Project Manager (PM)
Soldier Protection and Individual Equipment (SPIE)
Program Overview
To
Joint Advanced Planning Brief for Industry

COL DEAN HOFFMAN
Project Manager
PM Soldier Protection & Individual Equipment

20 October 2016
PM SPIE Leadership Organization Chart

PM SPIE Mission:
Equip, clothe and protect Soldiers to maximize their performance needed to win in a complex world.

Fort Belvoir, VA

Senior Enlisted Advisor
MSG Corey Ingram

DASC
Jake Mullenix

Deputy
Andrew Clements

Product Manager
Soldier Clothing and Individual Equipment
APMs
MAJ John Rider
MAJ Bryan Duncan
TBD
Mr. Scott Hulett
Ms. Sequana Robinson

Deputy Jeff Myhre
LTC John Bryan

Director, Business Management
J.R. Nolen

Director, Logistics
Joseph Carlson

Deputy Cary Ferguson
LTC Kathy Brown

Director, Operations & Plans
Gary Pesano

Director, Technical Management
Dr. James Zheng

Director, Quality Assurance
Duane Cook

Project Manager
Soldier Protection & Individual Equipment
COL Dean Hoffman

Product Manager
Soldier Protective Equipment
APMs
MAJ Brandon Motte
MAJ Juan Carleton
CPT Paul Janker
CPD Nicole Clark
Mr. Benny Shepard

Yuma, AZ
(Freefall NET)

Ft Bliss, TX
(FIP)

Ft Hood, TX
(FIP)

Ft Lee, VA
(Airdrop NET)

Lansing, MI
(Staging)

Philadelphia, PA
(LSO)

Natick, MA
(NSRDEC)

POE Soldier

PM Soldier Protection and Individual Equipment

Sierra Army Depot, CA
(TACOM)
Current Budget Environment

- RDTE stability driven by ability to obligate and disburse funding
- OCO funding driven by technology advancements / RFI list and number of deployers
- CFF (OMA) increasing as OCO decreases
* BESPOM 2.2 dated 21 September 2016
RDT&E / OPA Funding ($M)*

*BESPOM 2.2 dated 21 September 2016

RDTE APEs:
OCIE - 643827S53, 654601S60
Airdrop - 643827ET8, 654601ES9
PPE - 643827VS4, 654601VS5
NGABS - 654808016

OPA APE:
MA7801000
PM Focus Areas

- Current Programs of Record
- Future Programs of Record
- Continued support of Soldiers deploying to global Operations through Rapid Fielding Initiative (RFI)
- Total Life Cycle Management
  - OCIE Fleet Management
  - Divestiture
  - S&T Communication and Considerations
- Focus of the Future
Current Programs of Record (SPE)

- Soldier Protection System – Path Forward
  - Torso and Extremity Protection
    - Achieved Full Rate Production (FRP) Decision 4QFY16
    - Procure to Army Procurement Objective (APO) of 157,610
  - Integrated Head Protection System
    - Achieved Low Rate Initial Production (LRIP) Decision 4QFY16
    - Anticipate Full Rate Production Decision 4FY17 and follow-on procurements APO quantity of 139,590
Current Programs of Record (SPE)

- Soldier Protection System – Path Forward
  - Vital Torso Protection
    - Anticipate Full Rate Production Decision in FY 17 with follow-on procurement to APO quantity of 143,178 sets
  - Integrated Soldier Sensor System
    - In Development; anticipate Low Rate Initial Production Decision in FY 18; production quantities to be determined

- Bomb Suit Capability
  - Advanced Bomb Suit Improvements
    - Procure 153
Future Programs of Record (SPE)

- Next Generation Advanced Bomb Suits (NGABS)
  - Next Generation Advanced Bomb Suit (NGABS)
    - Anticipate MS-B decision FY 18
    - APO anticipated to be approximately 812
Current Programs of Record (SCIE)

- Flame Resistant Environmental Ensemble
  - Quantities required to reach APO: 27,248

- Army Combat Glove
  - Quantities required to reach APO: 108,679
Current Programs of Record (SCIE)

