

Program Manager Infantry Combat Equipment JAPBI

5 November 2020

Mission.

Field individual equipment to Marines enabling them to accomplish their mission in every clime and place.

Vision.

To deliver the most capable equipment, at the right time, to provide the Marine an advantage over the enemy in combat effectiveness and lethality.

Objectives.

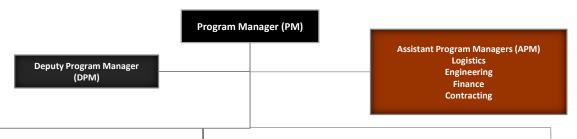
- 1. Lighten the burden on the Marine. Reduce the load and logistics footprint.
- 2. Integration of equipment across the PM/PfM, MCSC, and other services.
- 3. Cross coordination across IPTs and program schedules to support fielding at the right time to the right unit.
- 4. Design and acquire the right products for a better form, fit, and function for the 2% female Marines to the 98% male Marine.



MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES

PM ICE Organization



TL Clothing and Equipment

Uniform Certification

Marine Corps Combat Utility Uniform (MCCUU)

Marine Corps Combat Boots

Female Dress Blue Coat

USMC Frame and Cap

Tropical Uniform & Boot

Enhanced Flame Resistant Combat Equipment (EFRCE)

Fire Resistant Organizational Gear (FROG)

Knee & Elbow pads

Cold Weather Hydration Set (CWHS)

Collapsible Water Bag (CWB)

E-Tool w/Carrier

Marine Assault Climbers Kit (MACK)

Marine Corps Cold Weather Infantry Kit (MCCWIK)

Marine Corps Modular Snowshoes (MCMS)

Marine Corps Utility Cutter (MCUC)

Marine Corps Wire Cutter (MCWC)

Mechanical Breachers Kit (MBK)

Multi-Faith Chaplains Kit (MFCK)

M9 Multipurpose Bayonet

Multipurpose Compact Attachable Light (MCAL)

Small Unit Expeditionary Stoves (SUES)

Ultra High Intensity Miniature Illumination System

Military Ski System (MSS)

3 Season Sleep System (3S) Improved Sleeping Mat (ISM)

Enhanced Bed Net System (EBNS)

Extreme Cold Weather Bag (ExCWB)

All Purpose Environmental Clothing System (APECS)

Hard Face Microfleece Coyote Cap

Extreme Cold Weather Mitten System

Extreme Cold Weather Suit (Parka, Trousers and Bootie)

Lightweight Flame Resistant Cold Weather Undershirt and Drawers

Lightweight Exposure Suit (LES)

Snow Camouflage Parka, Trousers, and Pack Cover

Mid-weight Flame Resistant Cold Weather Pullover Shirt and Drawers

Combat Desert Jacket (CDJ)

Intermediate Cold Weather Glove (ICWG)

TL Air & Amphibious Systems

Air Supply Rack Assembly (ASRA)

Combat Diver Dry Suite (CDDS) Combat Diver Full Face Mask (CDFFM)

Underwater Voice Comm (UVC) Combatant Diver Vest (CDV)

Combat Rubber Raiding Craft (CRRC)

Diver Propulsion Device (DPD)

Enhanced Diver Propulsion Device (E-DPD) (Pre-ACAT)

Expeditionary Hyperbolic Chamber System (EHCS)

Marine Assault Breacher Kit (MABK)

Marine Individual Assault Kit (MIAK)

Maritime Operations Suite (MOS)

Non-gasoline Burning Outboard Engine (NBOE)

Open Water Safety Craft (OWSC)

Portable Compressor Diesel Driven (PCDD)

Rapid Deployable Oxygen Transfer Pump system (RDOTPS)

Transportable Recompression Chamber System (TRCS)

MK-25 Underwater Breathing Apparatus (UBA)

Aircraft Rigging Kit

Container Delivery System (CDS)

Cybernetic Parachute Release System (CYPRES)

Enhanced-Multi-Mission Parachute System (E-MMPS) (AAP)

Heavy Equipment Air Delivery System (HEADS)

High Altitude High Opening (HAHO) Parachutist Navigation System

(PNS)

Joint Parachute Airborne Delivery System (JPADS) 10K

JPADS 2K-M/ULW

Loft Sets

Multi-Mission Parachute System (MMPS)

