DLA Clothing & Textiles
Body Armor & Loadbearing Equipment Items

Maria Aguayo
Acting Chief, Individual Equipment
2021 JABPI
Product Line Overview

Ground Troops Body Armor

• Soft Body Armor
  – USMC Plate Carrier (PC) Generation III
  – Improved Outer Tactical Vest (IOTV) Generation IV
  – USMC Protective Under Garment (PUG)
  – Modular Scalable Vest (MSV)

• Hard Body Armor
  – Enhanced Small Arms Protective Inserts (ESAPI)
  – Enhanced Side Ballistic Inserts (ESBI)

Load Carrying Equipment

• Modular Lightweight Loadbearing Equipment (MOLLE)
• USMC Pack System

Miscellaneous Items

• Items: various bags, hammocks, canteens trunk
Obligations

Fiscal Year 2021 Funding Actions

• Planned - $215,781,763.00
• Actual - $286,090,960.00

Fiscal Year 2022 Funding Action Plan

• Total Funding Action Plan - $168,143,007.00
Open Procurements

• 3-Point Sling: RFP SPE1C1-21-R-0076 (Closed); TAD Jan 22
• Knee & Elbow Pads: RFP SPE1C1-21-R-0099 (Closes Dec 21; TAD Jun 22
• USMC Pack System: RFP SPE1C1-22-R-TBD (Closes Dec 21); TAD May 2022
• USMC Plate Carrier, Gen III: RFP SPE1C1-21-R-0049 (Closes Jan 22); TAD Sep 2022
• USMC ESAPI Sizes XS-S & S-S: RFP SPE1C1-22-R-0011 Estimated RFP issue date Dec 2021; TAD Sep 2022
• USMC Lightweight Plate: RFP SPE1C1-22-R-TBD Estimated RFP issue date Jan 2022; TAD Sep 2022
• Army Modular Scalable Vest (MSV): RFP SPE1C1-22-R-TBD Estimated RFP issue date January 2022; TAD Sep 2022
• Mountaineering Kits – Ability One (Source America)
• Law Enforcement Ensemble Kits (LEEK) – Ability One (Goodwill Industries)
Upcoming Opportunities

Plate Carrier (PC) Generation III

- Marine Corps developed Modular Soft Body Armor Vest
- Detail Specification DTL-17001A0029 V1.9.4
  - Areal Density Threshold 0.75 lbs./sq. ft.
  - Areal Density Objective 0.68 lbs./sq. ft.
- 100% HubZone Small Business Set Aside for PVC Vest and Components
  - Contract Max. Qty: First Article samples as detailed in DTL-17001A0029 V1.9.4
  - 42-month maximum qty. in systems: 81,000 Ea.
  - 42-month requirement in various components (Max 702,600 Ea.)
- Target Solicitation Issuance Date: November 2021
- Point of Contract – Catherine Dillon & Michelle Falkowski
**Modular Scalable Vest (MSV)**

- Army developed Modular Scalable Vest, Generation II
  - Areal Density Maximum 0.88 lbs./sq. ft.
- 100% Total Small Business Set Aside for MSV and Components
  - Contract Max. Qty: First Article samples as detailed in AR/PD 15-03 Rev F
  - 42-month maximum qty. in Carrier Assemblies: 425,619 Ea
  - 42-month maximum qty. in Ballistic Insert Assy: 425,619 Ea
  - 42-month requirement in various components (Max 473,388 Ea)
- Target Solicitation Issuance Date: January 2022
- Point of Contract – Catherine Dillon & Maria Aguayo
**USMC Lightweight Plates**

- Detail Specification PRF-18001A0010, V1.5 dated June 2020
  - Areal Density Threshold 4.55 lbs./sq. ft.
  - Areal Density Objective 3.83 lbs./sq. ft.

- DLA Coordinating Supply Request Package (SRP) submittal and acceptance with USMC.

- Expected solicitation release date: January 2022 with target award date (TAD) of September 2022.

- Point of Contract – Catherine Dillon
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USMC ESAPI Sizes XS-Short and S-Short

- Firm Fixed Price, Fixed Quantity

  ESAPI X-small short: NSN 8470-01-668-8544 – Fixed Qty: 6,900
  ESAPI small short: NSN 8470-01-668-8547 – Fixed Qty: 6,900

- 100% Total Small Business Set Aside

- Best Value, Trade-Off with Passing Ballistic and Non-Ballistics as the sole technical evaluation factor.

- Target Solicitation Issue Date: December 2021

- Target Award Date September 2022

- POC: Kimberly Sabo & Maria Aguayo
Upcoming Opportunities

**USMC Pack System**

- Marine Corps Detailed Specification DL17001A0001
- Target Solicitation Issuance December 2021. Three (3) Year Indefinite Quantity Tiered Priced Quantities
- Unrestricted with 10% HubZone Price Evaluation Preference
- Best Value, Trade-Off with Product Demonstration Models as the sole technical evaluation factor.
- POC: Maria Aguayo
### Upcoming Opportunities

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<th>USMC Pack System</th>
<th>Hip Belt</th>
<th>Assault Pack</th>
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<td>USMC Sub Belt Medium</td>
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<td>Individual Repair Kit</td>
<td>Shoulder Harness to Frame Suspension</td>
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<td>Hydration Carrier</td>
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<td>USMC Sub Belt Small</td>
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<td><strong>Main Bag</strong></td>
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### Team POCs

