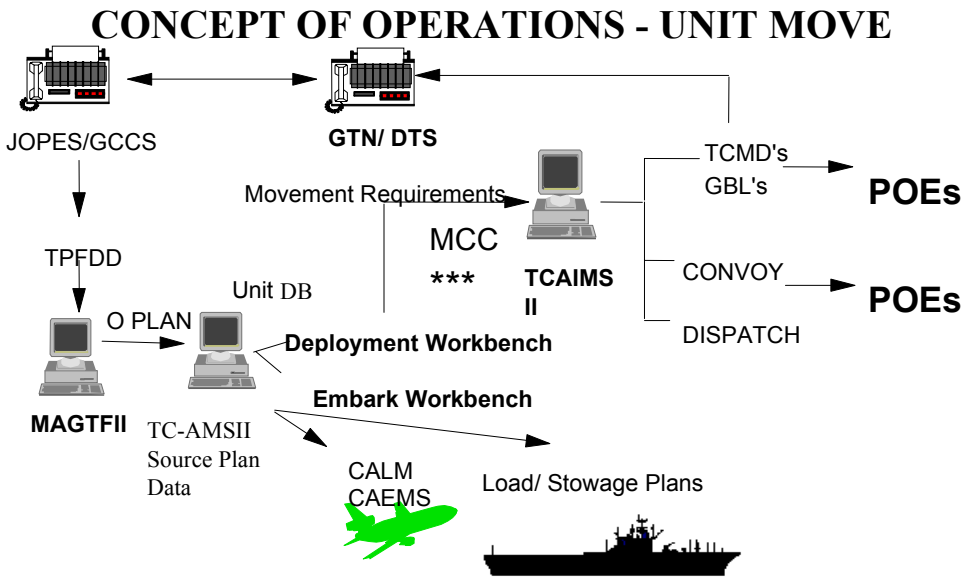
DRAFT

U.S. MARINE CORPS
CONCEPT OF OPERATIONS (CONOPS)
FOR TC-AIMS II

1. **INTRODUCTION**. TC-AIMS II will provide the Marine Corps with a modernized, integrated and deployable AIS that supports unit, personnel, vehicle and cargo movement world-wide. The process will enhance and increase the capability of 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 ITO/TMOs 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 Continental United States (OCONUS). It sustains operations in peace (to include training exercises) or war, and Operations Other Than War (OOTW). The following figure shows the basic concept of operations.



2. **OVERVIEW**. The TC-AIMS II addresses critical shortfalls in moving cargo and people in support of the DoD mission. Further, TC-AIMS II responds to FY96-99 Defense Guidance that calls for joint support systems to provide "rapid strategic mobility support and sustainment capabilities." The TC-AIMS II will permit improvements in transportation efficiency and information flow. Transportation efficiencies will improve because standard transportation information will be captured once, at the source, resulting in less time needed for preparing required documentation and providing source In-Transit Visibility (ITV) and force movement information.

a. the system will embody all current capabilities of the existing DoD component's multiple systems on a single integrated AIS platform and will be capable of operating in a garrison or deployed environment. It will also directly support the DoD Mission Areas of Mobility and sustainment during all phases of military operations including Reception. Staging, Onward Movement and Integration (RSO&I).

b. The TC-AIMS II is being developed and administrated as Joint migration information system. It has the potential to evolve to one of the central tools used by the Marine Corps in sustaining a primary position among the Services relative to ***Force Deployment Planning and Execution (FDP&E)***. The utility of this product for FDP&E will increase, as a complete range of Marine Corps specific requirements are integrated into a the functional baseline.

c. The system is in consonance with the Commandant's Planning Guidance, since it sustains ***Operational Maneuver From The Sea (OMFTS)***. This concept drives the Marine Corps' strategic and operational environment of the 21st century and impacts doctrine, organization, training and equipment strategies. The TC-AIMS II is innovative and reflects the global change which the Marine corps must adapt to in the current mission scenarios. The TC-AIMS II will institutionalize our core processes and capitalize on COTS/GOTS products to shape a Corps whose combat assets are versatile, flexible, agile and adaptable to a wide range of operational commitments.

d. The TC-AIMS II will provide the capability to automate unit movement and ITO/TMO planning and execution whether from in-garrison or a deployed field operational environment. It will also provide an automated information system for managers responsible for movement control and allocation of common user land transportation. It will provide critical information to the Global Transportation Network (GTN) and will operate within the Global Combat Support System (GCSS)environment as well as Command and Control (C2) systems at various command levels.

e. Primary interfaces will be bi-directional from the Marine Corps ATLASS and Joint Force Requirements Generator (JFRG) and MAGTF II. TC-AIMS II represents a multi-functional operational capability to support daily military transportation requirements, to sustain specific deployment related deliberate planning activities and to plan transportation and the necessary deployment execution requirements. The system will also support deployment operational requirements and will have the capability to provide AIS management support to deployed field operational units requiring Deployment RSO&I, Employment, Sustainment and Redeployment activities. The system will also support in-theater movement control since it projects an automated capability to forecast the arrival of personnel, cargo, and containerized shipments. This functionality will satisfy command prerogatives for visibility of high interest cargo throughout the area of operation. Automated functions include documenting transportation movement requests, tasking mode operators, forecasting and reporting container and cargo movements.

3. **TC-AIMS II USERS**. TC-AIMS II is designed to allow units and transportation agencies to use a common system to manage and coordinate transportation, and pass information to the other LOG AIS systems and other joint transportation systems. It brings together two communities,

operational unit level S-4's, MTO's, MCC's, and Command Element G-4's, and the installation traffic management and and Base Motor Transport agencies. The target user audience for TC-AIMS II includes:

Transportation Users/Coordinators	Transportation Providers
Unit S-4's, MTO's	Motor Transportation Battalion, FSSG
Division, Wing, FSSG, MEF and MARFOR G-4's	Truck Company, HQBN, Marine Division
Unit, Logistics, and Force Movement control Centers (UMCC, LMCC, FMCC)	Landing Support Battalion, Engineer Support Battalion
CSS Operators Sections	Marine Wing Support Group, Base Motor Transport/GME Section
Base Transportation Support Components	Base Traffic Management Officer US Transportation component Commands Commercial Carriers

4. **APPLICABLE REFERENCES**: The overarching concept of operations for TC-AIMSII follows the 1996 DoD In-Transit Visibility Implementation Plan. The Marine Corps is currently revising directives pertaining to Force Deployment Planning and Execution, expected to be completed by June 1998. When published, the following Marine Corps Directives will describe in detail the deployment and sustainment processes and the information systems which support those processes:

a. Marine Corps Planner's Manual, MCO P3000.18

b. Marine Corps Deployment Procedures Manual (Draft), MCO P3120.15

c. Marine Corps Transportation Manual, MCO P

d. Defense Transportation Regulation, DoD 4500.9R