

Mobile Maintenance Equipment Systems (MMES)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

To repair battle-damaged combat systems on site and up through the direct support level in the forward battle area.

DESCRIPTION

Mobile Maintenance Equipment Systems (MMES) employs a system-of-systems approach to provide two-level maintenance capability to the warfighter. These systems reduce common tool redundancy, provide tool standardization, minimize transport requirements, and are backed by the Product Manager Sets, Kits, Outfits, and Tools (PM-SKOT) Warranty/Replacement Program. MMES includes the following: Shop Equipment Contact Maintenance, Forward Repair System, Standard Automotive Tool Set, and Shop Equipment Welding.

The Shop Equipment Contact Maintenance (SECM) is a first responder to battle/IED-damaged tracked, wheeled, ground support, and aviation equipment and provides immediate field-level maintenance. Because the SECM's mobility, agility, and maintenance capability is a combat maintenance multiplier, it gets equipment back into the fight as far forward as possible. The SECM supports modularity and Army transformation. The SECM is a fabricated enclosure mounted on a separately authorized associated support item of equipment (ASIOE) High Mobility Multipurpose Wheeled Vehicle (HMMWV). It integrates commercial off-the shelf tools and components for engineer and ordnance maintenance units.

The Forward Repair System (FRS) is a high-mobility, forward maintenance/repair module system. Mounted to a flat rack, it is transported by Palletized Load System (PLS) trucks in Heavy Brigades, or by the Heavy Expanded Mobility Tactical Truck Load Handling System (HEMTT-LHS) in Stryker

Brigade Combat Teams (SBCTs). Capabilities of the FRS include: crane capacity up to 10,000 pounds, 35 kilowatt generator, air compressor, welding and cutting equipment, and industrial grade hand/pneumatic/power tools.

The Standard Automotive Tool Set (SATS) provides the warfighter a common tool set that is capable of performing field-level maintenance of military vehicles and ground support equipment at all levels of materiel system repairs. SATS increases tactical independence and enables the unit to fight autonomously via self-maintaining capabilities for all organic systems. SATS features a modular containerized shop set that is deployable, mobile, and mission capable, with a tool load that supports two-level maintenance.

The Shop Equipment Welder (SEW) provides a full spectrum of welding capabilities throughout the battlefield in all weather, climatic, and light conditions. SEW provides heavy-duty, on-site welding capability, supporting

two-level maintenance utilizing qualified Army welders. The SEW contains provisions for safe oxygen acetylene braze welding, straight-stick electric arc, metal inert gas, air-carbon arc cutting and flux-cored arc welding of ferrous and non-ferrous metals.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **Current:** Production and fielding

PROJECTED ACTIVITIES

- **Continue:** Production and fielding

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Mobile Maintenance Equipment Systems (MMES)

FOREIGN MILITARY SALES

SECM:

Iraq, Kuwait, Afghanistan, Canada, Egypt

SEW:

Egypt, Greece, Saudi Arabia, Armenia, Afghanistan

CONTRACTORS

FRS and SECM:

Rock Island Arsenal (Rock Island, IL)

Snap-on Industrial (Crystal Lake, IL)

SATS:

Kipper Tool Company (Gainesville, GA)

AAR Mobility Systems (Cadillac, MI)

SEW:

Power Manufacturing, Inc. (Covington, TN)



SECM
*Shop Equipment
Contact Maintenance*



FRS
*Forward
Repair System*



SATS
*Standard Automotive
Tool Set*



SEW
*Shop Equipment
Welding*

