9 Audit Procedures

This section is not applicable.

3.10 Data Requirements (eMILPO to TC-AIMS II)

These files contain personnel information to be used for unit movement planning and manifesting personnel during deployment. eMILPO will create a bar delimited (ASCII code 124 (decimal) or 7C (hex)) ASCII text file, with a user defined name. The exported file will not be compressed.

3.10.1 eMILPO Data Files (Appendix A)

Unit Header Record, A-1

Personnel Detail Record, A-2

Appendix A, Record Layouts eMILPO Export to TC-AIMS II Import

UNIT HEADER RECORD, A-1

Data Description	Position	Max Width	Type/Class	Comments *
Unit Identification	1	6	CHAR	M
Telephone Number of Unit, DSN	2	7	CHAR	O
Unit Name	3	60	CHAR	M
Unit Home Geographic Location	4	4	CHAR	M, Must be valid GEOLOC.
Geographical Location Name	5	17	CHAR	M

* O-Optional, M-Mandatory field that must contain a value

PERSONNEL DETAIL RECORD, A-2

Data Description	Positions	Max Width	Type/Class	Comments *
Unit Identification	1	6	CHAR	M
Individual SSN	2	9	CHAR	M, Any leading zeros will be included. Do not assume leading zeros if not present.
Individual Ethnic Group Code	3	1	CHAR	O
Individual Marital Status Code	4	1	CHAR	O
Individual Sex Code	5	1	CHAR	O
Military Service Component Code	6	1	CHAR	O
Religious Denomination	7	2	CHAR	O,
Military Separation Date	8	8	CHAR	O, If value present, must be greater than 1/1/1800.
Last Name	9	27	CHAR	O. Contains Last, First and Middle name values separated by spaces. TC2 parses and converts the Middle name to middle initial.
First Name				
Middle Initial				
Army Military Rank Effective Date	10	8	CHAR	O
Army Military Rank Code	11	2	CHAR	O
Enlisted Military Occupational Specialty Identifier	12	3	CHAR	O
Warrant Officer Military Occupational Specialty Identifier	13	4	CHAR	O
Commissioned Officer Occupational Specialty Area of Concentration Identifier	14	3	CHAR	O
Language Code	15	2	CHAR	O, If multiple languages are to be sent for a person, the record will be repeated in its entirety, with succeeding records having the different language codes. TC2 will identify an additional language record as being a

				duplicate SSN but a different language code.
Department Determined Personnel Security Status	16	1	CHAR	O
Blood Type	17	1	CHAR	O

* O-Optional, M-Mandatory field that must contain a value

Appendix B, Acronyms

Abbreviation	Description
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
eMILPO	Electronic Military Personnel Office
FTP	File Transfer Protocol
GTN	Global Transportation Network
IA	Interface Agreement
ILSP	Integrated Logistic Support Plan
ISM	Installation Support Module
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
PERSCOM	Personnel Services Command
PMO	Program Management Office
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
UMO	Unit Movement Office/Officer