

DEFENSE LOGISTICS AGENCY

THE NATION'S COMBAT LOGISTICS SUPPORT AGENCY











DLA Troop Support
Clothing & Textiles
Individual Equipment IST
Load Bearing & Body Armor Brief

Mark Twardziak Chief, Individual Equipment







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Product Line Overview



Ground Troops Body Armor (Vests/Plates)

Load Bearing Equipment (Pack Systems, Lockers, Bags, Belts)

- -Over 800 items
 - Large Dollar Awards (Above \$10M) for Body Armor and Load Bearing
 - Low Dollar Awards (Below \$250K) for miscellaneous equipment items
- Sales Fiscal Year 2017 = \$156,249,967.69
- Sales Fiscal Year 2018 = \$168,693,574.00
 - Body Armor (FSC 8470) 62%
 - Load Bearing/Equipment (FSC 8465, 8460) 38%



Obligations



Fiscal Year 2018 Plan vs. Actual

- Planned \$123,138,600.00
- Actual \$159,713,968.00

Fiscal Year 2019 Plan

Planned \$124,470,107.00

Note: Dollars Includes Obligations Under All Contracts; Commercial Market, Ability One Program, Federal Prisons



Federal Prison Industries



Federal Prison Industries, Inc. (FPI) Schedule of Products

- FAR 8.002(a) Priorities for use of Mandatory Sources, Supply
- 1. Inventories of the requiring agency.
- 2. Excess from other agencies
- 3. Federal Prison Industries, Inc.
- 4. Supplies that are on the Procurement List maintained by the Committee for Purchase From People Who Are Blind or Severely Disabled
- 5. Wholesale supply sources, such as stock programs of the General Services Administration, **Defense Logistics Agency**, Department of Veterans Affairs, & military inventory control points.

•FAR 8.6 Acquisition from Federal Prison Industries, Inc. (FPI)

- ✓If the FPI item is comparable, purchase the item from FPI following the ordering procedures at http://www.unicor.gov, unless a waiver is obtained
- ✓ Individual Equipment (Ammunition Cases, Duty Belt, etc.) Federal Supply Class (FSC) 8465
- ✓ Armor Personal (helmets & Vests) Federal Supply Class (FSC) 8470

•DFAR 208.602-70 Acquisition of items for which FPI has a significant market share

- ✓ As of March 27, 2018 FPI does NOT have significant **market** share (>5%) for FSC 8465 & FSC 8470
- ✓Unless waiver is provided by FPI, a Market Comparability Study is employed to determine if FPI is comparable to the market and if so, will be awarded the planned contract (FAR 8.602(a)(3)
- •FAR 8.602(a) Policy Market Research Comparability in terms of price, quality, and time of delivery





Load Bearing Systems

- Modular Lightweight Load-carrying Equipment (MOLLE)
 - Rifleman's Set with Tactical Assault Pack
 - MOLLE Medium Rucksack Set
 - Improved MOLLE Medic Set (IMMS)
- USMC Pack System

Other Equipment Items

- Knee & Elbow Pads (KEPS)
- USMC Pack Liner/Stuff Sacks (Waterproof Bags)





MOLLE Rifleman Set with TAP & Related Components

- Purchase Description Revision K
- Market Survey Questionnaire issued 10/25/2018
- Unrestricted Solicitation Issuance TBD; Closes 30 Days After
- Single Award
 - Annual Estimated Quantity (AEQ) 80,000 Base Year
 - Two (2) Option Years; AEQ 40,000 each option year
- Best Value, Low Price Technically Acceptable Award Criteria
 - Product Demonstration Model (PDM)
- Mandatory Source
 - NIB; Hydration System & Bandoleer Pouch
 - Ammunition Bandoleer
 - NIB/Source America; Carrier Entrenching Tool
 - Source America; M4 Three Magazine Pouch
- Point of Contact Michelle Falkowski







MOLLE Medium Rucksack Set

- Purchase Description Revision K
- Market Survey Questionnaire issued 10/25/2018
- Total Small Business Set-Aside
- Solicitation Issuance TBD; Closes 30 Days After
- Single Award
 - Annual Estimated Quantity (AEQ) 13,570 each Base Year
 - Two (2) Option Years; AEQ 11,040 each option year
- Best Value, Low Price Technically Acceptable Award Criteria
 - Product Demonstration Model (PDM)
- Point of Contact Kimberly Sabo





