



Fielding Commercial Off the Shelf Products

MILITARY MEDICINE PARTNERSHIP DAYS
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US Army Medical Research and Materiel Command
23 March 2015



Why?





COTS Fielding to Army Field Medicine



MRMC Program Management Offices are Responsible for:

- Management and Configuration of 233 Line Item Number (LIN) Items
 - *113 Sets, Kits, and Outfits*
 - *Includes Medical and Support Capabilities*
 - *Modernization and Insertion of New Capabilities*
- Advanced Development of New Capabilities
- Interface with Non-Medical Program offices for Medical Requirements
 - *Vehicle Program Offices for Ambulance Requirements*
 - *PEO Soldier for Individual Medical Requirements*



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COTS Fielding to Medical Facilities



Provide Central Procurement Management for Capital Equipment Items (over \$100k).

- Image Management
 - *Picture Archival and Communication System (PACS) Modernization and Maintenance*
- Medical Care Support Equipment (MEDCASE)/Super Capital Expense Equipment Program (SuperCEEP)
 - *Requirements Validated by the Technology Assessment and Requirements Analysis (TARA) Team*





Fielding/Centralized Programs



The MRMC Production/Centralized, Strategic Materiel Readiness Programs are Responsible for.

- Fielding Medical Sets to Operational Forces
- Lead for Medical Life Cycle Management of Medical Materiel
- Manages Centralized Strategic Materiel Readiness Programs
 - *Department of Army*
 - *All Army Pre-Positioned Stocks*
 - *Office of the Surgeon General*
 - *Medical Materiel Readiness Program*
 - *Unit Deployment Packages*
 - *Medical Chemical Defense Materiel*
- Foreign Military Sales





Maintenance Program



- Operates ISO 9000 Certified Centers of Excellence for Specific Equipment Functionalities
 - *Tracy, CA – Medical Imaging Systems and TMDE-SP*
 - *Hill AFB, UT – Anesthesia, Pulmonary, Oxygen Generation*
 - *Tobyhanna, PA – Laboratory*
 - *FRA-M Team – Forward Support in Each Functionality*
- Operates Calibration Lab for Army Special Purpose Test, Measurement, and Diagnostic Equipment (TMDE-SP)
- Maintenance Support for all Medical Equipment for Fielding
- National Maintenance Program





Medical Support Commercial Off the Shelf (COTS) Products

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LTC Joseph M. Mrozinski
Force Sustainment Directorate
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23 March 2015



Who We Are and What We Do



US Army Medical Materiel Agency- Force Sustainment Directorate

1. Procurement and Assembly of Medical Sets, Kits and Outfits using Third Party Logistics Provider sites. (DLA and Contractor sites)
2. In 2014 we delivered 2,386 sets and 7,500 pieces of medical equipment to 160 units in the Active Army, National Guard and Reserves.
3. We use a variety of procurement vehicles negotiated primarily through Defense Logistics Agency and USAMRAA.

