



DLA
DEFENSE LOGISTICS AGENCY
Established 1961



The Nation's Combat Logistics Support Agency

DLA Clothing & Textiles Body Armor & Loadbearing Equipment Items

Catherine Dillon
IST Chief, Individual Equipment
November 17, 2022



WARFIGHTER ALWAYS



Product Line Overview

Ground Troops Body Armor

- Soft Body Armor
 - USMC Plate Carrier (PC) Generation III
 - Modular Scalable Vest (MSV)
 - Ballistic Combat Shirt
- Hard Body Armor
 - Enhanced Small Arms Protective Inserts (ESAPI)
 - Enhanced Side Ballistic Inserts (ESBI)
 - USMC ESAPI and Lightweight Plates

Load Carrying Equipment

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

Miscellaneous Items

- Items: various bags, hammocks, canteens, trunks, and belts



Obligations

Fiscal Year 2022 Funding Actions

- Planned - \$204,090,999.00
- Actual - \$292,783,598.15

Fiscal Year 2023 Funding Action Plan

- Total Funding Action Plan - \$450,367,841.00



Open Procurements

- Rifleman's Set – SPE1C1-19-R-0021 – Closed – Target award date (TAD) December 2022
- USMC ESAPI – SPE1C1-22-R-0011 – Closed – TAD December 2022
- One (1) Quart Canteen* - SPE1C1-22-R-0125 – Closed – TAD January 2023
- Advanced Integrated Kneepad * – SPE1C1-22-R-0122– Closed – TAD March 2023
- USFS Field Pack* – SPE1C1-22-R-0132 – Closed – TAD March 2023
- Canteen Cup* - SPE1C1-23-R-0008 – Closed - TAD April 2023
- Waterproof Clothing – SPE1C1-22-R-0143 – Closed – TAD April 2023
- USMC Pack & Components – SPE1C1-22-R-0060 – Closed – TAD April 2023
- USMC Plate Carrier – SPE1C1-21-R-0049– Closed – TAD May 2023
- IFAK* – SPE1C1-22-R-0145– Closed – TAD June 2023
- Entrenching Tool Carrier* – SPE1C1-22-R-0155 & SPE1C1-22-R-0158 – Closed – TAD June 2023
- M4 Three Magazine Pouch* – SPE1C1-23-R-0001 – Closes November 21st – TAD June 2023
- Bandoleer Ammunition Pouch* – SPE1C1-22-R-0160 – Closes November 28th – TAD August 2023

**Indicates an item produced under the AbilityOne Program.*



Upcoming Opportunities

Bag, Flyer's Helmet

- Made in accordance with A-A-55112B dated December 6, 2021
- Solicitation: SPE1C1-22-R-0161 – Unrestricted solicitation – closing date extended indefinitely & will be re-established via an amendment once copies of the patterns are available
- Lowest price technically acceptable approach with PDMs
- Tiered priced contract with 36-month ordering period – each tier is 12 months
- Minimum quantity is 4,000 each, annual estimated quantity is 13,440 each, and maximum quantity is 52,320 each.
- Point of Contract – Catherine Dillon



Upcoming Opportunities

Shower Pail, Collapsible

- Made in accordance with A-A-55228
- Listed on the AbilityOne Procurement List & purchase exception was granted for this procurement only
- Solicitation: SPE1C1-23-R-0010
- Estimated issuance: November 2022
- Unrestricted with a 10% HUBZone price preference factor
- Price only evaluation factor
- Quantity: 3,600 each
- Points of Contract – Kiaralis Velez-Santiago & Jessica Reilly



Upcoming Opportunities

MOLLE Components

- Made in accordance with CO-PD-02-02 Revision N dated September 24, 2019 and PD-05-03C dated May 13, 2015
- Solicitation: SPE1C1-23-R-0003 – estimated issuance: November 2022
- Two (2) award lots:
 - Lot 1: unrestricted with a 10% HUBZone price evaluation factor
 - Lot 2: 100% HUBZone small business set aside
- Best value tradeoff procedures with PDMs & past performance
- Tiered priced contract with 36-month ordering period – each tier is 12 months
- These items are in Army's Retained Issue Program
- Points of Contract – Alex Salim and Maria Aguayo



