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ACQUISITION PROGRAM BASELINE

FOR

TRANSPORTATION COORDINATORS' AUTOMATED INFORMATION

FOR MOVEMENT SYSTEM II

(TC-AIMS II)



Prepared for:  
Program Manager  
Information Systems  
(Code C4IIS)  
Marine Corps Systems Command

1 MAY 1999

Draft

**Acquisition Program Baseline**

With the objective of enhancing program stability and controlling cost growth, we, the undersigned, approve this baseline document. Our intent is that the program be managed within the programmatic, schedule, and financial constraints identified. We agree to support the required funding in the Planning, Programming, and Budgeting System (PPBS).

This baseline document is a summary and does not provide detailed program requirements or content. It does, however, contain key performance, schedule, and cost parameters that are the basis for satisfying identified mission needs. As long as the program is being managed within the framework established by this baseline, in-phase reviews will not be held.

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Program Manager	Date
Information Systems	
Marine Corps Systems Command	

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Director, Logistics, Plans, Policies	Date
Strategic Mobility Division	
Installations & Logistics Department	
Headquarters, Marine Corps	

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Director, Requirements Division (C44)	Date
Marine Corps Combat Development Command	

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Commander	Date
Marine Corps Systems Command	

## Draft

### TC-AIMS OVERVIEW

The Transportation Coordinators' Automated Information for Movement System II (TC-AIMS II) is a Department of Defense (DoD) directed program that addresses critical shortfalls in moving cargo and people in support of the DoD mission. TC-AIMS II will provide the Marine Corps with a modernized, integrated, and deployable Automated Information System (AIS) that supports unit, personnel, vehicle, and cargo movement worldwide. The process will enhance and increase the capability of the Marine Air-Ground Task Force (MAGTF) planners and operators to more efficiently task organize, deploy, close, and sustain a MAGTF. It will decrease the prescribed time parameters necessary to support CINC mission priorities and objectives. It is a force multiplier that will improve Marine Corps responsiveness for unit and personnel movement, and Transportation Management Offices to plan for and move cargo worldwide. The TC-AIMS II is a scaleable process that provides support for all garrison or field transportation functions in the Continental United States (CONUS) or Outside CONUS. It sustains operations in peace (to include training exercises) or war, and Operations Other Than War (OOTW).

**TRANSPORTATION COORDINATORS' AUTOMATED INFORMATION FOR MOVEMENT SYSTEM II (TC-AIMS II)**

- REFERENCES: a. Transportation Coordinators' Automated Information for Movement System II (TC-AIMS II) Joint Mission Need Statement dated 7 August 1997.  
 b. Joint Operational Requirements Document for the Transportation Coordinators' Automated Information for Movement System II (TC-AIMS II) Dated 21 November 1997.

**SECTION A: PERFORMANCE**

<b>Baseline</b>		
<b>System Performance Description</b>	<b>Objective</b>	<b>Threshold</b>
Defense Information Infrastructure Common Operating Environment (DII COE).	Level 8	Level 6
Year 2000 (Y2K) Compliant.	Yes	Yes
Provide users with the capability to input information from manual and electronic sources.	Yes	Yes
Process and transmit information as required by supported CINCs and other DoD agencies.	Yes	Yes
Software Application: Availability. Unavailability (correctable by rebooting). Reboot time.	100% 90% ≤ 3 Mins.	95% 90% ≤ 3 Mins.
Information Completeness: Measures the thoroughness of sought information to enable effective task performance.	100%	100%
Information Accuracy: Edit all incoming information for accuracy of format, content, compatibility, and validity consistent with the TC-AIMS II Data Dictionary.	100%	100%

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System Performance Description continued	Objective	Threshold
Information Accountability: Identify the time of entry and source of information input for accountable and/or controlled processes.	100%	100%
Information Recovery/Restoration after a hardware, application, database, or power failure:	1 Hour	8 Hours
Lost Information Recovery (To the point of last complete recorded transaction).	.5 Hour	1 Hour
System Operation Restoration.	5 Steps	10 Steps
Ease of Use: Steps for a user to accomplish a desired task.	128 Users	110 Users
Host Site Capability.		
System Diagnostics:		
System provides an error message that tells the user whether the system failure is a software, hardware, or communications-related problem.	Yes	Yes
System provides an error message in the event of a software, hardware, or communications-related problem.		
System Output: Accurately produce forms, reports, labels, screen displays, information for interface transmission, and query results in a timely, complete, and accurate manner.	100%	100%
Interoperability: System interface via commercial telephone (dial-up), tactical communications, LAN/WAN, and/or floppy disk exchange.	100%	100%
Logistics and Readiness: Uninterrupted support to the user during periods of system maintenance.	100%	100%
Maintain Historical Information: Store, archive, and retrieve historical information.		
Fiscal obligation information.	3 years	3 Years
Non-unit move-related cargo information.	3 Years	3 Years
Unit move-related cargo information.	1 Year	1 Year
Operate in both a standard desktop and laptop configuration.	100%	100%

