

UNITED STATES MARINE CORPS  
Logistics Operations School  
Marine Corps Combat Service Support Schools  
PSC Box 20041  
Camp Lejeune, North Carolina 28542-0041

MTCC 4303

**STUDENT OUTLINE**

**TRANSPORTATION COORDINATOR'S AUTOMATED INFORMATION  
FOR MOVEMENTS SYSTEM**

a. **Terminal Learning Objective:** Given the requirement to supervise the dispatching of motor transport equipment, required hardware, operational data, and the references, supervise the dispatching of equipment of using Transportation Coordinator's Automated Information for Movements System (TCAIMS), per the references. (35XX.01.04)

b. **Enabling Learning Objectives:**

(1) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, input operator information into the database, per the references. (35XX.01.04a)

(2) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, input equipment information into the database, per the references. (35XX.01.04b)

(3) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, determine asset availability, per the references. (35XX.01.04c)

(4) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, develop a movement request, develop a movement request, per the references. (35XX.01.04d)

(5) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, export the movement request, per the references. (35XX.01.04e)

(6) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, import the movement request, per the references. (35XX.01.04f)

(7) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, select unit and equipment support movement request, per the references. (35XX.01.04g)

(8) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, export a task, per the references. (35XX.01.04h)

(9) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, import a task, per the references. (35XX.01.04i)

(10) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, link cargo, per the references. (35XX.01.04j)

(11) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, dispatch equipment operator and equipment, per the references. (35XX.01.04k)

(12) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, build a convoy route, per the references. (35XX.01.04l)

(13) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, create a convoy, per the references. (35XX.01.04m)

(14) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, manage a convoy, per the references. (35XX.01.04n)

(15) Given the requirement to supervise the dispatching of motor transport equipment, required hardware (TCAIMS), operational data, and the references, create query and Ad Hoc reports, per the references. (35XX.01.04o)

## **1. PURPOSE AND OVERVIEW OF TCAIMS**

a. Purpose of TCAIMS. The purpose of TCAIMS is to improve unit transportation activities by automating existing functional processes, and providing requesting units, Movement Coordination Centers and providing organizations with a common transportation database.

(1) By performing activities common to both unit and non-unit movements with TCAIMS equipment, transportation personnel can improve overall productivity while maintaining proficiency on the unit deployment system.

(2) Joint Chiefs of Staff (JCS) SM 3-87 defines TCAIMS as the computer hardware, software and procedures used by transportation personnel from each Service.

## **2. TCAIMS Background**

a. During 1987, the Joint Chiefs of Staff require the services to develop a system for coordinating transportation requirements, for updating the Global Transportation Network (GTN), and for supporting DoD Total Asset Visibility (TAV)/ In Transit Visibility (ITV) initiatives. The "source" requirement for TCAIMS is CJCS SM 3-87 Requirement for the Transportation Coordinators Automated Information for Movement Systems. Coincidentally, the Marine Corps used "TCAIMS" as the acronym for our MAGTFII/LOG AIS transportation application.

b. Within the family of the MAGTF II/LOG AIS family, the TCAIMS application provides transportation coordinators, at levels from unit dispatchers to the LMCC, TMO and MAGTF Commanders with an automated tool for requesting and coordinating land, air and surface shipping transportation.

(1) TCAIMS is an "execution" system, used for daily operations such as requesting tasking and dispatching transportation assets; and for deployment execution operations such as coordinating convoy movements to the ports of embarkation.

(2) TCAIMS includes a shipment workbench that provides the capability to generate MILSTAMP documentation, when required, in instances when the ports or Transportation Component Commands (TCC's) requires unit movement documentation.

c. Capabilities of TCAIMS. TCAIMS includes these specific functional capabilities:

(1) TCAIMS allows the user to manipulate a common, existing, LOG AIS database. UDL and TSAIL data can be imported into TCAIMS.

(2) TCAIMS displays Transportation Asset Availability, which can be "rolled up" to the Logistics Movement Control Center/Force Movement Control Center MCC/FMCC level.

(3) TCAIMS can be used to coordinate standard movement requests and tasks; pass a unit request for cargo and passenger movement up the chain of command, and pass the request to an organic provider such as Motor Transport Battalion, Traffic Management Office (TMO), or Base Motors.

(4) TCAIMS standardize route and convoy tracking, control and documentation. Allows the use of Automated Identification Technology (AIT) to assist in convoy tracking.

(5) Computerized trip tickets and master logs can be generated through TCAIMS.

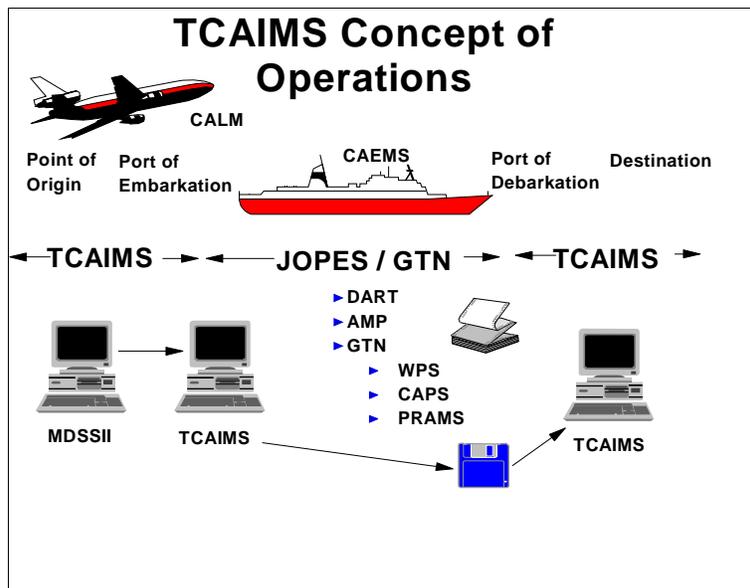
(6) TCAIMS generates Standard Assignment Airlift Message (SAAM) request message body text, which can be imported into message text format (USMTF).

