

**TM 55-1520-238-S**

**TECHNICAL MANUAL  
PREPARATION FOR SHIPMENT**

**FOR**

**ARMY AH-64A HELICOPTER  
(NSN 1520-01-106-9519)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY  
30 SEPTEMBER 1990**

PREPARATION FOR SHIPMENT  
OF  
AH-64A HELICOPTERS

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## CHAPTER 1 INTRODUCTION

### Section I. PURPOSE AND SCOPE OF MANUAL

#### 1-1 PURPOSE.

This manual is provided for instruction of personnel preparing **AH-64A** helicopters for shipment by Air Force Cargo aircraft, seagoing vessel, and tractor-trailer truck transport methods.

#### NOTE

- The self-ferry method of helicopter shipment is not covered in this manual.
- Crated shipment of AH-64A helicopters is not applicable.
- Shipment of the helicopter by rail is not authorized.

#### 1-2 SCOPE.

a. Chapter 2 of this manual provides instructions for shipment of **AH-64A** helicopters by Air Force C-5, C-17 and C-141B cargo aircraft; Chapter 3 covers shipment by seagoing vessel; and Chapter 4 covers shipment by truck. Detailed instructions are provided within Chapters 2 through 4, covering required helicopter disassembly (component removal or stowage) for each shipment method; preservation and packaging; helicopter loading and tiedown; offloading; and preparation for use after shipment.

#### NOTE

Procedures are provided for both front and rear door C-5 loading and unloading. Rear door loading requires the use of a hydraulic kneeling cart and is intended as an alternate procedure to be used only when front door loading or unloading is not possible.

b. Appendices A through H provide reference data, material and special tool lists, and additional information related to helicopter preparation and shipment procedures. An alphabetical index is included.

### Section II. SHIPMENT CHARACTERISTICS AND GENERAL REQUIREMENTS

#### 1-3 TACTICAL SHIPMENT.

#### NOTE

Tactical shipment is defined as transport and delivery of the maximum quantity of helicopters which can be shipped in near-flyable condition.

**1-3.1 Tactical Deployment by Cargo Aircraft.** Tactical shipment of helicopters by cargo aircraft requires the use of C-5 or C-17 cargo aircraft.

#### **1-3.2 Tactical Deployment of Seagoing Vessel.**

Maximum quantities of helicopters which can be loaded for tactical shipment will vary with the size of the vessel to be used.

#### NOTE

Logistical movement of large quantities of helicopters for resupply purposes, can be accomplished by vessel shipment, loading maximum, density condition helicopters on both topside and main decks.

#### **1-4 HELICOPTER DIMENSIONAL REQUIREMENTS.**

a. See figure 1-1 for dimensions of the AH-64A helicopter in assembled, ready-to-fly condition.

b. See applicable Preloading Condition illustrations provided in Chapter 2 through 4 (fig. 2-1, 2-22, 3-1, 3-2, 4-1, and 4-2) for disassembled (shipment) condition.