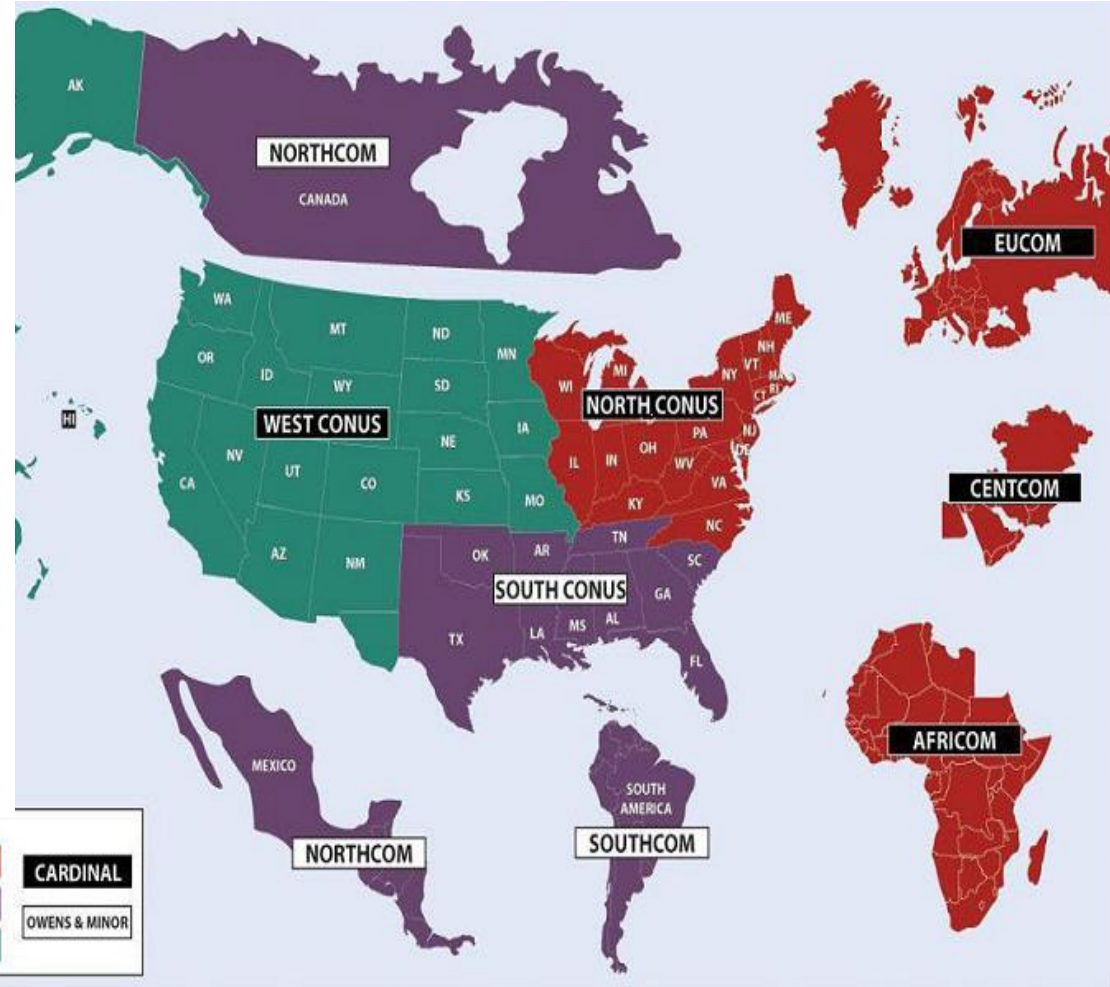




How We Do It



- ❖ Procurement of SKO components and equipment done at Fort Detrick, MD.
- ❖ Assembly of Medical SKOs done at facilities in UT and PA.
- ❖ MedSurg and Pharm. procurement based on regionally awarded contracts.



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MAJ Parnell Coleman

Deputy Project Manager for Medical Devices

US Army Medical Materiel Agency (USAMMA)

US Army Medical Research and Materiel Command

23 March 2015



Purpose



To increase understanding of the (USAMMA) Modernization Process of Medical Devices.

- Why do we modernize?
 - *Market analysis*
 - *Standards of care*
 - *Procurable, maintainable or sustainable*
 - *Changes in DOTMLPF or role of care structure*
 - *New regulatory requirement*
 - *Operational or emergent circumstances*
- What are the identified gaps in this process?
 - *Funding delays*
 - *Procurement of testing articles*





Future Modernization Projects



1. Portable Ophthalmic Microscope
2. Light, Surgical Floor
3. Tourniquet System Pneumatic
4. Electrocardiograph





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Mr. James Cromartie

**Medical Support Systems Project Management Office
US Army Medical Materiel Development Activity (USAMMDA)
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US Army Medical Research and Materiel Command**