(7) TCAIMS generates Unit Movement Military Standard Transportation and Movement Procedures (MILSTAMP) documentation.

(8) User through TCAIMS can perform Ad Hoc queries and generate reports.

(9) TCAIMS can be used to pass In Transit Visibility/Total Asset Visibility level six detail data to other joint logistics and transportation systems that feed the Global Transportation Network (GTN):

- (a) Worldwide Port System (WPS)
  - (b) Reengineered Consolidated Aerial Port System (RCAPS)
  - (c) Passenger Reservation and Manifesting System (PRAMS)
- Headquarters On Line System for Transportation (HOST)



TCAIMS Concept of Operations

d. TCAIMS 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-4s, MTOs, MCCs, Command Element G-4s, and the installation traffic management and Base Motor Transport agencies. The target user audience for TCAIMS includes the following: Unit S-4, MTOs, Division, wing, FFGS, MEF & MARFOR G-4s Unit, Logistics & Force Movement Control Center (UMCC, LMCC, FMCC), and CSS Operations Sections.

e. TCAIMS Modules.

(1) Movement Module. The Movement Module allows you to manage your assets, requests, tasks and dispatches. It is designed to manage the use of FMF support assets in both day-to-day operations and in any phase of a mount-out or deployment.

(2) Available Transportation Asset Unit Deployment List (ATAUDL) Module. The Available TAUDL Module enables the system to determine which transportation or support assets are available for a twenty-day time frame by each hour of the day. When you update an item's availability (unavailable, deadline, etc.), you must select the Available TAUDL command in order for the system to calculate your unit's availability. Updating the TAUDL daily gives an accurate listing of the status of your units support equipment. Although the primary focus of this listing is cargo carrying vehicles and MHE, this module has the flexibility to accommodate any mix of vehicles and equipment that you need to manage.

(3) Request Module. The Request Module provides you with the ability to manage requests for transportation or support equipment. This command allows units requiring support to generate and submit requests through their chain of command to the appropriate level.

(4) Task Module. The Task Module allows you to generate and manage support for requests from subordinate units up the chain of command or laterally, such as from Division or Wing to the Movement Control Center. The Task command provides the capability to manage tasking for transportation or support assets.

(5) Dispatch Module. The Dispatch Module allows a supporting unit to create and track support asset dispatches to accomplish taskings. This command also allows the support unit to keep track of the status of individual vehicles that are unavailable for dispatch.

(6) Route Module. The Route Module allows you to add, edit and delete routes from your route listing. A route is composed of route nodes. A route node is an individual section of a route, e.g., Front Gate to First Stoplight is a node of the route to your office building.

(7) Convoy Module. The Convoy Module allows you to create and manage convoys. Units are able to print Convoy Clearances and Summaries, track convoys, view convoys tasked units, view a convoys dispatched assets and assign personnel and items/cargo to specific convoys.

(8) Shipment Module. The Shipment Module allows you to deploy with a PC-based computer system similar to the existing Transportation Management System (TMS). This allows for the rapid deployment of the TMO section to remote locations while maintaining the asset visibility and accountability of assets in the transportation pipeline. This module provides you with the following documentation:

(1) Government Bill of Landing (GBL) -SF 1103

(2) Transportation Control and Movement Document (TCMF)-  
DD Form 1384

(3) Cargo Manifest -DD Form 1386

(4) Cargo Recapitulation -DD Form 1386

(5) Cargo Summary -DD Form 1386

(6) Military Shipment Label -DD Form 1387-2

(7) Special Handling Data/Certification Continuation  
Sheet-DD Form 1387-2c

(9) SAAM Module. The SAAM Module (Special Airlift Assignment Mission) allows you to create the body of a SAAM MTF file in AMC compatible format using standard lookup reference tables and your deployment database. It is only be used for non-contingency logistics airlift and non-JCS exercises. LCS exercise airlift, contingency support airlift (both for forces and for resupply) and some disaster/humanitarian relief efforts are handled through JOPES procedures.

#### f. SYSTEM USERS

(1) Users cover the spectrum of ranks in the Marine Corps from the Lance Corporal/Private First Class in the battalion embark shop (S-4) to the Commanding Generals of major commands.

(2) Civilian employees of the Marine Corps are also expected to make use of certain systems in carrying out their duties.

(3) A variety of military occupational specialties (MOS) are represented by system users. Including those Navy personnel serving with the Corps.

(4) Primary users are those with logistics related MOS's and those with other MOS's comprise a significant portion of the MAGTF LOG AIS user community due to personnel shortfalls and other factors.

**REFERENCES:**

- 1. TCAIMS help menu***
- 2. TCAIMS Student Handout***