

Modular Fuel System (MFS)

Provides the capability to receive, store, transport, distribute, issue, surge, and redistribute fuel between brigades, refuel on the move operations, and deploy without construction support.

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



Description & Specifications

The Modular Fuel System (MFS), formerly known as the Load Handling System Modular Fuel Farm (LMFF), is transported by the Heavy Expanded Mobile Tactical Truck Load Handling System (HEMTT-LHS) and the Palletized Loading System. It is composed of 14 each 2,500-gallon capacity tank rack modules and two each pump/filtration modules. Each tank rack module has a baffled 2,500-gallon fuel storage tank and onboard storage compartments for hoses, nozzles, fire extinguishers, and grounding rods. The pump filtration module includes a 600 gallons per minute (GPM) diesel engine-driven centrifugal pump, filter separator, valves, fittings, hoses, refueling nozzles, and a manual hand pump for gravity discharge operations. Each

pump filtration module has onboard storage for hoses, ground rods, water cans and fire extinguishers. The pump module has an evacuation capability that allows the hoses in the system to be purged of fuel prior to recovery. The MFS's configuration can vary in size (total capacity) based on the type of force supported.

Program Status

- **3QFY05:** Milestone C low rate initial production contract awarded
- **1QFY06:** Production qualification testing
- **3QFY06:** Limited user testing

Projected Activities

- **FY07:** Full rate production decision
- **3QFY07:** First unit equipped
- **FY08:** Production option award
- **FY09:** Production option award

ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

Modular Fuel System (MFS)

FOREIGN MILITARY SALES

None

CONTRACTORS

E.D. Etnyre and Co. (IL)
DRS Sustainment Systems, Inc.
(St. Louis, MO)