#### Division Support
- **Maria Aguayo**, Contracting Officer  
  (215) 737-5701 maria.aguayo@dla.mil
- **Michelle Falkowski**, Contracting Officer  
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- **Catherine Dillon**, Contracting Officer  
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#### Individual Equipment IST
- **Jennifer Scarpello**, Chief/Contracting Officer  
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- **Theresa Gonzalez**, Acquisition Specialist  
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- **Kiaralis Velez**, Acquisition Specialist  
  (215) 737 – TBD Kiaralis@velezsantiago@dla.mil
Every Ounce Matters, Every Bullet Counts

Product Manager Soldier Protective Equipment (PM SPE)
Joint Advanced Planning Brief to Industry
Body Armor Session

LTC Stephen Miller
Product Manager Soldier Protective Equipment

Sarah Coleman
Deputy Product Manager Soldier Protective Equipment
Agenda

- Opening Remarks
- Mission, Vision, and Priorities
- Torso Extremity Protection (TEP) Product Overview
- Vital Torso Protection (VTP) Product Overview
Mission
To increase the Warfighter’s lethality and mobility by optimizing Soldier protection and effectively serving as the Lifecycle Manager for all personal protective equipment

Vision
To continuously improve Soldier Survivability by delivering the right equipment, to the right Soldier, at the right time

Principles
- User Driven
- Continuously Improved
- Supportable Cradle to Grave
- Timely
- Fiscally Responsible

Priority 1 – Deliver Capability
- Right Soldier, right time, right place
  - Support RFI
  - Support delta fieldings as required – e.g. 82nd, SFAB
  - Carry forward virtual operations lessons learned into routine practice
- Continue to work with Stakeholders to close the female armor gap
- Stakeholder relationships

Priority 2 – Personnel Care
- Build the team
  - Encourage team members to pursue professional development opportunities
  - Recognize, reward, and promote
  - Continuously improve operational environment for teammates– encourage maximum leave, minimize early/late meetings, share the load wherever possible

Priority 3 – Improve and Innovate
- Continuous collaboration
  - Pursue inter-service efforts
  - Support Industry and S&T partners
  - Seek and incorporate user feedback, both deliberately (HFEs) and though opportunity (Stakeholder engagement)
Body Armor Team
Product Manager Soldier Protective Equipment
Every Ounce Matters, Every Bullet Counts

APM: CPT Pierre-Zamora
Soldier Protection System (SPS)
• Initiating transition to sustainment of all TEP products in FY22
• Modular Scalable Vest (MSV) Gen II
  ▪ Army contracts 5 year base, +2, +2 option years
  ▪ Defense Logistics Agency Troop Support (DLA-TS) will purchase off the Army contracts until a sustainment contract is established
• Blast Pelvic Protector
  ▪ Transitioning directly to DLA-TS
• Ballistic Combat Shirt (BCS)
  ▪ Current Army Solicitation W91CRB-21-R-0002 – BCS
  ▪ Similar sustainment strategy as MSV Gen II
TEP and VTP Goals:

- Development of a light ballistic plate technology that matches or exceeds the current performance thresholds
- Establish production of hard and soft armor systems for small statured Soldiers
- Investigate improved soft armor material solutions aimed at increasing mobility, flexibility, and weight reduction

**Modular Scalable Vest (MSV) - unisex**
- System is modular enabling the operator to wear components together as a system or each component separately
- 8 Sizes: Extra Small Short (XS-S), Extra Small (XS), Small Short (SS), Small Long (SL), Small (S), Medium (M), Large (L), Extra Large (XL)
- Sized to fit virtually all Soldiers
- Customizable from a concealable carrier to full assault profile
- Accepts soft armor and Shooter Cut ballistic plates

**Ballistic Combat Shirt (BCS)**
- Provides ballistic fragmentation protection and flame resistant protection to the Soldier
- Multi-fabric design using three separate flame resistant cloths for the main outer garment construction; one for the deltoid, yoke, and collar, and two for the sleeve components
- There are five standard unisex and five standard female sizes (XS, SM, MED, LG, XL)

**Blast Pelvic Protector (BPP) - unisex**
- Six (6) core sizes (XS, SM, MD, LG, XL, XXL) available

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**Female/Small Stature Specific Adjustments**

**Female Ballistic Combat Shirt (FBCS)**
- Five (5) sizes for female Soldiers: XS, SM, MED, LG, XL
- Shorter arm lengths
- Hair bun cut-out in the back of the collar
- Flared sweep at hips and to prevent the shirt from riding up

**Modular Scalable Vest (MSV) - unisex**
- Three (3) expanded sizes for female and small statured Soldiers are Small-Long, Small-Short, and X-Small-Short (produced late in FY20)
- Two (2) expanded size plate carriers (6x6, 6x8) to accommodate female and small statured male Soldiers currently available
Vital Torso Protection (VTP)

- Estimated Army follow-on contracts in FY23-24
- Initiating transition to sustainment of select VTP products in FY22
Description: The VTP component of the SPS includes hard armor protection for the torso and sides with approximately 7% weight reduction of the plates that provide protection against 5.56mm and 7.62mm threats.

Capabilities: Provides multiple levels of protection based on mission profile and specific threats:

- The SPS VTP torso plates will achieve a 90% probability of no penetration (P(nP)) with a 90% confidence level on first shot, and a 70% P(nP) with a lower 90% confidence level on second shot.
- The SPS VTP torso plates will achieve a Back-Face Deformation (BFD) of 90% Upper Tolerance Limit (UTL) with 90% confidence level not exceeding 58.0 mm on the first shot and an 80% UTL with 90% confidence level not exceeding 58.0 mm on second shot.
- SPS VTP torso plates are designed to stop two shots with statistical significance and will meet these requirements against the primary operational threats identified.
- Adding three sizes (small-long, small-short, extra small-short) to accommodate a better fit on the small stature Soldiers.