USMC Pack System

- Market Survey Questionnaire issued 10/10/2018
- Unrestricted Solicitation / Issuance TBD; Closing 30 days After
- Best Value Low Price Technically Acceptable
 - Product Demonstration Model (PDM)
- Solicitation SPE1C1-19-R-0016
 - Issued TBD; Closes 30 Days After Issuance
- Fifteen (15) Contract Line Items:

USMC Pack System Sub Belt Small Tube Kit

Main Bag Sub Belt Medium Buckle Repair Kit

Assault Pack Sub Belt Large Panel, Stiffener Back

Assault Pouch Shoulder Harness Frame

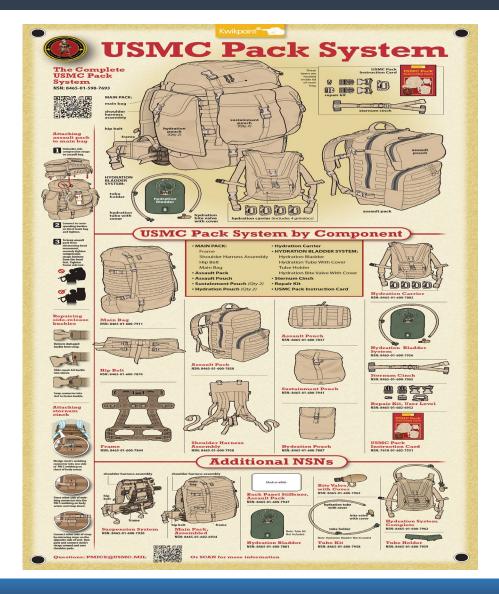
Hydration System Carrier, Hydration Bladder

Point of Contact Maria Aguayo













Improved MOLLE Medic Set (IMMS)

- Drawing Revisions submitted in October to Engineering Support Activity
- FPI Waiver/Market Survey Questionnaire Planned for December/January
- Set-Aside TBD (Last Procurement HUBZone Small Business Set-Aside)
- Award Criteria: Best Value Low Price Technically Acceptable
 - Product Demonstration Model (PDM)
- Indefinite Quantity Contract Type Planned
 - Base Year with Two (2) Option Years
 - Annual Estimated Quantity 3,216 each for each
- Point of Contact Kathy Logan







USMC Main Pack Liner/Assault Pack Liner

- Waterproof Bags Radio Frequency Sealed
- Market Survey Questionnaire Issued 11/05/2018
- Solicitation Issuance TBD; 45 days before Closing
- Unrestricted Solicitation for Two Separate Awards
 - Lot 1 is for the Main Pack Liner (AEQ 47,068 Base Year; 19,992 Option Years)
 - Lot 2 is for the Assault Pack Liner (AEQ 33,785 Base Year; 15,000 Option Years)
- Best Value Low Price Technically Acceptable
 - Product Demonstration Model (PDM)
- Point of Contact Jennifer Scarpello







Recent Procurement



Knee & Elbow Pads

- SPE1C1-18-R-0142 Solicitation closed 11/16/2018
- Small Business Set-Aside
- Base year and 2 Option Years
- Operational Camouflage Pattern & Coyote
- Best Value Low Price Technically Acceptable (LPTA)
 - Product Demonstration Model (PDM) Technical Factor
 - Estimated Award Date March, 2018







Questions



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Product Manager

Soldier Clothing and Individual Equipment

Load Carrying Equipment Update to Joint Advanced Planning Brief for Industry

29 November 2018

Dan Young, Acquisition Support Analyst Load Carriage



Army Modular Handgun Holster (MHH)



Where We Are:

- On 31 July 2018, a 5-year Indefinite Delivery/Indefinite Quantity (IDIQ) contract was awarded
- The maximum quantity for this contract is 246,275 holsters
- Material used: 1 ½" elastic webbing, acetal hardware and plastic resin

Where We Want To Go:

• Developing a Government design holster for sustainment requirements



Advanced Tactical Assault Panel (A-TAP)



Where We Are:

- The A-TAP is the new fighting load carrier for the Army.
- It is made of textured nylon, mesh, webbing, brass, and acetal hardware.
- In FY18, the A-TAP was tested with the Airborne community and conventional Infantry
- Test reports are complete

Where We Want To Go:

- Current design of the A-TAP will need to be slightly modified to allow for full compatibility with Modular Scalable Vest (MSV)
- Based on test report findings, modifications and retest may take place in FY19
- Procurement announcements are not expected until late FY19



MOLLE 4000 Rucksack



Where We Are:

