



DLA
DEFENSE LOGISTICS AGENCY
Established 1961



The Nation's Combat Logistics Support Agency



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



Upcoming Opportunities

Modular Scalable Vest (MSV)

- Army developed Modular Scalable Vest, Generation II
- Detailed Specification AR/PD 15-03 Rev F, Amendment 3, dated May 3, 2021
 - 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



Upcoming Opportunities

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



Upcoming Opportunities

Size	Part Number	NSN	Annual Estimated Quantity	Maximum Quantity	1st Tier Price:	2nd Tier Price:	3rd Tier Price:
Extra-Small Short	LW-P-XSS	8470-01-678-6211	25	94			
Extra-Small	LW-P-XS	8470-01-678-6217	63	234			
Small-Short	LW-P-SS	8470-01-678-6220	63	234			
Small	LW-P-S	8470-01-678-6222	2,180	8,175			
Small-Long	LW-P-SL	8470-01-678-6223	63	234			
Medium	LW-P-M	8470-01-678-6225	63	234			
Large	LW-P-L	8470-01-678-6233	7,927	29,728			
Extra-Large	LW-P-XL	8470-01-678-6236	63	234			
		TOTAL:	10,447	39,167			
Size	Part Number	NSN	Annual Estimated Quantity	Maximum Quantity	1st Tier Price:	2nd Tier Price:	3rd Tier Price:
6x6	LW-SP-6X6	8470-01-678-6258	2,478	9,290			
6x8	LW-SP-6X8	8470-01-678-6268	9,910	37,163			
		TOTAL:	12,388	46,453			



Upcoming Opportunities

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

USMC Pack System			Hip Belt			Assault Pack		
Min 1,200	AEQ 15,000	Max 56,250	Min 0	AEQ 12,000	Max 45,000	Min 0	AEQ 7,080	Max 26,550
Sustainment Pouch			USMC Sub Belt Medium			Bite Valve		
Min 2,900	AEQ 11,60	Max 43,500	Min 3,900	AEQ 15,600	Max 58,500	Min 3,250	AEQ 13,000	Max 48,750
Sternum Cinch			Individual Repair Kit			Shoulder Harness to Frame Suspension		
Min 2,900	AEQ 13,000	Max 48,750	Min 0	AEQ 1,320	Max 4,950	Min 1,250	AEQ 5,000	Max 18,750
Hydration System Complete 8465-01-600-7962			Hydration Pouch			Hydration System Complete 8465-01-600-7956		
Min 1,250	AEQ 5,000	Max 18,750	Min 2,900	AEQ 11,600	Max 43,500	Min 0	AEQ 34,200	Max 128,250
USMC Pack Frame			Main Pack Field			Shoulder Harness 01-600-7938		
Min 7,500	AEQ 30,000	Max 112,500	Min 0	AEQ 10,000	Max 47,500	Min 4,800	AEQ 19,200	Max 72,000
Stiffner Back Panel			USMC Sub Belt Large			Hydration Carrier		
Min 0	AEQ 40	Max 150	Min 900	AEQ 3,600	Max 13,500	Min 0	AEQ 3,000	Max 11,250
Hydration Bladder			USMC Sub Belt Small			Tube Kit		
Min 0	AEQ 5,760	Max 21,600	Min 4,200	AEQ 16,800	Max 63,000	Min 0	AEQ 7,680	Max 28,800
						Main Bag		
						Min 0	AEQ 9,960	Max 37,350



Team POCs

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Product Manager
Soldier Protective Equipment

PRECISION
is the Standard

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

18 Nov 21
APPROVED FOR PUBLIC

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, Vision, and Priorities



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 through opportunity (Stakeholder engagement)



Body Armor Team



Program Executive Office Soldier
peosoldier.army.mil



Product Manager Soldier Protective Equipment
Every Ounce Matters, Every Bullet Counts

APM: CPT Pierre-Zamora



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Soldier Protection System (SPS)



SOLDIERS • FAMILIES • ARMY CIVILIANS

ARMY STRONG.



Torso Extremity Protection (TEP)

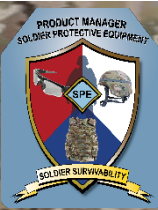


- Initiating transition to sustainment of all TEP products in FY22
- Modular Scalable Vest (MSV) Gen II
 - Army contracts 5 year base, +2, +2 option years
 - Defense Logistics Agency Troop Support (DLA-TS) will purchase off the Army contracts until a sustainment contract is established
- Blast Pelvic 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





Body Armor Torso Extremity Protection (TEP)



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 stature Soldiers
- Investigate improved soft armor material solutions aimed 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



Modular Scalable Vest (MSV)



Torso Extremity Protection (TEP)



Ballistic Combat Shirt (BCS)



Blast Pelvic Protector (BPP)

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



Female Ballistic Combat Shirt (FBCS)



Modular Scalable Vest (MSV)

- **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





Vital Torso Protection (VTP) Plate



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



VTP ESAPI



VTP XSAPI

The SPS VTP (front and back hard body armor plates) will provide the same or better ballistic protection than the current baseline suite of torso (ESAPI and X-SAPI) plates.



VTP ESBI



VTP XSBI

The SPS VTP (side hard body armor plates) will provide the same or better ballistic protection than the current baseline suite of (ESBI and XSBI) side plates.