Upcoming Opportunities

MOLLE Components – Items and Quantities

Lot 1 Quantities	Min. Qty	AEQ	Max. Qty	Monthly Capacity
Canteen/General Purpose Pouch	6,000	86,250	323,438	9,375
M4 Two Magazine Pouch	9,000	116,250	435,938	15,825
Assault Pack	6,000	78,750	295,313	9,375
Waist Pack	6,000	82,500	309,375	9,375
Lot 2 Quantities	Min. Qty	AEQ	Max. Qty	Monthly Capacity
Canteen/General Purpose Pouch	4,000	57,500	215,625	6,250
M4 Two Magazine Pouch	6,000	77,500	290,625	10,550
Assault Pack	4,000	52,500	196,875	6,250
Waist Pack	4,000	55,000	206,250	6,250

* The monthly capacity is the minimum the Government will require; however, if your company can exceed this quantity, please state so in your proposal.



Upcoming Opportunities

MOLLE 4000 and Components

- Made in accordance with CO-PD-02-02 Revision N dated September 24, 2019
- Solicitation number: TBD – estimated issuance: February 2023
- Multiple lots are planned and the number will be determined based on the results of market research
- Set asides will be decided after the completion of market research – mix of unrestricted lot with a 10% HUBZone price evaluation factor, 100% small business set aside, and/or 100% HUBZone small business set aside
- Best value tradeoff procedures with PDMs & past performance
- Tiered priced contract with 36-month ordering period – each tier is 12 months
- These items are in Army's Retained Issue Program
- Points of Contract – Michelle Falkowski and Maria Aguayo



Upcoming Opportunities

MOLLE 4000 and Components Quantities

Total Quantities	Min. Qty	AEQ	Max. Qty	Monthly Capacity
MOLLE 4000 Set	96,000	264,000	1,630,591	45,000
Waist Belt	5,000	20,000	75,000	1,667
Right Shoulder Strap	5,000	20,000	75,000	1,667
Left Shoulder Strap	5,000	20,000	75,000	1,667
Frame	5,000	20,000	75,000	1,667
Compression Strap	5,000	20,000	75,000	1,667

* The monthly capacity is the minimum the Government will require from all contracts combined. After the completion of market research, the monthly capacity per lot will be determined.



Upcoming Opportunities

USMC Deployment Bag

- Made in accordance with PD-20-01
- Solicitation: SPE1C1-23-R-0006 – estimated issuance: February 2023
- Set aside type will be determined by market research
- Lowest price technically acceptable with PDMs
- Tiered priced contract with 36-month ordering period – each tier is 12 months
- Minimum quantity is 9,000 each, annual estimated quantity is 36,000 each, and maximum quantity is 75,000 each.
- Points of Contract – Donald Albanese & Michelle Falkowski



Upcoming Opportunities

Large Rucksack and Components

- Made in accordance with purchase description YAGC 89-4A dated September 21, 2011
- Solicitation number: TBD – estimated issuance: February 2023
- The load lifter attachment straps & enhanced frame shoulder straps are mandatory sourced items under the AbilityOne Program and the awardee must purchase these items accordingly
- Set aside type will be determined by market research
- Best value tradeoff procedures with PDMs & past performance
- Tiered priced contract with 36-month ordering period – each tier is 12 months
- Points of Contact – Kimberly Sabo & Michelle Falkowski



Upcoming Opportunities

Large Rucksack and Components Quantities

	Min. Qty	AEQ	Max. Qty	Monthly Capacity*
MOLLE Large Field Pack Set	3,750	15,000	56,250	1,600
Rucksack, Large Field Pack	2,000	8,000	30,000	850
Sustainment Pouch	0	1,500	5,625	175
MOLLE Pack Frame	0	4,000	15,000	500
Molded Waist Belt	0	1,500	5,625	175
Buckle, Male, Shoulder Suspension	0	1,500	5,625	175
Large Ruck Flap	0	1,500	5,625	175

* The monthly capacity is the minimum the Government will require; however, if your company can exceed this quantity, please state so in your proposal.



