

FEDTEX

Individual and Unit Tactical Gear, Uniforms and Personal Protective Equipment

May 19-20, 2026 Raleigh, North Carolina

Hosted By
US Senator Thom Tillis
US Senator Ted Budd
North Carolina Military Business Center



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US Army Program & Opportunities

- Moderator: **TJ Gilroy**, Regional Program Manager (Sandhills), NC Military Business Center
- Natalie Pomerantz, Research Chemical Engineer, US Army Natick Soldier Research, Development, and Engineering Center



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U.S. ARMY



PdM SCIE – Army Needs and Priorities

Supporting Soldiers in all Operational Environments and Improve
Their Survivability, Protection, Mobility, and Sustainability

Dr. Natalie Pomerantz
Futures Engineering,
Product Manager Soldier Clothing & Individual
Equipment (PdM SCIE)

**Every Ounce Matters,
Every Bullet Counts**

May 20, 2026

Unclassified



Unclassified

Product Manager Soldier Clothing & Individual Equipment

Programs of Record Development / Initial Production & Fielding

Sustainment

Tactical & Environmental Clothing



Lower Cost 2-piece FR Uniforms

Army Combat Boot - Improved

Bite Protection Fabric Treatment

All Range Tactical Clothing (ARTC)

Handwear & Footwear



Cold Weather Glove System

Extreme Cold Weather Boots

Boot Gaiters

Arctic Mobility - Dismounted (AM-D)

Individual and Unit Equipment



NGSW Load Carriage

Cold Weather Canteen System

Welders Ensemble

Improved Ghillie Suit



Improved Ghillie System & Ghillie Suit Accessory Kit (GSAK)

Lightweight Performance Hood (LPH)

Fuel Handlers' Suit

Improved Combat Vehicle Crewman (iCVC) Ensemble

Advanced Aircrew Combat Uniform (A2CU)

Fire Resistant Environmental Ensemble

FR ACU

Advanced Combat Pant

Advanced Combat Shirt



Jungle Boot

Army Combat Gloves

Cold Weather Combat Boot

Boot Gaiter

Extreme Cold Weather Boot



MOLLE

Individual First Aid Kit II (IFAK II)

Modular Sleeping Bag Systems

Multi-purpose Personal Hydration System

Army Mountaineering Kit

Individual Water Treatment Device

Unclassified




Product Manager Soldier Clothing & Individual Equipment

Unclassified


Programs of Record Development /Initial Production & Fielding

Sustainment


Airdrop




Enhanced Electronic Automatic Activation Device



Parachutist Floatation Device



PARANAVSYS



Parachutist Emergency Release System



Parachutist Oxygen Mask



RA-1 Advanced RAM Air Parachute



T-11 Advanced Tactical Parachute System (ATAPS)



MC-6 Steerable ATPS



Advanced Emergency Bailout Parachute



Modular Airborne Weapons Case

Future Development


- Airdrop
- Combination Drops PARANAVSYS
 - Static Line Automatic Activation Device
 - Parachutist Oxygen Delivery System
 - Parachutist Environmental Kit
 - Small Unit Infiltration
 - Airborne malfunction automatic detection and notification

- Other Systems
- Continuously improve signature
 - Arctic Mobility – Dismounted
 - Cold Weather Contact Glove
 - Integrated Load Carriage System
 - Cold Weather Fuel Handler's Suit and Gloves
 - Joint Clothing Textile Modernization




Unclassified


Personal Clothing/ Army Uniform Board




Army Physical Fitness Uniform (APFU)




Advanced Combat Uniform (ACU) Unisex and Female Variants & Ancillary items



Improved Maternity Work Uniform



Improved Hot Weather Combat Uniform (IHWCU)



Army Green Service Uniform (AGSU)



Signature Management

FY26 Focus is Delivering Capability

- Small menu of items
 - Different operational scenarios and environments
 - Levels of concealment
- Incorporate thermal camouflage tactics and commercial advancements into institutional training
- Individual Multi-Spectral Concealment (IMSC) requirements document in approval process

IMSC RFI (Request for Information)

- **Should be live**

Ongoing SEP (Soldier Enhancement Program)

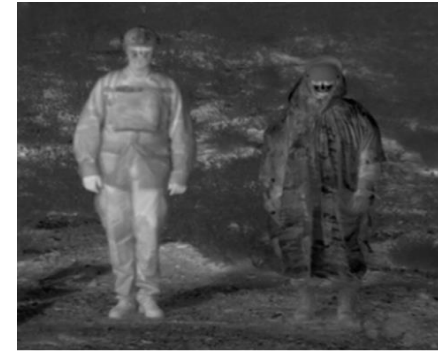
- Continuously improve materiel solution through iterative feedback
- Technology and configuration

Future

- Lower cost
- Combined thermal and radar, adaptive and/or active camouflage

POCs

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- Natalie Pomerantz Natalie.I.Pomerantz.civ@army.mil