- The MOLLE 4000 Rucksack replaces the MOLLE Large and Medium Rucksacks
- It is constructed of 1000d textured OCP nylon, coated and uncoated nylon fabric, solid and printed nylon webbing and cords, brass and acetal hardware, high-density polyethylene, closed cell foam and foam laminates, slide fasteners, hook and loop, snaps and eyelets and is mounted on an injection molded external frame

Where We Want To Go:

- Competitive contract(s) expected to be solicited in FY19 for up to 100,000
- Supply Request Package transition to DLA for RFI and sustainment



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)
 - Must display ductile failure properties when pierced by a high-speed projectile without evidence of propagating fractures or fragmentation







Ballistic Items

Hard Armor Items

Enhanced Small Arms Protective Inserts (ESAPI)

Soft Body Armor Items

Family of Concealable Body Armor (FoCBA)

Plate Carrier, Generation II

WARFIGHTER FIRST





Unique Procurement Requirements Ballistic Items

Personal Protective Equipment (PPE)

✓ 2017 National Defense Authorization Act (NDAA), Section 814 prohibits the use of reverse auction or low price technical acceptable source selection criteria

Critical Safety Item (CSI) Performance Specification

- ✓ Engineering Support Activity (ESA) Specifications & Quality Assurance
 - Army (PM SPE) all Hard Armor and FoCBA
 - Marines (PdM ICE) Plate Carrier
- ✓ Withholding of Material Review Board (MRB)
- ✓ Technical Data Package (TDP) "contractor's ballistic design"
- ✓ Subcontractor and Supplier Management Plan
- ✓ Production Process Package (PPP)
- ✓ Production Readiness Review (PRR) Audit
- ✓ First Article Testing & Lot Acceptance Testing Aberdeen Test Center





- ESAPI Solicitation SPE1C1-18-D-0033
- Solicitation Issuance 11/13/18; Closing 1/27/19
- Trade-Off Best Value Award Criteria
- Three (3) Separate Awards Planned
- Indefinite Quantity, Base Period with 2 Option Years
- Multi-Curved Torso Plate
- Five (5) Sizes; XS, S, M, L, XL
 - Lot 1 Unrestricted (All Sizes 220K Maximum each Period
 - Lot 2 Unrestricted (All Sizes 130K Maximum each Period
 - Lot 3 Total Small Business Set-Aside (Size M 48K Maximum each Period)
- Point of Contact Ryan Perna







Soft Armor Fiscal Year 2019 Procurement Plans

- Family of Cancelable Body Armor (FoCBA)
- Awaiting drawings from Engineering Support Activity
- New Market Comparability Study To Be Issued
- Planned for 3rd Quarter Fiscal Year 2019
- Indefinite Quantity, 4 Year Contract Pending
- Point of Contact Michelle Falkowski



WARFIGHTER FIRST





Soft Armor Fiscal Year 2019 Procurement Plans

- USMC Plate Carrier, Generation II (Legacy)
 - USMC in transition from Legacy to Generation III
 - 4th Quarter FY19 Estimated Transition Start Time
 - DLA not procuring Gen III at this time
- Market Survey sent 9/14/2018
 - Planned Procurement Canceled
 - Reduced Demand/Requirement due to Gen III
 - Point of Contact Catherine Dillon





Questions



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Soldier Protection System (SPS) Joint Advanced Planning Brief for Industry

28 - 29 November 2018

LTC Ginger L. Whitehead
Product Manager
Soldier Protective Equipment

Cary V. Ferguson
Deputy Product Manager
Soldier Protective Equipment



Mission





To increase the Warfighter's lethality and mobility by optimizing Soldier protection and effectively serving as the life cycle manager for all personal protective equipment.



SPE Areas of Responsibility

(As of 06 Nov 2018)





Helmet (ECH)

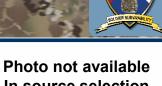


Crewman Helmet

(ACVCH)

Advanced Combat Vehicle

Advanced Combat Helmet GEN II (ACH GEN II)



In source selection **Advanced Bomb Suit** (ABS)

Generation II ABS (GEN II ABS)

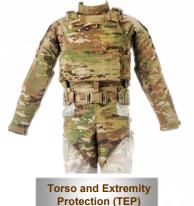




Integrated Head Protection System (IHPS)







Ballistic Combat Shirt (BCS)



Enhanced Small Arms Protective Insert (ESAPI) - VTP

Enhanced Side Ballistic

Insert

(ESBI) - VTP



X Small Arms **Protective Insert** (XSAPI) - VTP



Ballistic Battle Belt (B3)



Military Combat Eye Protection (MCEP)

Transition Combat Eye Protection (TCEP)







STRIKE FACE HANDLE WITH CARE

X Side **Ballistic Insert** (XSBI) - VTP



Blast Pelvic Protector

(BPP)

Ultra Low Visibility CBA



Family of Concealable Body Armor (FoCBA)









Soldier Protection System (SPS)



Description: The SPS integrates lighter hard armor plates, soft armor ballistics, pelvic protection, modular helmets, transition combat eyewear protection, and hearing protection. Each piece of equipment is designed to function and complement other parts of the system, yet function independently.