Parachute High Altitude Oxygen System (PHAOS)

Parachutist Individual Equipment Kit (PIEK)

Personnel Parachute Systems

Maneuverable Canopy 6 (MC-6) (AAP)

Maneuverable Canopy (MC-7)

Recon Modular Helmet Kit (RMHK)

Tandem Offset Re-supply Delivery System (TORDS)

G-11 & G-12 Cargo Parachutes

TL Individual Armor

Enhanced Combat Helmet (ECH) (ACAT IV)

Enhanced Combat Vehicle Crewman's Helmet (ECVCH)

Enhanced Side Armor Plate Insert (ESAPI)

Full Spectrum Battle Equipment (FSBE) Individual Kit

Improved Modular Tactical Vest (IMTV)

Improved Load Bearing Equipment (ILBE) Pouches

Lightweight Helmet (LWH)

Modular Integrated Comm Helmet (MICH)

Plate Carrier (PC) Generation III (PC Gen III)

Protective Outer Garment (POG)

Protective Under Garment (PUG)

USMC Chest Rig

USMC Holster

USMC Pack (Adjustable frame & Reinforced frame)

USMC Sub-Belt

Improved Ballistic Eyewear (IBE)

Ballistic Hearing Protection/Enhancement

Areas Where Industry Can Help

- ► Lighter and more flexible body armor and plates
- Improved suspension system for helmets
- Individual load bearing technologies for dismounted infantry
- Hearing protection / enhancement
- Flame resistant fabrics
- SWIR mitigation



MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES

Cold Weather Clothing

CWC Layers:

- □ Product improvements to Level 1 and 2 to improve wicking/moisture transport and drying time
 - Explore mesh underwear for level 1.
 - Explore wool or synthetic for level 2.
- □ Product improvement to Level 3Windpro Fleece for sustainability
 - Improved level 3 that improves moisture transport (wicking), dry time, and insulation – wool or synthetic
- ☐ Level 4 soft shell uniform (with US Army)
 - Quick dry from sweat and precipitation
 - Use in a wet-cold environment.
 - More breathable than APECS
 - Reduces sweat build up and condensation inside the garment.

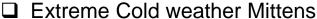


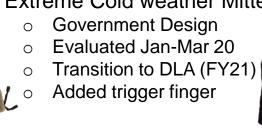
Handwear

Intermediate Cold Weather Glove



- Government Design
 Evaluated Jan-Mar 20
- Transition to DLA (FY21)
 - Army interest





Headwear



Balaclava - open face balaclava design to improve drying time, warmth, and wind protection



ECW Cap - capability gap of an insulated, wind resistant, and highly water resistant headwear item

MARINE CORPS SYSTEMS COMMAND Equipping our MARINES

Physical Training Uniform

Key Milestones

Event	Date
Release Request for Proposal	1QFY21
Contract Award/Delivery Order 1	2QFY21
Receive prototypes	3QFY21
Testing / Limited User Evaluation (LUE)	4QFY21
Finalize design specification based on Testing and LUE results	4QFY21
Award Delivery Order 2	4QFY21
Authorized possession date - MCRDs receive PTUs for issue	2QFY22
Available for Marine purchase at MCX	3QFY22
USMC Mandatory Possession date	1 Oct 23



- The PTU is a stand-alone uniform that replaces the current GP trunks and OD synthetic undershirt in order to provide performance fabrics capabilities.
- Updated design and appearance for a more athletic fit.
- PTU will include one physical training (PT) short and one PT shirt.
- Gender neutral, Non-Developmental Item
- Performance fabrics that are: fast-drying, anti-microbial, moisture-wicking
- Reflectivity attributes
- · Garrison use only.

Title	Opportunity
Topic : Physical Training Uniform (PTU) Description of need : New functional, high-performance fabric PTU that is comfortable, moisture wicking, antimicrobial, and reflective.	RFP – Nov 2020
Topic : Enhanced Combat Rubber Reconnaissance Craft (E-CRRC) Description of need : Replacement for the legacy CRRC with the same mission set and increased capabilities.	RFP – Nov 2020
Topic : Next-Generation Pack Description of need : RDT&E effort to explore new pack and load-carrying equipment to fit the 2nd percentile female to 98th percentile male Marine.	TBD

Questions?