Upcoming Opportunities

USMC Lightweight Plates

- Made in accordance with PRF-18001A0010, V1.5 dated June 2020
- DLA accepted USMC's supply request package in November 2022
- Solicitation number: TBD – estimated issuance: June 2023
- Set aside type will be determined by market research
- Best value tradeoff procedures
 - PDMs with passing ballistic and non-ballistic tests
 - Past performance – performance confidence assessment
- Tiered priced contract with 42-month ordering period - tier 1 is 18 months and tiers 2 and 3 are 12 months
- Minimum quantity will be first article samples, annual estimated quantity will be 12,388 plates and 12,388 side plates, and maximum quantity will be 46,455 plates and 46,455 side plates.
- Points of Contract – Kimberly Sabo & Maria Aguayo



Upcoming Opportunities

Modular Scalable Vest (MSV)

- Made in accordance with AR/PD 15-03 Revision G dated April 11, 2022
- Solicitation number: TBD – estimated issuance: June 2023
- Best value tradeoff procedures
 - Passing ballistic and non-ballistic tests
 - Product demonstration models
 - Past performance – performance confidence assessment.
- Multiple lots are planned and the number will be determined based on the results of market research
- Set asides will be decided after the completion of market research – mix of unrestricted lots with a 10% HUBZone price evaluation factor, 100% small business set asides, and 100% HUBZone small business set aside
- All lots will be tiered priced contracts with 42-month ordering period – tier 1 is 18 months and tiers 2 and 3 are 12 months
- These items will be in Army's Retained Issue Program
- Points of Contract – Maria Aguayo & Michelle Falkowski



Upcoming Opportunities

Modular Scalable Vest (MSV) Quantities

Total Quantities	AEQ	Max. Qty	Monthly Capacity
Carrier Assembly	734,760	918,450	20,410
Ballistic Insert Assembly	734,760	919,230	20,410
Front Tactical Carrier Vest	34,416	43,020	956
Back Tactical Carrier Vest	31,200	39,000	867
Front Concealable Vest	11,160	13,850	310
Back Concealable Vest	11,160	13,850	310
Sie Plate Carrier	96,228	120,285	2,673
Side Plate Pocket	92,952	116,190	2,582
Concealable Cummerbund	11,160	13,850	310
Shoulder Pad, Left	27,501	34,377	764
Shoulder Pad, Right	27,501	34,377	764
Shoulder Strap	11,160	13,850	310
Front/Back Ballistic Insert	42,219	52,773	1,173
Side Plate Pocket Ballistic Insert	90,201	112,752	2,505

* The monthly capacity is the minimum the Government will require from all contracts combined. After the completion of market research, the monthly capacity per lot will be determined.



Upcoming Opportunities

Ballistic Combat Shirts (Universal and Female)

- Made in accordance with AR/PD 15-06 Revision E & first time buy for DLA-TS
- Solicitation number: TBD – estimated issuance: June 2023
- Set aside type will be determined by market research
- Best value tradeoff procedures
 - Passing ballistic and non-ballistic tests
 - Product demonstration models
 - Past performance – performance confidence assessment.
- Tiered priced contract with 42-month ordering period - tier 1 is 18 months and tiers 2 and 3 are 12 months
- Minimum quantities: 58,000 base shirts assemblies & 40,010 deltoid assemblies / maximum quantities: 870,000 base shirt assemblies and 600,150 deltoid assemblies
- The Government will reserve the right to order any combination of universal or female items within these stated quantities
- Points of Contract – Alex Salim & Michelle Falkowski



Upcoming Opportunities

Blast Pelvic Protector

- Made in accordance with AR/PD 15-04 Revision D dated June 2019
- Army will supply request package for this item and it will be a first time buy for DLA-TS
- Solicitation number: TBD – estimated issuance: June 2023
- Set aside type will be determined by market research
- Best value tradeoff procedures
 - Product demonstration models
 - Past performance – performance confidence assessment.
- Tiered priced contract with 42-month ordering period - tier 1 is 18 months and tiers 2 and 3 are 12 months
- Point of Contract – Catherine Dillon



Team POCs

Individual Equipment IST

Catherine Dillon, Supervisory Integrated Acquisition Specialist/Contracting Officer