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Medical Support Systems Mission



Develop and sustain the best medical evacuation, combat casualty care support, and operational and preventive medicine programs and solutions for the Soldier

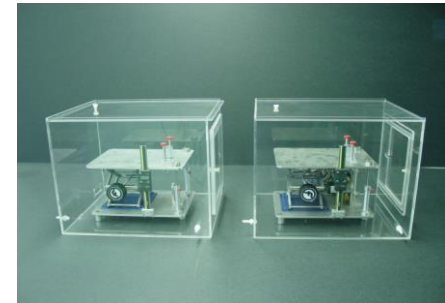
Medical Evacuation and Treatment



Combat Support Hospital Infrastructure



Rapid Prototyping Lab



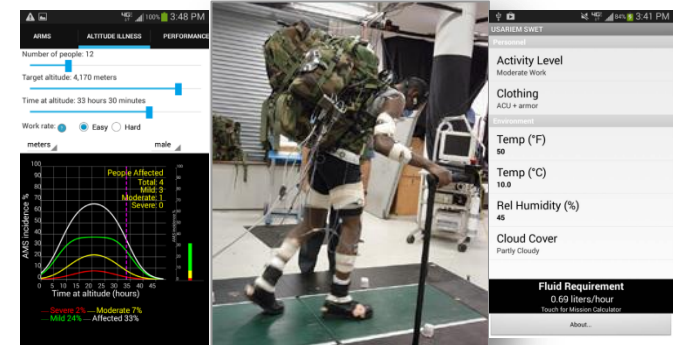
Combat Casualty Care Support Systems



Preventive Medicine



Operational Medicine





Capability gaps exist in current material solutions: Preventive Medicine Sets:

1. Entomology

- Flying Vector Trap
 - Other attractants
 - Improved power source
 - Day & night trapping

2. Water Quality

- Coliform Analyzer
 - 8 hr. test result
 - Reduced size/weight
 - Automated report output





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Mr. John (Jack) K. Rosarius

Director, Medical Maintenance Management

US Army Medical Materiel Agency (USAMMA)

US Army Medical Research and Materiel Command

23 March 2015



Overview



1. Ability to expediently obtain repair parts (ECAT)
 - *Government Purchase Card limited to \$3,000*
2. Service permissions/keys
 - *Many vendors lock out 3rd party service organizations*
3. Special training necessary to maintain in theater
 - *Army Biomedical Equipment Specialist expected to service 200 makes/models with generic training; does the manufacturer offer exportable training*
4. Configuration Management
 - *Web accessible/downloadable software/firmware upgrades; literature updates version traceability; service bulletins/field change orders*
5. Special Tools and/or Test Equipment necessary to maintain
 - *Minimize amount of specialized tools and test equipment*





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Mr. Jimmy Bisenieks

Product Manager for Clinical Technologies

US Army Medical Materiel Agency (USAMMA)

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23 March 2015



Purpose



To increase understanding of the (USAMMA) Capital Equipment Life Cycle Procurement Process

- The process in which medical devices are procured
 - *Requirement generation*
 - *Packet creation and assembly*
 - *Contracting agency*
 - *Installation and acceptance*
 - *Life cycle oversight and tracking*
- Identified gaps in this process
 - *Funding delays*
 - *Contract actions*





Future Deployment Projects



- Hybrid Operating Rooms
- Radio Frequency Identification Device (RFID) Tracking





Functionality



- Image Management Systems (PM IMS) assists in the TARA Program and provides lifecycle management of PACS, radiology workstations, voice dictation systems, and other image management capabilities.
- Clinical Systems (PM CS) executes the expanded TARA Program and provides lifecycle management of imaging and non-imaging clinical systems.





Questions?



For additional questions after the conclusion of the conference, send an email message to usarmy.detrick.medcom-usamrmc.mbx.mmpd@mail.mil

