

DRAFT

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

1. **INTRODUCTION.** TC-AIMS II will be fully incorporated into all facets of transportation movement processes. It will be the primary Department of Defense (DoD) transportation system that will facilitate movements by air, land and sea. An objective of TC-AIMS II is to provide Army commanders unparalleled visibility over the location of personnel, cargo and equipment. TC-AIMS II Installation Transportation Office (ITO), Movement Control, and Unit Movement Officer (UMO) functional areas provide Army users with the capability to achieve these objectives.

2. **OVERVIEW.** U.S. Army units will use TC-AIMS II and standard command and control (C2) systems as integrated information tools for planning, managing, and executing deployments. TC-AIMS II workstations will be located at all levels down to battalion and separate companies. The commanders and staffs will use the system for all information related to deployments. It will also be used to consolidate movement information from company to theater. UMOs with TC-AIMS II will be able to load-plan all transportation modes (surface, water, and air). *Global Combat Support System-Army (GCSS-Army)* and standard reference files will provide source data for equipment load planning. UMOs will obtain personnel information supporting initial manifesting through an interface with unit or installation Standard Installation/ Division Personnel System (SIDPERS) computer and Multi-technology Automated Reader Card (MARC) cards. TC-AIMS II will also include digitized map data for convoy planning and execution including depicting Main Supply Routes (MSR). TC-AIMS II will be used to request road clearance and will include a route deconfliction capability. TC-AIMS II will interface with numerous logistics and operational automated information systems.

3. **TC-AIMS II WITHIN THE ITO.** The ITO will use TC-AIMS II to support day-to-day installation-level transportation operations. It will provide the functionality essential for moving all inbound/outbound cargo and personnel. TC-AIMS II will facilitate movement of units deploying from home station; daily non-unit transportation-related activities for outbound shipments; and initiation of units back to home station. It will also support routine training exercises and crises actions worldwide. Units will update their Automated Unit Equipment Lists (AUEL) and Deployment Equipment List (DEL) and electronically send the updates through the chain of command to the ITO.

4. **UNIT MOVE SUPPORT.** TC-AIMS II will have four basic functional areas in the unit move module. It will be used to store unit personnel and equipment information, maintain deployment information, plan and schedule deployments. It will manipulate/update information for convoys, rail and air load planning, and personnel manifesting. Unit movement information will also be shared with other transportation systems. Also, TC-AIMS II will provide accurate unit location information by employing Automatic Identification Technology (AIT) devices to create, collect and transmit movement data to Army Command and Control centers (GTN, GCCS-Army).