Parachute Systems

Priority on acquiring lightweight fabrics

- Seeking initial implementation on T-11 Reserve (T-11R) canopy assembly
- Seeking lightweight alternative for PIA-C-44378, Type IV with comparable performance characteristics

RFI: Domestic Sources for Zero-Porosity, High-Performance Coated Parachute Cloth

- Published Apr 28, **Inactive May 27**
- <https://sam.gov/workspace/contract/opp/4300af0dcb5d4438bb98b9df158422ce/view>
- Product Service Code: 1670
- Base fabric must conform to PIA-C-44378, Type IV
- Zero air permeability (0 CFM maximum per ASTM D737)
- Specific breaking, tear, and elongation strengths
- A proprietary-equivalent high-performance silicone formulation applied equally to both sides (non-PFAS)

POCs

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- Justin Silvia, justin.j.silvia.civ@army.mil





Joint Clothing and Textile Modernization Initiative (JCTMI)

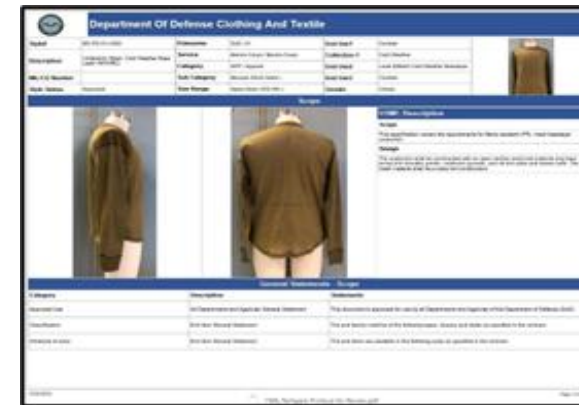
Moving forward: All new items will use Product Lifecycle Management (PLM) and Apparel Tech Packs (ATPs), legacy items will transition over time

- Reduced barriers to enter for new vendors
- Increased accessibility and searchability, real time data analytics
- Increased communication, transparency & visibility

Ecosystem

- Singular Platform
- Modular Integration
- Real Time Analytics
- Life Cycle Management

Item ID	Name	Color	Size	Status
101	101	101	101	101
102	102	102	102	102
103	103	103	103	103
104	104	104	104	104
105	105	105	105	105
106	106	106	106	106
107	107	107	107	107
108	108	108	108	108
109	109	109	109	109
110	110	110	110	110



POC

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Combat Uniforms

Individual Jungle Ensemble (IJE)

- **Comprehensive uniform system consisting of:**
 - Proposed draft IJE requirement addresses extreme heat, humidity, moisture, vector protection and puncture resistant footwear
 - Jungle-specific tactical boots with enhanced traction and drainage
 - Moisture-wicking combat top with ventilation features
 - Lightweight, quick-dry combat pants with reinforced areas



IHWCU will utilize approved JFADE material

- **Timeline:** Expected Q4 FY26

FY27: Lightweight Patrol Cap

- Improved moisture management
- Pending Army Uniform Board
- Possibly an MCP (Material Change Proposal)



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Flame Resistance Strategy

Rethinking FR protection in the new threat environment

FY26

- Characterizing the threat: UAV delivered explosives, incendiaries and thermobaric weapons, burn type and survivability
- Low-cost FR program (market research/T&E)

FY27/FY28

- Correlate threat to test methods
- Re-evaluate user requirements (time, temperature, type of exposure)
- Work with industry on threat-relevant test methodology

FY29

- Transition to new FR materials
- New FR programs of record

POCs

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Back-up Slides



All Range Tactical Clothing – Projected Program Schedule

Unclassified

	FY24	FY25				FY26				FY27				FY28				FY29				FY30			
	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Major Events / Milestones	▲ MD D				▲ MS-C/ LRIP	▲ SRP	▲ TC-STD	▲ FRP		▲ FUE	▲ IOC							▲ EDOS							▲ FOC (2QFY31)
Contracting		★ CC Buy COTS/GOTS				★ M&D/OTA				★ IDIQ				★ IDIQ DO				★ IDIQ DO							
Deliveries						→ LRIP				→ FRP															
Testing		▲ Operational Assessment / Design Validation			▲ CW Chamber Testing																				

Unclassified



Cold Weather Glove System (CWGS)



Intermediate Cold Weather Glove



Prototype Contact Glove (LUE)