System Performance Description continued	Objective	Threshold
Option to install portions of the software functionality vice entire software package.	100%	100%
Security features enabling system usage by only authorized personnel. TC-AIMS II will meet Command and Control (C2) security certification.	100%	100%
Receive software upgrades electronically.	100%	100%
Track equipment, supplies, and personnel in providing In-Transit Visibility (ITV). TC-AIMS II will be able to process information quickly enough to support ITV information standards established by the DoD Automated Identification Technology (AIT) Task Force.	100%	100%
Provide linkage to the commercial transportation industry for procurement of passenger and cargo transportation services to users.	100%	100%
Draw source reference information from a Joint Data Library (JDL).	100%	100%
Provide for an automated mechanism for information trouble reporting and feed back of erroneous reference information to the JDL.	100%	100%
Garrison and Deployment capable.	Yes	Yes
Perform the following functions: Asset Management. Movement Planning. Load Planning. Movement Execution/Coordination.	Yes Yes Yes Yes	Yes Yes Yes Yes

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Required Interfaces		Objective	Threshold
Asset Tracking Logistics and Supply System (ATLASS).		Yes	Yes
Logistics Automated Information System (LOGAIS): Marine Air-Ground Task Force II (MAGTF II). MAGTF Deployment Support System II (MDSS II). Computer Aided Embarkation Management System (CAEMS). Transportation Coordinators' Automated Information for Movement System (TC-AIMS).		Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes
Unit Diary/Marine Corps Integrated Personnel System (UD/MIPS).		Yes	Yes
Retail Ordnance Logistics Management System (ROLMS).		Yes	Yes
Theater Army Medical Management Information System (TAMMIS).		Yes	Yes
War Reserve System (WRS).		Yes	Yes
MAGTF Data Library (MDL).		Yes	Yes
Computer Aided Load Manifesting (CALM)/Automated Air Load Planning System (AALPS).		Yes	Yes
Joint Force Requirements Generator (J-FRG).		Yes	Yes
Integrated Computerized Deployment System (ICODES).		Yes	Yes
Consolidated Aerial Port System II (CAPSII)/Global Air Transportation and Execution System (GATES).		Yes	Yes
Financial Air Clearance Transportation Systems (FACTS).		Yes	Yes
Distribution Standard System (DSS).		Yes	Yes
CONUS Freight Management System - Host Module (CFM HOST).		Yes	Yes
Worldwide Port System (WPS).		Yes	Yes
Cargo Movement Operating System (CMOS)		Yes	Yes
Global Transportation Network (GTN)		Yes	Yes
Industry Information Processor (I2P).		Yes	Yes

**SECTION B: SCHEDULE**

<b>Baseline</b>		
<b>Event</b>	<b>Objective</b>	<b>Threshold</b>
Software Development		
Start	Jun 96	Jun 96
Complete	Jan 99	Jul 99
Operational Test		
Start	Feb 99	Aug 99
Complete	May 99	Nov 99
Milestone III Decision	Dec 99	Jun 00
Initial Operational Capability (IOC)	Mar 00	Sep 00
Full Operational Capability (FOC)	Mar 02	Sep 02

**SECTION C: COST**

Baseline	
Event	Objective Threshold
Then Year \$:	
Total RDT&E	
Total Procurement (PMC)	
Total MILCON	
Base Year \$ (FY98):	
Total RDT&E	
Total Procurement (PMC)	
Total MILCON	
Average Unit Procurement Cost \$ (FY98):	
Total Procurement Quantities (TC-AIMS II Hardware AAO):	
Servers	112
Workstations	1,017
Laptops	460
Laser Printers	314
Uninterrupted Power Supplies	112

Notes:

- The Joint Program Management Office is responsible for the funding, development, and implementation of the TC-AIMS II application software. The Marine Corps is responsible for Working-level Integrated Product Team participants, hardware, network infrastructure, network operating software, USMC unique software enhancements, sustainment training, and support services.

