

Medical Communications for Combat Casualty Care (MC4)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

Integrates, fields, and supports a comprehensive medical information system, enabling lifelong electronic medical records, streamlined medical logistics, and enhanced situational awareness for Army tactical forces.

DESCRIPTION

Medical Communications for Combat Casualty Care (MC4) is a ruggedized system-of-systems containing Joint software applications fielded to tactical medical forces throughout the combat zone, the U.S., and contingency operations worldwide. MC4 integrates Defense Health Information Management System (DHIMS) Theater Medical Information Program–Joint (TMIP-J) software, and other Army-unique applications, onto commercial- and government-off-the-shelf technology, providing the tools needed to digitally record and transfer critical medical data from the foxhole to medical treatment facilities worldwide.

Deployable medical forces use the MC4 system to gain quick, accurate access to patient histories and forward casualty

resuscitation information. The system also provides units with automated tools facilitating patient tracking, medical reporting, and medical logistical support. Combatant commanders use the MC4 system to access medical surveillance information, resulting in enhanced medical situational awareness. Most importantly, MC4 is helping deployed service members. By equipping deployed medical units with automated resources, MC4 helps ensure service members have a secure, accessible, lifelong electronic medical record, which results in better-informed health care providers and easier access to Veterans Administration medical benefits.

The MC4 system comprises seven Army-approved line items that can be configured to support Army levels one through four and DoD roles one through three of the health care continuum. Future MC4 enhancements will be accomplished through minor system upgrades and major planned upgrades. With 10 years of experience managing DoD's first battlefield medical recording system, MC4 remains the most widely-

used, comprehensive information management medical system on the battlefield.

SYSTEM INTERDEPENDENCIES

Other Major Interdependencies

MC4 relies on software developers such as DHIMS to provide global software databases to store data generated by the MC4 system, providing medical situational awareness for operational commanders and patient record visibility to medical staff worldwide.

PROGRAM STATUS

- **3QFY08–4QFY10:** Fielding per the dynamic Army resourcing priority list
- **4QFY09–4QFY10:** Fielding TMIP Block 2 release 1 software (MC4 planned upgrade #1) to theater units

PROJECTED ACTIVITIES

- **1QFY11:** Begin fielding TMIP Block 2 release 1 service pack 1
- **4QFY12:** Begin fielding TMIP Block 2 release 2 software
- **4QFY15:** Full operational capability (objective)

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Medical Communications for Combat Casualty Care (MC4)



FOREIGN MILITARY SALES

None

CONTRACTORS

Hardware:

Telos Corp. (Ashburn, VA)
 Dell Federal Systems (Round Rock, TX)

System Engineering Support:

Johns Hopkins University Applied Physics Laboratory (Laurel, MD)

System Integration Support:

L-3 Communications (Reston, VA)

Fielding, Training, and System Administration Support:

General Dynamics (Fairfax, VA)

