



Ballistic Helmets



DLA
DEFENSE LOGISTICS AGENCY
Established 1961



The Nation's Combat Logistics Support Agency

DLA Clothing & Textiles Ballistic Helmets

Jennifer Scarpello
IST Chief
Safety Gear Team
November 16, 2023





DLA C&T Mission

Provide world-class integrated logistics solutions for clothing, individual equipment and textile items to Warfighters and Emergency Responders in peace and in war, around the clock and around the world.





Product Line Overview

- Safety Team Stats

- Overall manage approx. 900 different items

- Items include:

- Ballistic Helmets and components (Retention Systems, Pad (Suspension) Systems, Covers)
 - Flyers Helmets and components (Visors, Chin Straps, ...)
 - Anti-G Garments
 - Anti-Exposure Garments

- Sales

- FY 23 - \$62.7M
 - FY 22 - \$66.2M
 - FY 21 - \$67.7M
 - FY 20 - \$82.0M





Open Procurements

- Advanced Combat Vehicle Crewman's Helmet (ACVC-H) Liner
 - Unrestricted Solicitation – Fixed Quantity (20,000 units)
 - SPE1C1-24-R-0011 Opens 11/6/2023 with a 30-day closing 12/6/2023
 - POC: Lisa Pizzo



Advanced Combat Vehicle Crewman
Helmet (ACVC-H)



Future Procurements

- Advanced Combat Vehicle Crewman's Helmet (ACVC-H)
- Unrestricted Solicitation – Indefinite Delivery, Indefinite Quantity (IDIQ) 4-Year Tier Contract
- Solicitation issue 3Q2024



Advanced Combat Vehicle Crewman
Helmet (ACVC-H)



Future Procurements

- Advanced Combat Helmet Generation II (ACH Gen II)
 - IDIQ Five (5) year tier contract; Projected Issuance of Solicitation 1Q2025
- Next Generation Integrated Helmet Protection System (NG - IHPS) Helmet
 - IDIQ Five (5) year tier Contract – Projected Issuance of Solicitation 2Q2025



Integrated Head Protection System (IHPS) with Face Shield



Advanced Combat Helmet (ACH)



Future Procurements

- Next Generation Integrated Helmet Protection System (NG - IHPS) Components
 - IDIQ Five (5) year tier Contracts – Projected Issuance of Solicitation 2Q2024 through 2Q2025
 - * Night Vision Bracket (IHPS & NG-IHPS)
 - * Rail Assembly
 - * Boltless Retention System – Ability One w/NIB
 - * Suspension System – Ability One w/NIB
 - * IHPS Cover – under contract w/NIB



Integrated Head Protection System (IHPS) with Face Shield



Soon to be Awarded

- Improved Retention System (IRS) for ACH
 - Mandatory Source w/ Ability One
 - IDIQ Three (3) Year Tier Contract – Target award 12/23
- IRS for Enhanced Combat Helmet (ECH)
 - Mandatory Source w/ Ability One
 - IDIQ Three (3) Year Tier Contract – Target award 12/23



Safety Team Points of Contact

- Michael Medora: Division Chief
 - michael.medora@dla.mil
 - 215-737-3274
- Jennifer Scarpello: IST Supervisor
 - Jennifer.scarpello@dla.mil
 - 215-737-3164
- Dan Price: Contracting Officer
 - daniel.price@dla.mil
 - 215-737-8101
- Contract Specialists:
 - Mara Cremen: mara.cremen@dla.mil 215-737-8094
 - Lisa Pizzo: lisa.pizzo@dla.mil 215-737-8076
 - Bob Rounay: robert.rounay@dla.mil 215-737-7123
 - Rabah Yisrael: rabahben.yisrael@dla.mil 215-737-0636
 - Natalie Wilson: Natalie.wilson@dla.mil





**GO
BIRDS!!!**

***Thank
You
for
Your
Support***





**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 *Head Protection Session*

LTC Kenneth Elgort
Product Manager
Soldier Protective Equipment

Controlled by: PEO Soldier
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POC: MAJ Matt Nulk, 703-223-1871

15-16 November 2023

Sarah Coleman
Deputy Product Manager¹³
Soldier Protective Equipment



Agenda



- **Mission, Vision, and Priorities**
- **Next Generation Integrated Head Protection System (NG IHPS)**
- **(NG) IHPS Mandible**
 - **Product Overview**
 - **Solicitation Timeline**
 - **Solicitation Requirements**
 - **Technical Requirements**
- **Suspension System Comfort**



