

CHAPTER 1

INTRODUCTION

1-1. Scope

This manual shows and tells how to rig the forward area refueling equipment, to include the rigging of hazardous material--gasoline, JP4 fuel, and diesel fuel. The FARE is rigged with the following:

a. M101 and M101A, 3/4-ton, two-wheel trailers for low-velocity airdrop from the C-130 and C-141 aircraft and for LAPE airdrop from the C-130 aircraft.

b. M561, 1 1/4-ton truck (Gama Goat) for low-velocity airdrop from the C-130 and C-141 aircraft and for LAPE airdrop from the C-130 aircraft.

c. Two 500-gallon collapsible fuel drums for low-velocity airdrop from the C-130 and C-141 aircraft.

d. Two, three, and four 500-gallon collapsible fuel drums for LAPE airdrop from the C-130 aircraft.

e. M101A1, 3/4-ton trailer for tandem LAPE airdrop from the C-130 aircraft.

f. Two, three, and four 500-gallon fuel drums on a type V platform for LAPE airdrop from the C-130 aircraft.

g. M998, 1 1/4-ton truck (HMMWV) on a type V platform for low-velocity airdrop from the C-130 and C-141 aircraft.

h. Seven 500-gallon fuel drums on a type V platform for low-velocity airdrop from the C-130 and C-141 aircraft and for LAPE airdrop from the C-130 aircraft.

This manual is designed for use by all parachute riggers.

1-2. Special Considerations

CAUTION: *There must be no more than 475 gallons of liquid in each drum when the drum is rigged for low-velocity airdrop and no more than 450 gallons when rigged for LAPE.*

a. When included as a part of these loads, fuel must be packaged, marked, and labeled as described in AFR 71-4/TM 38-250.

b. Each drum of fuel MUST be weighed to learn its exact weight, as the drum has no gage to measure the liquid content. For computing liquid weight per US gallon, 6 pounds are used for gasoline, 6.6 pounds for JP4 fuel, and 6.68 pounds for diesel fuel. When empty, each drum weighs 250 pounds.

CAUTION: *Because the fuel drum is flexible, it will rebound on ground impact and the lashings may be broken. This could free the drum and allow it to roll off the platform and create a possible hazard in the immediate area.*

c. A copy of this manual must be available to the joint airdrop inspectors during the before- and after-loading inspections.

1-3. User Information

The proponent of this publication is HQ TRADOC. You are encouraged to report any errors or omissions and to suggest ways for making this a better

manual. Army personnel, send your comments on DA Form 2028 directly to:

Commander
US Army Quartermaster Center and School
ATTN: ATSM-SPT-I
Fort Lee, VA 23801-5036

Air Force personnel, send your reports on AFTO Form 22 through:

HQ AMC
402 Scott Drive, Unit 3A1
Scott AFB, IL 62225-5302

to:

Commander
US Army Quartermaster Center and School
ATTN: ATSM-SPT-I
Fort Lee, VA 23801-5036

Also, send information copies to AFTO Form 22 to:

San Antonio ALC/LDILT
Kelly AFB, TX 78241-5000