Combat Equipment and Support Systems
Product Group 16

Overview

Col Ed Smith, Product Group Director
MISSION - Develop, acquire, integrate, field and manage the life cycle of combat equipment and support systems that maximizes warfighter capabilities and enhances their ability to accomplish their mission.

PORTFOLIO:
- Automatic Test Equipment
- General Purpose Tools & Test Sets
- Visual Information Systems
- Autonomic Logistics
- Combat, Service, & Dress Clothing
- Field Food Service Equipment
- Infantry Combat Equipment
- Personal Protective Equipment
- Uniform Board Support
- Tents and Shelters
- CBRN Incident Response
- CBRN Individual Protective Equipment
- General Purpose Support Equipment
- Medical Equipment

THRIVE IN AND SURVIVE THE FIGHT!
Product Group Principals:

- PM Test, Measurement & Diagnostic Equipment (TMDE): LtCol Charles Parton
- PM Chemical, Biological, Radiological & Nuclear (CBRN): Mr Scott Adams (Deputy)
- PM Infantry Combat Equipment (ICE): LtCol AJ Pasagian

Competency Alignment Team:

- Business Manager: Mr Charles Hall
- Contracts Manager: Ms Dorinne Rivoal
- Lead Financial Manager: Ms Sherry Davis
- Lead Engineer: Ms Susan Torfin
- Lead Logistician: Ms Rega Reid
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PG-16: Things that keep me awake at night (Where you can help!)

- Tactical Vest
- Flame Resistant Organizational Gear (FROG)
- 7.62 Helmet
- Weight Reduction Efforts (i.e. PPE)
- Cold Weather Gear
- Field Medical Gear
- Sustaining OPE
Next Speaker:

PM Infantry Combat Equipment (ICE)
LtCol AJ Pasagian
Combat Equipment Support Systems
Product Group 16
PM Infantry Combat Equipment (ICE)

Program Manager: LtCol A. J. Pasagian
PM Description: Research, develop, and procure clothing, individual and organizational equipment to improve survivability, mobility, sustainability, and quality of life for the individual Marine.

Portfolio Description: Portfolio covers uniform clothing items, individual body armor, load carriage systems, mountain and cold weather equipment, field food service systems, and an assortment of individual items designed to enhance the effectiveness of the individual Marine in combat.

Why are we soliciting help from industry: Seek to improve our items through a combination of emerging technologies and commercial off-the-shelf solutions.
Near-Term Program Initiatives

- Flame Resistant (FR) materials and treatments – Need to defeat flash burn injuries from IEDs.
- Individual armor and integration
  - Next generation helmet
  - Next generation vest
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Future Program Initiatives

• Perpetual development effort to leverage technological advances
  – Ballistic Protection.
  – FR Protection.
  – Mountain and Cold Weather Equipment.
Open Discussions

- **Monthly**
  - PM ICE Industry Day
    - Monthly opportunity for industry representatives to meet with Project Officers and Team Leaders.

- **Annually**
  - Joint Advanced Planning Brief to Industry
    - Held annually in late spring.
    - Sponsored jointly by the Army, Marine Corps, Navy, Air Force, Coast Guard and Defense Logistics Agency (DSCP).

- **As Required**
  - Item Specific Industry Days
    - Announcement posted to FEDBIZOPPS.
Next Speaker:

PM Chemical, Biological, Radiological & Nuclear (CBRN): Mr Scott Adams
Combat Equipment and Support Systems
Product Group 16
PM Chemical Biological Radiological Nuclear (CBRN) Systems

Program Manager: Scott Adams
Description: The Program Manager CBRN Systems portfolio contains programs supporting:

- The Marine Sense, Shape and Shield (M3S) Team
- The Family of Incident Response Systems (FIRS) Team
- The Family of Field Medical Equipment (FFME) Team
- The Family of Shelters and Decontamination Equipment Team

Additionally, the Program Manager CBRN Systems is responsible for:

- All Joint Chemical, Biological, Radiological, and Nuclear Defense programs
- The Consolidated Storage Program

Industry Participation:
- Active engagement
- Critical to our success
Near-Term Program Initiatives