(215) 737-2497 / Catherine.Dillon@dla.mil

Donald Albanese, Acquisition Specialist

(215) 737-2418 / donald.albanese@dla.mil

Cassandra Rogers, Acquisition Specialist

(215) 737- 3012 / Cassandra.rogers@dla.mil

Kimberly Sabo, Acquisition Specialist

(215) 737-7006 / kimberly.sabo@dla.mil

Alex Salim, Acquisition Specialist

(215) 737-5112 / alex.salim@dla.mil

Ronald Thomas, Acquisition Specialist

(215) 737-2291 / Ronald.thomas@dla.mil

Kiaralis Velez-Santiago

215-737-TBD / kiaralis.velezsantiago@dla.mil

Division Support

Michael Medora, Division Chief

(215) 737-3274

michael.medora@dla.mil

Maria Aguayo, Contracting Officer

(215) 737-5701

maria.aguayo@dla.mil

Michelle Falkowski, Contracting Officer

(215) 737-5479

michelle.falkowski@dla.mil

Jessica Reilly, Contracting Officer

(215) 737-0879

jessica.reilly@dla.mil

CUI



Product Manager
Soldier Protective Equipment

PRECISION
is the Standard

Every Ounce Matters, Every Bullet Counts

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

Controlled by: PEO SOLDIER
CUI Category: OPSEC
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Limited Dissemination Control: FEDCON
POC: Neal Nguyen, 571-643-5261

LTC Stephen Miller
Product Manager
Soldier Protective Equipment

16-17 November 2022

CUI

Sarah Coleman
Deputy Product Manager
Soldier Protective Equipment



Office Location



PdM SPE New Address:

Product Manager Soldier Protective Equipment

**10125 Beach Road, Bldg 317
Fort Belvoir, VA 22060-5800**



Agenda



- **Opening Remarks**
- **Mission, Vision, and Priorities**
- **PdM SPE Organization Chart**
- **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