- **Multi-Purpose Hydration System**
  - Quantities required to reach APO: 78,644
  - APO may be increased

- **Individual Water Treatment Device**
  - Anticipate FRP decision in FY 17
  - Estimated APO: 49,226
Future Programs of Record (SCIE)

- Environmental Protection System
  - Jungle Combat Boot
    - Anticipate FRP decision in FY 19
    - Estimated APO: 344,839
  - Jungle Combat Clothing Ensemble
    - Anticipate FRP decision in FY 19
    - Estimated APO: 689,678
  - Extreme Cold Weather Boot
    - Anticipate FRP decision in FY 19
    - Estimated APO: 35,388
  - Cold Weather Boot
    - Anticipate FRP decision in FY 19
    - Estimated APO: 61,928
  - Modular Glove System
    - Anticipate FRP decision in FY 20
    - Estimated APO: 61,928
Future Programs of Record (SCIE)

- **Environmental Protection System (cont)**
  - CW Glove
    - Anticipate FRP decision in FY 20
    - Estimated APO: 61,928
  - Parachutist’s Environmental Kit
    - Anticipate FRP decision in FY 20
    - Estimated APO: 6,920
  - Environmental Protection Clothing
    - Anticipate FRP decision in FY 21
    - Estimated APO: 176,938

- **Athletic Shoe**
  - Multi-Service
  - Anticipate annual procurement of up to 225,000
Rapid Fielding Initiative

**RFI List updated, validated and resourced annually**

- Latest technology considered for addition to list when FRP decision is achieved and contracts in place

**Soldiers issued RFI**

*RFI – Future Years*

RFI team plans for 60K deployers each year. Will not be required to procure all new equipment. Some equipment is refurbished, high stockage levels of some equipment. RFI team will buy to need.
Total Life Cycle Management

**Definitions:**

- **OCIE Fleet Management:** The ability to effectively track and manage OCIE stockage levels to allow informed decision-making by leaders to provide the best equipment for Soldiers while ensuring best value to the Government RFI planning factors: 60K deployers annually

- **Divestiture:** The timely reduction of OCIE assets to allow for continuous technology refreshment through:
  - Consumption
  - Foreign Military Sales
  - DRMO (Defense Reutilization and Marketing Office)
  - Special Dispensation Instructions
  - Other Services (DOD, Department of Homeland Security, etc.)

**Organizational Clothing and Individual Equipment**

Defined as items issued to enlisted and officer personnel in accordance with CTA 50-900, CTA 50-909 or CTA 50-970. These items are usually issued from central issue facilities (CIFs) and remain the property of the US Army. These items include but are not restricted to, ballistic protection; personal clothing and equipment; tactical/environmental clothing; nuclear, biological, and chemical clothing and equipment; and individual Soldier/Unit equipment (ex: MOLLE, IOTV)
Total Life Cycle Management

- Working closely with S&T partners to manage timely technology insertions

- Examples of current S&T focus for SPIE end items
  - Improved Fabrics (IFF, FR, vector protection, anti-microbial properties, thermal capability, environmental capability, etc.)
  - Improved ballistic protection and lighter weight
  - Transitional eyewear, laser eye protection
  - Water filtration to remove TICs/TIMs
  - Parachute Improvements
    - High Glide Canopies; signature management
    - Reduced weight static line canopy release assembly
    - Static Line Automatic Activation Device
    - Smart Universal Snaphook
    - Next Generation O2
### Army Combat Shirt

#### Materials for Next Gen Diffractive Optics & Textile Coatings (13-110)
- **Effort/Status**: FY 15, FY 16, FY 17, FY 18, FY 19, FY 20, FY 21, FY 22, FY 23, FY 24, FY 25

- **Funding**: Stock

<table>
<thead>
<tr>
<th>FY 15</th>
<th>FY 16</th>
<th>FY 17</th>
<th>FY 18</th>
<th>FY 19</th>
<th>FY 20</th>
<th>FY 21</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.2</td>
<td>6.3</td>
<td>6.4</td>
<td>6.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Event**: TRL Transition Event
- **Description**: Material that provides Identification Friend of Foe (IFF) capability on fabric and signature reduction (40%) (25%)