• M3S Team
  – Continued interface with JPEO CBD Joint Product Managers on all CBRN systems

• FIRS Team
  – Technologies required to neutralize or remove hazardous materials
  – Improved Individual Protection

• FFME Team
  – Monitoring Oxygen Ventilation and External Suction (MOVES) Device
  – Vaccine and Regent Refrigeration System (VARRS)
  – Field Anesthesia Machine and Sterilizer Unit

• Family of Shelters and Decontamination Equipment Team
  – Lighter, more durable soft walled shelters
  – New family of rigid wall shelters
## PM CBRN FYDP Investments

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**CBRN Fielding & Sustainment**

**M&S Forecasting**

**COTS Technology Insertion**

**MOVES/VARRS**

**Traumatic Brain Injury**

**Rigid Wall Shelters**

**Camouflage Net System**
Future Program Initiatives

• M3S Team
  – Improved equipment forecasting

• FIRS Team
  – Improved Casualty Care
  – Improved Personnel Protective Equipment
  – Improved Victim Recovery

• FFME Team
  – Traumatic Brain Injury

• Family of Shelters and Decontamination Equipment Team
  – Multi-environment camouflage net system
Open Discussions

• CBIRF Industry Day
  – Periodic meeting to demonstrate new First Responder technologies and solicit feedback from Marines
  – RFIs published to solicit information on technologies supporting CBIRF mission areas

• Industry Working Groups
  – Inter-Agency Board (IAB)
  – National Fire Protection Association (NFPA)
  – National Defense Industrial Association (NDIA)
  – Joint Committee on Tactical Shelters (JOCOTAS)
Next Speaker:

PM Test, Measurement & Diagnostic Equipment (TMDE): LtCol Charles Parton
Combat Equipment & Support Systems
Product Group 16
Test, Measurement, & Diagnostic Equipment (TMDE)

Program Manager: LtCol Charles Parton
Description: PM TMDE-VIS provides test, measurement, diagnostic and visual information resources to Marine Forces and Program Offices to support the Warfighter’s Mission… "Winning Battles".

The PM TMDE-VIS portfolio contains:
- Automatic Test Systems
- Autonomic Logistics
- General Purpose Electronic & Mechanical Test Systems
- Calibrations
- Visual Information Systems

Maintenance and sustainment of weapon systems is steady and continuous – as are our efforts.

PM TMDE-VIS buys primarily COTS/modified COTS to support new and legacy ground weapon systems (anything that shoots, moves, or communicates).
Near-Term Program Initiatives

- **Autonomic Logistics (AL)** – implementing Increment II of the AL capability, moving data off of selected platforms and into logistics systems. FY09 and beyond.

- **Radio Test Sets** – a test set to perform automated tests of the current Marine Corps inventory of software-defined tactical radios. FY08 and beyond.

- **Mechanical Test Equipment** – COTS engine and transmission dynamometers packaged in ISO containers. FY08 and beyond.

- **Combat Camera & Combat Correspondence Equipment** – potential convergence of digital media acquisition and transmission technologies to more easily and economically acquire, edit and transmit information and imagery -- locally, regionally and globally. FY08 and beyond (driven by technology obsolescence).
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Future Program Initiatives

• **Autonomic Logistics (AL)**
  – Install AL on additional platforms as required
  – Increment III MAGTF C2 Integration

• **Radio Test Sets**
  – Follow-on procurement of Test Program Sets

• **Mechanical Test Equipment**
  – Mobile Alternator/ Starter/ Heater Test Stand
  – Mobile Fuel Pump/ Injector Test Stand
  – Mobile Hydraulic Test Stand

• **Combat Camera & Combat Correspondence Equipment**
  – Continued upgrades and refreshes as still photography and video capture equipment continues to converge and improve.
Open Discussion Topics

- **Automatic Test Conference (AUTOTESTCON)**
- **DoD Maintenance Symposium**
- **PM Sets, Kits, Outfits, & Tools (SKOT) (US Army)**
- **Naval Inventory Control Point (NAVICP)**
- **Army Public Affairs**
PG-16
Panel questions and answers