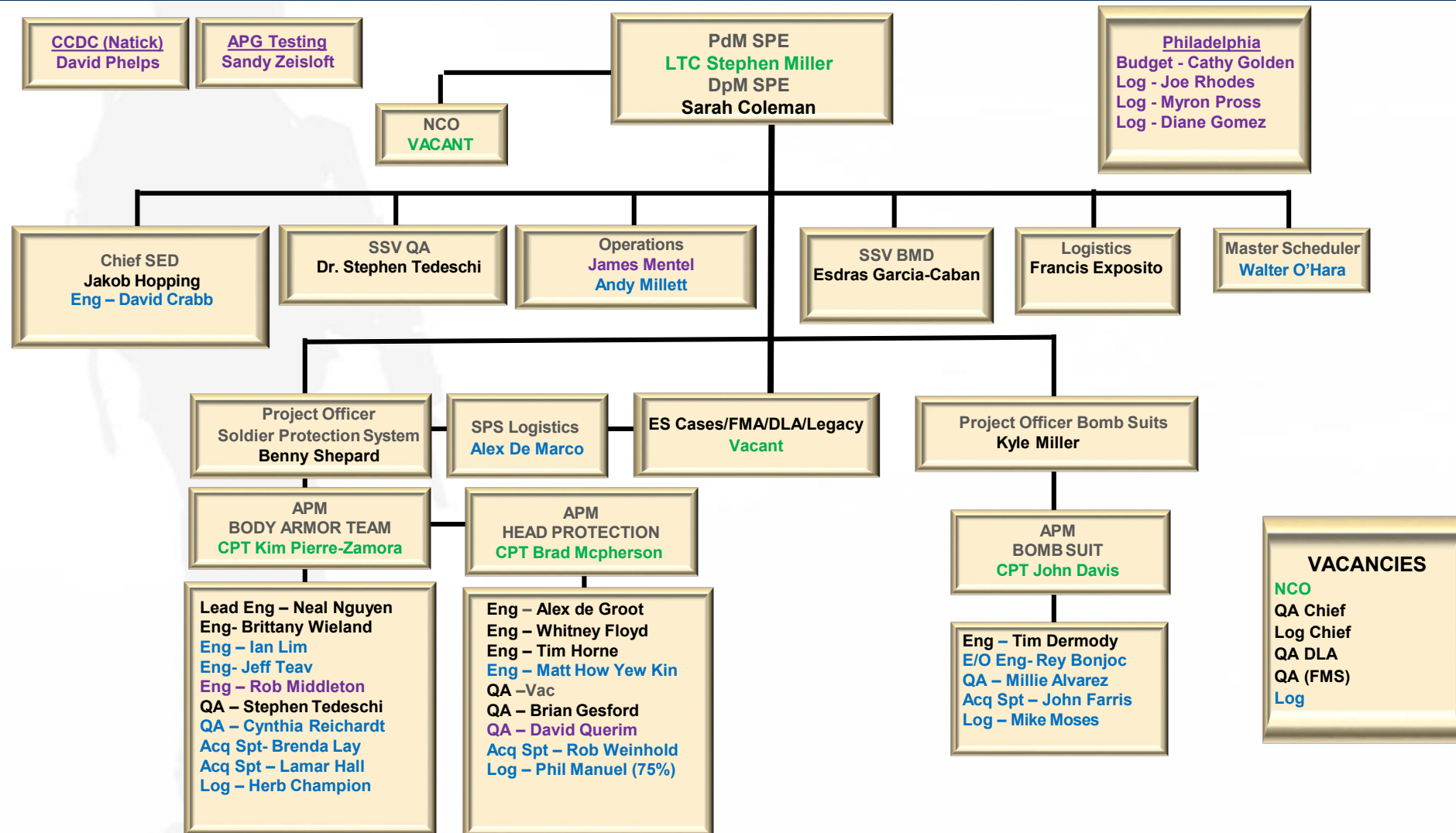
Priority 3 – Improve and Innovate

- 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)



PdM SPE Organization Chart

Last Update: 11/21/2022



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





Torso Extremity Protection (TEP)



- Initiating transition to sustainment of all TEP products in FY22
- Modular Scalable Vest Gen II
 - Five Army contracts, 5 year base, 2+2 option years
 - Defense Logistics Agency Troop Support (DLA-TS) is currently purchasing off the Army contracts till a sustainment contract is established
- Blast Pelvic Protector
 - Transitioning directly to DLA-TS for future sustainment
- Ballistic Combat Shirt
 - Army Solicitation W91CRB-21-R-0002 is Closed, Anticipate five awards 3QFY22
 - Similar sustainment strategy as Modular Saleable Vest (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)



- Solicitation: W91CRB-22-VTP-FRP-1 Sources Sought is Closed
- Estimated Army follow on contracts in FY24
- Initiating transition to sustainment of VTP products in FY22





Vital Torso Protection (VTP) Plate



Description: The VTP component of the Soldier Protection System (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.



Additional Information



- Areas of Concern:
- Adjusting costs for inflation
- Long lead time for materials
- Ceramic Powder shortages
- PFAS/PFO “Forever Chemicals” elimination



PdM SPE Points of Contact



LTC Stephen Miller
Product Manager, Solider Protective Equipment
(703) 704-9321
stephen.e.miller.mil@army.mil

Ms. Sarah Coleman
Deputy Product Manager, Solider Protective Equipment
(703) 704-0711
sarah.w.coleman.civ@army.mil

Team Chiefs

Mr. Jakob Hopping
Chief, Systems Engineering
Office (703) 704-4187
E-mail: jakob.a.hopping.civ@army.mil

Dr. Stephen Tedeschi
Chief, Quality Assurance
Office (703) 704-9326
E-mail: stephen.t.tedeschi.civ@army.mil

Mr. James Mentel
Chief, Operations & Plans
Office (703) 704-4672
E-mail: james.e.mentel.civ@army.mil

Project Officers

Mr. Benny Shepard
Project Officer
Body Armor
Office (703) 704-9476
E-mail: benny.j.shepard.civ@army.mil

Mr. Kyle Miller
Project Officer
Head Protection/Bomb Suit
Office (703) 704-1887
E-mail: kyle.h.miller.civ@army.mil

Body Armor Engineer

Mr. Neal Nguyen
Body Armor Lead Engineer
Office (703) 704-3976
E-mail: neal.l.nguyen.civ@army.mil

Assistant Product Managers

CPT Kim Pierre-Zamora
APM Body Armor
Office (703) 704-4318
E-mail: kim.t.pierre-zamora.mil@army.mil

CPT Brad McPherson
APM Head Protection
Office (703) 615-5706
E-mail: brad.m.mcpherson.mil@army.mil

CPT John Davis
APM Bomb Suit
Office (703) 414-9333
E-mail: john.h.davis.mil@army.mil



Questions?





