

PREFACE

This manual provides the Army's doctrinal guidance on battlefield maintenance operations within Army of Excellence Divisions (heavy, light infantry, airborne, and air assault). The doctrine in this manual complements the basic doctrine of FM 100-5. Division maintenance operations are conducted within the framework of the Division Combat Service Support (CSS) Organization. The cornerstone of maintenance operations is the operator/crew supported by unit level and direct support maintenance personnel. This manual describes the mission, organization, and maintenance support concept used by divisional units in support of the AirLand battle. This manual is primarily designed for unit commanders, motor officers, shop officers, and maintenance managers within divisions. CSS commanders and staff personnel will use this manual when developing plans and conducting operations in support of divisional units.

The proponent of this publication is Headquarters, United States Army Training and Doctrine Command (**HQ, TRADOC**). Submit changes for improving this publication on DA Form 2028, Recommended Changes to Publications and Blank Forms, and forward to: **Commander, U.S. Army Ordnance Center and School, ATTN: ATSL-DTD-DLD, Aberdeen Proving Ground, Maryland 21005-5201.**

NOTE: Unless otherwise stated, whenever the masculine gender is used, both men and women are included.

INTRODUCTION

The Army must be prepared to deploy, fight, and win in different locations and under a variety of conditions. We must be prepared to fight a modern, highly lethal mechanized force typical of the Warsaw Pact, and must also be capable of defeating lighter, well-equipped forces and insurgents or terrorist groups in any terrain or climatic condition. In Europe, Southwest Asia, and Northeast Asia, those forces most likely to be our enemy use tactics, organizational structure, and equipment patterned after those in the Soviet Union.

A detailed description of threat forces is contained in the following field manuals:

- FM 100-2-1, Soviet Army Operations and Tactics
- FM 100-2-2, Soviet Army Specialized Warfare and Rear Area Support
- FM 100-2-3, Soviet Army Troops, Organization, and Equipment

Opposing forces will rarely fight against orderly, distinct lines. The distinction between forward and rear lines will be blurred. Army maintenance units assigned to divisions will be located throughout the battlefield. Mechanics may be dispatched to the breakdown site wherever it occurs. They will be expected to diagnose and repair, recover, or evacuate disabled or battle damaged equipment. In order to perform this mission, they must be as mobile and survivable as the units that they support. Maintenance managers must be able to analyze the combat commander's intent, anticipate requirements, and task-organize maintenance assets to optimize support. Accomplishment of this mission will expose maintenance units to enemy air and ground forces,

active reconnaissance, and unconventional warfare activities as well as enemy activity that directly targets CSS operations. All battlefield maintenance operations need to be planned and conducted by integrating both passive and active defense measures into support plans and operations orders. This manual will provide doctrinal battlefield missions, organization and location as well as command, control, and communications for maintenance operations.

Threat forces have the capability to deliver nuclear, biological, and chemical (NBC) attacks throughout the depth of the battlefield. Maintenance and other support units will face an increased risk of NBC attacks as well as a high probability of contact with contamination. Support units must be able to conduct operations in a contaminated environment and must be prepared to handle contaminated equipment and supplies. This manual includes doctrine for maintenance operations in an NBC environment.

Modern electronic countermeasures will make command and control difficult. There is also potential for the enemy to disrupt maintenance and supply systems that rely on automatic data processing equipment. This manual describes doctrinal measures to implement during periods of degraded communications and electronic warfare (EW).

The effect of terrain and climatic conditions on maintenance operations will be described.

The AirLand battle is the Army's approach to military operations against any enemy force. Success on the battlefield will depend on the maintenance manager's ability to support in accordance with (IAW) the basic tenets of the AirLand battle doctrine: initiative, agility, depth, and synchronization.