



MSS PMO supports 24 unit assemblages and 49 products for the US Army Medical Research and Materiel Command as its core responsibility in the following areas:

- Medical Prototype Development Lab
- Preventive Medicine
- Medical Evacuation and Treatment Platforms
- Medical Shelters and Infrastructure
- Combat Casualty Care Support Systems
- Operational Medicine



Mission

The MSS PMO mission is to develop, procure and sustain the best medical evacuation, combat casualty care support, and operational and preventive medicine solutions for the Combat Soldier.

Vision

The MSS PMO vision is optimal Force Health Protection through the integration of medical support solutions across the Army force structure.

USAMMDA Mission

Develop and deliver quality medical solutions to protect, treat, and sustain the health of Our Service Members.

USAMMDA Vision

USAMMDA is the premier developer of world class military medical solutions.

For more information about MSS PMO

Visit our website:

www.usammda.army.mil/MedSupport.html

Or contact us at:

USAMMDA Public Affairs Office
1430 Veterans Drive, Fort Detrick, MD 21702
301.619.7056

Medical Support Systems
Project Management Office
1430 Veterans Drive
Fort Detrick, MD 21702

Have a novel idea or product, let us know!

http://www.usamraa.army.mil/pages/Products_Ideas/index.cfm



US Army Medical Research and Materiel Command

Protect the Warrior, Sustain the Force

Last updated: January 8, 2013

USAMMDA

US Army Medical Materiel Development Activity



*Developing Quality Medical Products
for U.S. Forces*

Medical Support Systems Project Management Office (MSS PMO)



Committed to Aid the Combat Soldier

The Medical Support Systems Project Management Office

The Medical Support Systems Project Management Office (MSS PMO) is a multidisciplinary team with broad mission capabilities for the advanced development of medical products used to sustain and support the Combat Soldier. The team consists of product and logistics managers and model makers who have expertise in project management, lifecycle management, engineering, fabrication, and technical testing.

MSS wins 2010 National Security and International Affairs Medal

Samuel J. Heyman
SERVICE to AMERICA MEDALS



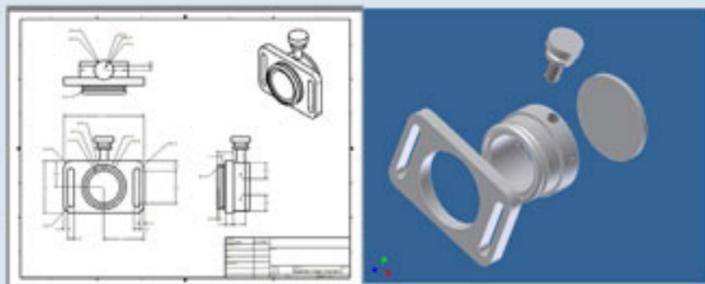
MSS PMO won the National Security and International Affairs Medal for designing, managing, and fielding Casualty Evacuation (CASEVAC) conversion kits for Mine Resistant Ambush Protected (MRAP) vehicles.

The CASEVAC kits assist medics to provide immediate treatment at the point of injury and get Soldiers to hospitals in the critical first hour.



Medical Prototype Development Laboratory

The Medical Prototype Development Laboratory (MPDL) is a small team of engineering technicians who design, develop drawing packages, and rapidly build prototype medical devices. MPDL also adapts commercial off-the-shelf components, equipment, and products for use in a field environment.



Recent successes:

- Apparatus for unmanned aircraft rotor testing
- MRAP All-Terrain Vehicle CASEVAC Kit modification prototype bracketry developed in-house
- Traumatic Brain Injury Blast devices (US Patent application)
- Mini-Special Medical Emergency Evacuation Device (SMEED), allowing medics and surgeons to provide point of injury surgeries. Collaborative effort with the Air Force Special Operations Command



Preventive Medicine

MSS PMO develops materiel solutions for vector surveillance and control and identification of infectious diseases.



- Field deployable carbon dioxide generator
- Long-lasting insecticide-impregnated bed net
- Insecticide matrix for sandfly and mosquito control
- Improved Vector Trap
- Next Generation Diagnostic System



Operational Medicine

MSS PMO provides effective countermeasures against stressors and maximizes health, performance, and fitness throughout the deployment cycle.

Environmental Sentinel Biomonitor: Detects and rapidly identifies toxicity in water to protect Soldier health.

Load Carriage Decision Aid: Predicts injury potential and performance capabilities of different loads/conditions.

Alertness Management in Military Operations: Improves soldier safety by determining operational readiness. Fatigue is the greatest cause of accidents in transport operations.

Altitude Readiness Management System: Monitors unit altitude illness risk and predicts performance using a handheld sensor and software decision device.

Injury Prevention & Reduction Decision Aid: Assesses effects of training and injury to establish preventive measures.

Medical Evacuation and Treatment Platforms

MSS PMO supports three medical evacuation platforms and equipment sets:



Wheeled
MRAP MaxxPro Plus



Track
Armored Multi-Purpose Vehicle for heavy brigade combat teams (HBCT)



Air Medical Evacuation Equipment Sets, for the Blackhawk helicopter

Medical Shelters & Infrastructure

The Army Medical Department is developing soft- and rigid-wall medical shelters that set up 50% faster, are lighter weight and more deployable, and cost less.

Freshwater/Wastewater Collection Systems: Provide potable water and removal of grey water for Combat Support Hospitals.



Combat Casualty Care Support Systems

The goal is to reduce casualties by 25% and morbidity from injuries by providing tools to assist first responders to quickly and effectively treat combat troops.



Wheeled Litter Carrier: Allows two users to ergonomically transport a patient on a standard NATO stretcher.

Trauma Tiered Medic Bag: Tailors supplies for the three-pouch bag used in theatre operations.



Treatment Table and Medical Lighting: Increases care for wounded in medical treatment vehicles in HBCT.



SHock Impact and Explosive Limits Dosimeter: Incorporates nanosensors and dyes into the pads of the combat helmet, which indicate the magnitude of concussive force.



Combat Application Tourniquet: Provides ability for self, buddy and medic aid.



Improved First Aid Kit: Provides intervention for the two leading causes of death on the battlefield: severe hemorrhage and inadequate airway.



Chemical Warfare Agent Patient Protective Wrap: Protects against chemical agents for uncontaminated/decontaminated litter patients awaiting evacuation or in treatment facilities.