



UNCLASSIFIED

Equipment Requirements Information Paper
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Mobile Electronic Warfare Support System

Purpose. To provide background on the Mobile Electronic Warfare Support System (MEWSS) Product Improvement Program (PIP)

Background Information.

- **Predecessor System:** The MEWSS PIP replaces the MEWSS which was fielded in the mid-eighties.
- **Related Systems:** This program was a multi-service program with U.S. Army intelligence and electronic warfare common sensor (IEWCS). The Army has since abandoned its IEWCS program, replacing IEWCS with a new start called Prophet.
- **System Description:** MEWSS (PIP) provides a capability to conduct Signals Intelligence (SIGINT) operations and EW from a mobile, light-armored protected platform to support a MAGTF. MEWSS PIP is an advanced Electronic Warfare suite integrated into a Light Armored Vehicle. It provides the Marine Air Ground Task Force a mobile EW system capable of operating in a wide variety of tactical situations. MEWSS PIP components will consist of SIGINT, communications, electronic attack, and navigation equipment to permit the radio battalions to perform the following tasks:
 - Conduct signal search.
 - Acquire lines of bearing to enemy transmission sites and communications equipment.
 - Perform initial analysis of collected data and report SIGINT/EW information, to include Indications and Warning (I&W), to the supported commander.
 - Conduct electronic attack.
 - Maneuver with the MAGTF. Operational Concept.
- The system will be employed in accordance with the doctrine, procedures and techniques prescribed in Marine Corps Warfighting Publication (MCWP)2-15. and United States Signals Intelligence Directives (USSID) 2413 and 2414. The MEWSS PIP will be generally used in the same manner as the equipment it replaces consistent with the added

capabilities and limitations of the improved mission equipment. Chronology.

- DOTES: Oct 97
- MNS: Jun 93
- ORD: Aug 94
- COE: Mar 96
- IOC: FY 05
- FOC: FY 07