#### Warfighter Improved Combat ID Development (WICID) (14-157)
- **Effort/Status**: FY 15, FY 16, FY 17, FY 18, FY 19, FY 20, FY 21, FY 22, FY 23, FY 24, FY 25

<table>
<thead>
<tr>
<th>FY 15</th>
<th>FY 16</th>
<th>FY 17</th>
<th>FY 18</th>
<th>FY 20</th>
<th>FY 21</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.2</td>
<td>6.3</td>
<td></td>
<td></td>
<td>6.4</td>
<td>6.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Event**: Fielding Event
- **Description**: (Provide more covert IFF solution on the battlefield) (40%)

#### FR Materials Development Strategic Program (16-231)
- **Effort/Status**: FY 15, FY 16, FY 17, FY 18, FY 19, FY 20, FY 21, FY 22, FY 23, FY 24, FY 25

<table>
<thead>
<tr>
<th>FY 15</th>
<th>FY 16</th>
<th>FY 17</th>
<th>FY 18</th>
<th>FY 19</th>
<th>FY 20</th>
<th>FY 21</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.2</td>
<td>6.3</td>
<td>6.4</td>
<td>6.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Event**: Contract Award Event
- **Description**: (Develop next generation FR Fabrics (inherent FR, coatings, etc)) (50%)

#### Textile Printing Inks for 50/50 Nylon/Cotton (Nyco) for Flame Resistant (FR) Protection (15-027)
- **Effort/Status**: FY 15, FY 16, FY 17, FY 18, FY 19, FY 20, FY 21, FY 22, FY 23, FY 24, FY 25

<table>
<thead>
<tr>
<th>FY 15</th>
<th>FY 16</th>
<th>FY 17</th>
<th>FY 18</th>
<th>FY 20</th>
<th>FY 21</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.3</td>
<td>6.3</td>
<td>6.4</td>
<td>6.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Event**: Fielding Event
- **Description**: (Develop printing inks for 50/50 Nyco provides both camo as well as FR) (70%)

#### Development of Multi-functional Nyco using Microencapsulation (15-077)
- **Effort/Status**: FY 15, FY 16, FY 17, FY 18, FY 19, FY 20, FY 21, FY 22, FY 23, FY 24, FY 25

<table>
<thead>
<tr>
<th>FY 15</th>
<th>FY 16</th>
<th>FY 17</th>
<th>FY 18</th>
<th>FY 19</th>
<th>FY 20</th>
<th>FY 21</th>
<th>FY 22</th>
<th>FY 23</th>
<th>FY 24</th>
<th>FY 25</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.3</td>
<td>6.3</td>
<td>6.4</td>
<td>6.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Event**: Opportunity Event
- **Description**: (Provide vector and anti-microbial fabric properties with FR as a future goal) (25%) (25%)

---

**Acquisition Phase**: P&D
- **APO**: 497,260
- **BOI**: 4 per deployer
- **Unit Cost**: $98
- **APUC**: $111(T)

**Fleet**: Combat Clothing

---

**Legend**
- **Funding**
- **Transition Event**
- **TRL**
- **Requirement Start/Status**
- **Milestone**
- **Contract Award**
- **Fielding**
- **Stock Assessment**
- **Opportunity**
Army Combat Shirt

Acquisition Phase: P&D
BOI: 4 per deployer
Unit Cost: $98
APO: 497,260
APUC: $111(T)

Fleet: Combat Clothing

End of Fiscal Year

Tech Insertion

S&T 13-110
S&T 15-077
S&T 15-027
S&T 14-157
S&T 16-231

Funding = Stock
Assessment = TRL
Transition Event = Requirement Start/Status
Milestone = Contract Award
Fielding = Stock Assessment
Opportunity = Opportunity
Focus of the Future

- Soldier Load
- System Integration
- Divestiture