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

INTERFACE AGREEMENT

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

and

Unit Diary/Marine Corps Integrated Personnel System (UD/MIPS)

Prepared by:
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Approved by:	Signature	Date
Stanford I. Polonsky, Jr. Project Officer JPMO, TC-AIMS II	(signed)	10 Nov 1998
LtCol K.M. Leahy, USMC Head, Field Support Branch	(signed)	25 Nov 1998

INTERFACE AGREEMENT
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INTERFACE AGREEMENT
BETWEEN TC-AIMS II and UD/MIPS

1. General

1.1 Purpose.

The purpose of this Interface Agreement (IA) is to define the functional and physical interface established between the U. S. Marine Corps Unit Diary/Marine Corps Integrated Personnel System (UD/MIPS) 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 UD/MIPS 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 UD/MIPS to TC-AIMS II of data files containing 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 American Standard Code Information Interchange (ASCII) text file for exchange as an attachment to a SMTP E-mail or by 3.5 HD diskette.

1.5 Responsibilities.

1.5.1 TC-AIMS II Project Manager.

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

1.5.2 UD/MIPS Project Manager.

The UD/MIPS 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 UD/MIPS 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 transaction changes that will affect the interface between UD/MIPS and TC-AIMS II.

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 systems Year 2000 (Y2K) compliance. The TC-AIMS II software suite will be certified Y2K compliant. The interface exchange date data requires Y2K compliance or implementation of consistent Y2K corrections to enable correct date data passage between UD/MIPS 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. 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 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 workstation and standalone platforms run under MS Windows NT (workstation) supporting a Sybase relational database. The server configuration runs under MS Windows NT (server) supporting a Sybase relational database.

2.4 Interface Attributes.

2.4.1 Procedures.

TC-AIMS II will use the data provided by UD/MIPS to populate the personnel roster table for unit movement planning and execution, and manifest passengers.

2.4.2 Data Exchange.

The intended method of data exchange for this interface is electronically by files attached to SMTP E-mail or by means of 3.5" HD diskette if E-mail is not available. Files will be compressed using WinZip. 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 done manually by means of files attached to SMTP E-mail or by 3.5" HD diskette if E-mail is not available.

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
Attn.: SFEA-PS-TC
9350 Hall Road, Suite 142
Fort Belvoir, VA 22060-5526
Tel: (703) 923-1026

2.6.2 Technical, Communications and Security.

Mr. Willie Jones, Jr.
Attn.: SFEA-PS-TC
9350 Hall Road, Suite 142
Fort Belvoir, VA 22060-5526
Tel: (703) 923-1008

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
- Diskette will be handled and controlled per local security policies.

2.8 Communication Verification.

No verification is required for a manual interface. The 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 UD/MIPS.

3. UD/MIPS Attributes.

3.1 System Description.

UD/MIPS is a US Marine Corps personnel management system maintaining the personnel unit diary information.

3.2 Hardware.

The TC-AIMS II program is designed to operate on hardware platform of a Pentium 166MHz or higher workstation with a minimum of 32 MB RAM and 1.6 GB hard drive.

3.3 Software

UD/MIPS runs under Windows 95/Windows NT (Workstation).

3.4 Interface Attributes

3.4.1 Procedures.

UD/MIPS will provide personnel data to TC-AIMS II for unit movement planning and execution, and manifest passengers.

3.4.2 Data Exchange.

The intended method of data exchange for this interface is electronically by files attached to SMTP E-mail or by means of 3.5" HD diskette if E-mail is not available. Files will be compressed using WinZip. The data will be in a DOS formatted ASCII text file without encryption.

3.4.3 Priority.

The processing priority for this interface will default to routine.

3.4.4 Communications.

The actual interfacing will be done manually by means of files attached to SMTP E-mail or by 3.5" HD diskette if E-mail is not available.

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 Point of Contact.

CWO3 Cleveland C. Arrington, USMC
Manpower and Reserve Affairs
Marsh Center
3280 Russel Road
Quantico, VA 22134-5103
Tel: (703) 784-9043

3.7 Security.

Data exchanged through this interface have been established as sensitive but unclassified (SBU) and is For Official Use Only (FOUO) and will be controlled using US Marine Corps and local Security Office procedures.

3.8 Communication Verification.

No verification is required for a manual interface. The 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.

3.9 System Problems.

Problems encountered will be forwarded to the UD/MIPS PMO for resolution.

3.10 Data Requirements. (from UD/MIPS to TC-AIMS II)

3.10.1 Personnel Data Record. (Table A-1, Appendix A)

This file contains personnel information to be used for unit movement planning and manifesting personnel during deployment

Appendix A, UD/MIPS to TC-AIMS II File Structure and Record Layout

Table A-1, Personnel Data Record

FIELD NAME	POSITIONS	WIDTH	TYPE/CLASS	REMARKS
SERVICE	1	1	CHAR	Branch of Service
SOCIAL SECURITY NUMBER	2 – 10	9	CHAR	
LAST NAME	11 – 30	20	CHAR	
FIRST NAME	31 – 40	10	CHAR	
MIDDLE INITIAL	41 – 42	2	CHAR	
BLOOD TYPE	43	1	CHAR	
SEX	44	1	CHAR	
PAY GRADE	45 – 47	3	CHAR	
BILLET DESCRIPTION	48 – 67	20	CHAR	MOS description for the billet
BILLET MOS	68 – 71	4	CHAR	MOS number for the billet
PRIMARY MOS	72 – 75	4	CHAR	Primary military occupational specialty code
FIRST SECONDARY MOS	76 – 79	4	CHAR	Secondary military occupational specialty code
SECOND SECONDARY MOS	80 – 83	4	CHAR	Secondary military occupational specialty code
RUC	84 – 88	5	CHAR	Reporting unit code
TEMPORARY RUC	89 – 93	5	CHAR	Temporary Reporting unit code
PLATOON ID	94 – 97	4	CHAR	Identifies platoon assigned
COMPANY CODE	98	1	CHAR	Identifies foreign language skills
TO NUMBER	99 – 103	5	CHAR	Table of Organization Number
TO LINE NUMBER	104 – 108	5	CHAR	Table of Organization Line Number
WORK PHONE	109 – 118	10	CHAR	Work telephone number
SECURITY TYPE	119	1	CHAR	Individuals security clearance level
GOVERNMENT OPERATORS PERMIT	120 – 129	10	CHAR	
CARRAGE RETURN	130	1		

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
FOUO	For Official Use Only
GTN	Global Transportation Network
IA	Interface Agreement
ILSP	Integrated Logistic Support Plan
IP	Internet Protocol
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
RSO&I	Reception, Staging, Onward Movement, and Integration
STAMIS	Standard Army Management Information Systems
TC-AIMS II	Transportation Coordinators' Automated Information for Movement System II
TOA	Transportation Operating Agency
UD/MIPS	Unit Diary/Marine Corps Integrated Personnel System
UMO	Unit Movement Office/Officer