

Anti-Personnel Mine Clearing System, Remote Control M160

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides line-of-sight, unmanned mine clearing operations and real-time control of the mine clearing vehicle from either a mounted or dismounted position.

DESCRIPTION

The Anti-Personnel Mine Clearing System, Remote Control M160 is a tele-operated Light Flail system designed to provide line-of-sight (LOS) unmanned mine clearing operations. The remote control system provides real-time control of the mine-clearing vehicle and allows the operator to control the vehicle from either a mounted or stand-off dismounted position. The system is equipped with a communication system that transfers operating status and video feedback to the operator. The M160 was designed to be suitable for mine clearing in urban areas, fields, forests, bushes, forest roads, riverbanks, and muddy areas. The M160's hand-held, stand-off, remote control feature allows the operator to remain outside the range of exploding mines during the clearing process. The engine and

vital components of the machine are protected by steel armor plates. The M160 is designed to be protected against mine-explosion fragments. Mine clearing is conducted by using the flailing motion of high-speed, rotating chained hammers. The machine digs and powders the soil up to a depth of 2 inches (threshold)/6 inches (objective), depending on soil type. The digging action may result in the detonation or shattering of AP mines. The M160 system consists of the following major components: engine, hydraulic system, flail head assembly, remote control system and drive train.

SYSTEM INTERDEPENDENCIES

In this Publication

None

Other Major Interdependencies

Trailers for transporting

PROGRAM STATUS

- **1QFY12:** Type Classification Standard
- **1QFY12:** Conduct Performance Based Logistics BCA and Core Logistics Analysis (CLA)
- **4QFY12:** 81 systems produced with 64 systems fielded in support of Operation Enduring Freedom (OEF)

PROJECTED ACTIVITIES

- Support ONS Request to develop/integrate CREW communication systems for M160 systems operating in OEF
- **FY15:** Prepare for RECAP of 41 systems returning from theater after OEF drawdown for fielding of POR systems

ACQUISITION PHASE

Technology Development	Engineering & Manufacturing Development	Production & Deployment	Operations & Support
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Anti-Personnel Mine Clearing System, Remote Control M160

FOREIGN MILITARY SALES

Zagreb, Croatia

CONTRACTORS

Subcontractor:

SAIC (Huntsville, AL)