ECW Mitten Shell



TF Mitten Shell



Mitten Liner

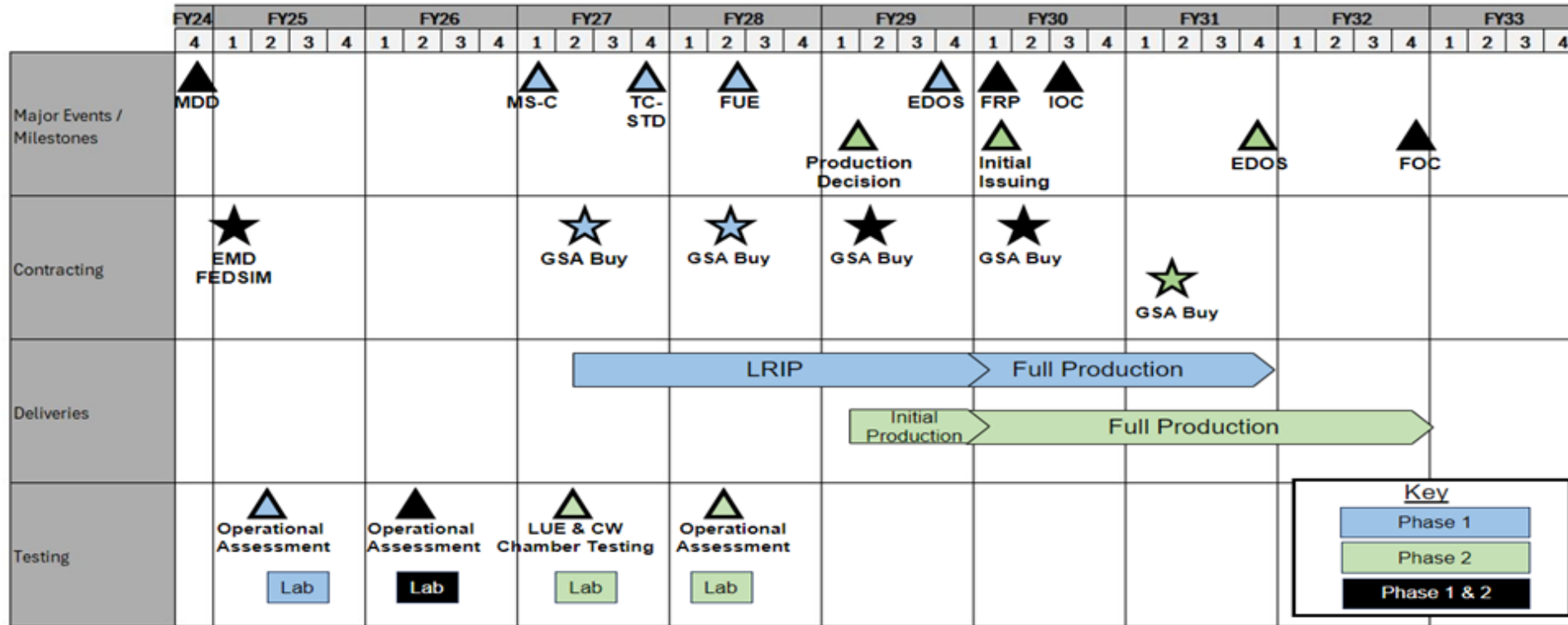


Handwarmer

- The CWGS will be a scalable hand wear system that will be worn based on a range of temperatures and mission tasks
- The system will allow Soldiers to perform tasks (dexterity and tactility) and provide touch sensor capability in temperature ranges of +40°F to -60°F
- Procuring a handwarmer/ contact glove combination for high dexterity and environmental protection
 - Handwarmer design is complete and in production
 - Contact Glove being tested by Soldier this winter



Arctic Mobility – Dismounted Projected Schedule





Arctic Mobility – Dismounted (AMD)

AM-D (Core Set)



AM-D (Ski Set)



Note: Commercial off the Shelf equipment shown is for illustration purposes only

Path to AM-D

- Units purchase ski and bindings with unit funds resulting no standardization or central sustainment.
- The Extreme Cold Weather Boot (ECWB) Vapor Barrier Boot has been the Army's extreme cold weather boot since 1978.

AM-D Modernization

- The new requirement describes a standardized, integrated, centrally sustained over-the-snow mobility ensemble.
- Full integration with the ECWB, ski and snowshoe bindings, clothing systems, and boot gaiters.
- SCIE is testing prototype boots in combination with commercial skis, bindings, and snowshoes throughout March in AK



All-Range Tactical Clothing (ARTC)



ARTC

Path to ARTC

- The Combat Capabilities Development Command (DEVCOM) Soldier Center's S&T effort began user evaluation in 2019 to inform the ECWCS Gen III replacement
- Modern technology improves moisture management, thermal protection, and provides no-melt/no-drip next-to-skin protection
- In 2022, the Army Futures Command (AFC) issued a directed requirement for an additional large scale user evaluation of CTAPS that outfitted two Brigades in the 11th Airborne Division.
- Army requirement validated and program initiated in 2024
- Base layer configuration finalized in 2025
- Program Low-rate production orders for ~4,000 sets will be placed this year
 - Other Transaction Authority (OTA) for outer layers expected this month
 - Delivery Order on USMC contract for mesh layer
 - AbilityOne contract to support production of for remaining base layers

CPE Ground Online



PEO Soldier Website

peosoldier.army.mil

PEO Soldier Blog

peosoldier.armylive.dodlive.mil



Instagram

Instagram.com/peosoldier



LinkedIn

linkedin.com/Program Executive Office Soldier



Facebook

facebook.com/peosoldier



Twitter

twitter.com/peosoldier





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