Mission, Vision, and Priorities



Mission

To increase Warfighter lethality, survivability, and mobility by delivering cutting edge Soldier protective equipment

Vision

To continuously optimize Soldier protective equipment based on operational threats and deliver the right equipment, to the right Soldier, at the right time

Principles

- Understand user needs
- Have a plan/roadmap
- Be responsive
- Simplicity matters
- Data supported decisions
- Fiscally Responsible

Priority 1 – People & Networks

- Build the team internally and externally
- Balance workload
- Recognize, reward, and promote
- Build predictability into the workplace
- Work across PM lines / integrate early
- Nurture stakeholder relationships

Priority 2 – Deliver Capability

- Right Soldier, right time, right place
- Support fieldings and RFI
- Maintain industrial base
- Understand supply chain risks
- Pursue flexible contract options
- Stay current on operating environment and threats

Priority 3 – Improve & Innovate

- Continuous optimization
- Transparency with roadmap
- Track Industry and S&T advancements to better manage technology transition
- Seek and incorporate User feedback
- Pursue inter-service efforts and collaboration





Next Generation Integrated Head Protection System (NG IHPS)



Program Overview:

- NG IHPS will be transitioned to Defense Logistics Agency (DLA) for Sustainment
- Production contracts awarded under a Class Justification & Approval

Product Overview:

- Same design as the currently procured IHPS helmet with increased ballistic protection
- Compatible with the Product Manager, Soldier Maneuver Sensors (PdM SMS) universal Helmet Mount Assembly (uHMA)
- No-Hole design: retention system and NVD bracket mounted without the use of a through hole.
- All components backwards compatible with IHPS – except NVD Bracket





Mandible Product Overview



Design Overview:

- Removing Visor with Maneuver Capabilities Development and Integration Directorate (MCDID) Letter of Clarification
 - Lack of NVD compatibility- uses NVG Mount
 - Authorized Protective Eyewear List (APEL) Provides Eye Protection
- Continuing to produce Mandible
- Same design as the current IHPS mandible (attached using IHPS rails)
- Mandible consists of:
 - Two sizes compatible with (1) IHPS SM/MD/LG and (2) XL
 - Attaches to IHPS and NG IHPS Rails





Mandible Solicitation Overview



Timeline:

- 1QFY24: Request for Information (RFI) Published
- 3QFY24: Publish Mandible Full & Open (F&O) Contact Solicitation
- 4QFY24: Deadline for Industry Proposals
- 2QFY25: Contract Award (minimum First Article Test (FAT))
- 3QFY25: FAT samples due to Aberdeen Test Center (ATC)
- 4QFY25: First lot due to Defense Contract Management Agency (DCMA)

Solicitation Parameters:

- Vendors to provide test data from ATC as part of proposals
 - Mandible: 17-gr V₅₀, Blunt Impact, Area of Coverage
- Vendors to provide PDM samples to Program Office for evaluation as part of proposal
- Selection decision will be based on review of test data, PDM samples, and paper proposals (Quality Management Plans, Small Business Participation, Past Performance, and Price)



Mandible Technical Requirements (Summary)



Component	Requirement	Requirement Definition
Mandible	Weight	1.05 lbs (all sizes)
	Fragmentation (V_{50})	17-gr at 1,850 ft/sec (A, H, C, SW)
	Blunt Impact	15 g max at 5 ft/sec (A, H, C)
	Blunt Impact Deflection	1.0 inches max at 5 ft/sec (A, H, C)





Suspension System: Comfort Options to the Soldier



Program Overview:

- A suspension system that offers more options than current IHPS pads
 - Support comfort for differing head shapes with known safety performance
- PdM SPE will consider reducing current Blunt Impact requirements to support comfort
 - 10 ft/s is Threshold
 - 14.1 ft/s highly desired but not required (Objective)
 - Double impact reduced to single impact
 - Focus on banded environmental conditions
 - Human Factor Evaluations to measure comfort

Proposed Long-Term Path Forward:

- Qualified Products List (QPL) called List of Approved Pad Sets (LAPS)
- Similar to Authorized Protective Eyewear List (APEL)
- Soldier get a choice of pad set that has government approved safety rating
- Test Methodology and Lot Acceptance methodologies under development
- Government will share results of pad testing approach to support vendor development
- ATC testing
- Human Factors Evaluations