**Project Manager
Soldier Survivability**

**PRECISION
is the Standard**

Every Ounce Matters, Every Bullet Counts

Product Manager Soldier Clothing and Individual Equipment (PdM SCIE) Joint Advanced Planning Brief to Industry *Load Carriage Session*

LTC Naim Lee
Product Manager, SCIE
naim.r.lee.mil@army.mil

16-17 November 2022

Mr. Warren Clare
Deputy Product Manager, SCIE
warren.c.clare.civ@army.mil

Overview



Modular Lightweight Load-Carrying Equipment (MOLLE) 4000 and MOLLE Medium Waterproof Liner

■ **Description:**

- Radio Frequency (RF) welded coated fabric with waterproof closure and air purge valve. Fabric is 400 denier, nylon scrim, 7.0 oz/yd sq, double coated

• **Current status:**

- Test items are currently being produced for 2023 test event

• **Future contracts:**

- FY 2024 could bring solicitation for production quantities. Small business set aside is anticipated



MOLLE Rifleman Set Changes



■ Description:

- The MOLLE Rifleman set (NSN: 8465-01-686-5578) currently consists of:
 - Advanced Tactical Assault Panel (A-TAP)
 - M4 two mag pouch
 - Grenade pouch
 - Canteen/General purpose pouch
 - M4 3-mag side x side pouch
 - E-tool carrier
 - Flashbang pouch
 - Six mag bandoleer
 - Waist pack
 - Assault pack
 - Hydration system
- **There will be changes in future solicitations to the design/configuration of the M4 two mag pouches, and grenade pouch**



MOLLE 4000 Frame Material



- **Additional Sources Sought for Resin**

- **Polymer Material Requirements:**

- 1) Injection Molded Thermoplastic
- 2) UV Stabilized
- 3) Impact Modified Polymer
- 4) Chemical Resistant to DEET, lube/oil/petroleum/gun cleaning solvents
- 5) Environmental Temperature Range: -40F to 160F
- 6) Specific Gravity NTE 1.25 (ASTM D 792), 1.21 (ASTM D 792)
- 7) Flex Modulus 1.2 mm/min, 50 mm span: 2290 MPa (ASTM D 790)- yes, 2290 MPa (ASTM D 790)
- 8) Tensile Strain, brk/Type I/50 mm/min (ASTM D 638): 145%- yes, 147% (ASTM D 638)
- 9) Must display ductile failure properties when pierced by a high-speed projectile without evidence of propagating fractures or fragmentation



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PdM SCIE Points of Contact



LTC Naim Lee

Product Manager, Solider Clothing and Individual Equipment
naim.r.lee.mil@army.mil

Mr. Warren Clare

Deputy Product Manager, Solider Clothing and Individual Equipment
warren.c.clare.civ@army.mil

Team Chiefs

Ms. Suzanna Horner
Chief, Systems Engineering
suzanne.horner2.civ@army.mil

Ms. Susan McLendon
Chief, Quality Assurance
susan.k.mclendon.civ@army.mil

Mr. Carl Hannah
Chief, Operations & Plans
carl.r.hannah.civ@army.mil

Project Officers

Patricia Gogats
Project Officer
patricia.h.gogats.civ@army.mil

Nathan Heslink
Project Officer
nathan.g.heslink.civ@army.mil

Load Carriage Engineer

Mr. John Kirk
Load Carriage Lead Engineer
john.kirk.civ@army.mil

Assistant Product Managers

Mr. Blaise Liess
Tactical Soldier Mobility
blaise.p.liess.civ@army.mil

Lester Smith
Combat Uniforms
lester.j.smith.civ@army.mil

CPT Ryan Ogden
Extreme Weather Clothing & Equipment
ryan.s.ogden.mil@army.mil

CPT Jonathon Waters
Personnel Airdrop
jonathon.m.waters.mil@army.mil



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