There are four major subsystems of SPS

- 1. Vital Torso Protection (VTP): The VTP system consists of hard armor torso and side plate inserts.
- 2. Integrated Head Protection System (IHPS): The IHPS consists of the helmet, maxillofacial shield, and night vision bracket.
- 3. Transition Combat Eyewear Protection (TCEP): TCEP consists of ballistic protective eyewear capable of transitioning from light to dark and dark to light in ~ one second or less.
- 4. Torso and Extremity Protection (TEP): The TEP system provides scalable, soft armor protection and consists of the Modular Scalable Vest, the Ballistic Combat Shirt, the Blast Pelvic Protector, and the Ballistic Battle Belt.

Integrated Head Protection System (IHPS)





Maxillofacial System

Vital Torso Protection (VTP)









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.





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.

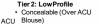
Torso and Extremity Protection (TEP)

(Concealable to Full Tactical Configurations)





Tier 1: Concealable



- Concealable (under ACU Blouse)
- Soft and Hard Armor Blouse)



Tier 3: Plate Carrier Tactical Carrier

- Soft and Hard Armor

Transition Combat Eyewear Protection (TCEP)





Anticipated Contract Actions



Product Manager Soldier Protective Equipment anticipates awarding contracts in FY19 or 1QFY20 to support the following products:

Ballistic Combat Shirt (BCS):

- Current Indefinite Deliveries Indefinite Quantities (IDIQ) contracts expire in 3QFY19
- Five (5) year IDIQ contract with multiple awards
- · Best Value

Ballistic Battle Belt(B3):

• TBD

Modular Scalable Vest (MSV):

- Current MSV IDIQ contracts expire in 4QFY19
- Potentially separate contracts for carrier and Small Arms Ballistic Inserts (SABI)
- Five (5) year IDIQ contract with multiple awards
- Best Value

Vital Torso Protection (VTP):

X – Threat Side Ballistic Insert (XSBI) variant solicitation active on FedBizOps

Next Generation Advanced Bomb Suit (NGABS):

Anticipate releasing an RFP in 2QFY19

AFLCMC... Providing the Warfighter's Edge



Joint Advanced Planning Briefing To Industry (JAPBI)

Mr. Christopher Tobin, USAF Aircrew Performance Body Wear PM

29Nov2018



Airsave Survival Vest



AFLCMC... Providing the Warfighter's Edge

System Description

PM: Capt Taylor Butler Lead Command: ACC

 A survival vest that is worn over the harness and provides modular Aircrew Flight Equipment

(AFE) compatibility and attachments points using MOLLE system



Program Schedule

Mar 17 Initial provisioning orders

Apr 17 Initial provisioning awarded

May 17 Supply Rqst Pkg to DLA

May 17 FRP initial provision samples

Jul 17 FRP materials approved

Jun 18 Initial Operational Capability

Aug – Dec 18 Remaining Initial Provisioning

Technical

- Compatible with all legacy AFE and survival equipment, especially chem/bio
- Provide a modular and scalable platform for various AFE configurations
- Provide several pockets to accommodate components/accessories
- Integrate with aircraft and controls

Program Status

AF INITIAL PROVISIONING

- Orders placed and deliveries initiated
- Some orders delayed due to FR material shortage but now running again
 - Holsters shipped
 - Vests shipping Nov-Dec 18

SUSTAINMENT

•DLA contract anticipated for supply sustainment availability in late FY19/20

FRP = Full Rate Production CAF = Combat Air Forces MAF = Mobility Air Forces



Integrated Aircrew Body







AFLCMC... Providing the Warfighter's Edge

System Description

PM: Capt Taylor Butler Lead MAJCOM: AMC

- Background: Legacy aircrew body armor systems were not sustainable and require units to purchase directly from the manufacturer
- Objective: Provide aircrew with a body armor system available through DLA and Aircrew Flight Equipment with a Tech Order to maintain the armor.

Program Schedule

- Apr 16 Lightweight Air Warrior System (LAWS)TDP Rcvd
- May 16 Army conducts First Article Tests (FAT)
- Sept 18 Verification of FAT completed (ballistics)
- Nov 18 Production Readiness Rvw (PRR) scheduled
- Nov-Dec 18 Lot Acceptance Testing
- Dec 18 Shipping begins

Technical

- Approved Air Warrior body armor vest
- New Lightweight Air Warrior System (LAWS) will be the future procurement effort
- iABA will provide protection against small arms fire and shrapnel
- Compatible with removable soft armor inserts and ESAPI or SPEAR hard plates
- Interchangeable design to allow for use alone, with survival gear, or with a floatation device

Program Status

- AF buying iABA quantities from Army LAWS contract
- Shipping docs with Finance and Logistics
- FAT testing was conducted for LAWS vest
- Waiting for Army official test report and PRR





USN/USMC Aircrew Systems Ballistics PPE Overview



27 November 2018

Presented to:

JAPBI

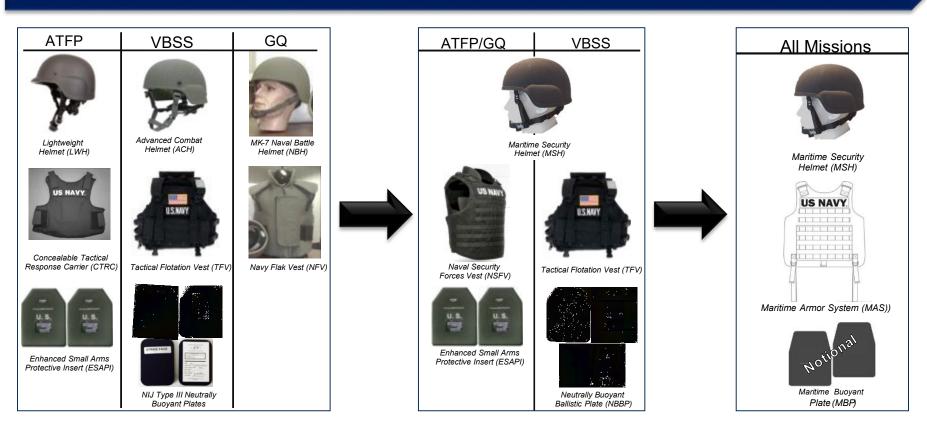
Presented by:





Ballistic PPE Roadmap

2007-2013 2014 - 2019 2020 - 2023

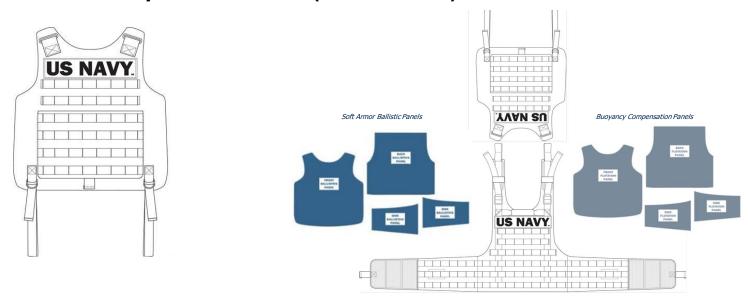


Increase survivability, standardize equipment, reduce footprint/sustainment cost



Maritime Armor System

- Two-size, highly adjustable solution to meet diverse shipboard sizing requirements.
- Inherent buoyancy to increase survivability (removable)
- Handgun and fragmentation protection
- Accepts ESAPI form plates
- NAVSEA PD
- RFP release anticipated Q2FY19 (NSWC PCD)





Maritime Buoyant Plate

- Positively buoyant plates which protect against low intensity rifle threats.
- ESAPI form
- NAVSEA PD
- RFP release anticipated Q2FY19 (NSWC PCD)



65



Submarine Buoyant Armor

Inherently buoyant armor system that:

- Provides sufficient buoyancy to "self-right" unconscious wearer with full load of force protection equipment
- Provides handgun/fragmentation protection in base vest
- Accepts hard armor plates to provide rifle protection
- Does not interfere with performance of force protection duties (e.g. weapon firing)
- Does not cause heat stress in a tropical environment

Solution will need to consider buoyancy in all materials

- Vest fabrics
- MOLLE pouches which offset weight of associated equipment
- Ballistic panels
- Ballistic plates
- Development approach pending

Unclassified 66