

# Program Manager, Infantry Combat Equipment



# BATTLEBOOK

Authorized publication from the  
ICE Program Office within  
Marine Corps Systems Command





UNITED STATES MARINE CORPS  
PROGRAM MANAGER  
INFANTRY COMBAT EQUIPMENT (ICE)  
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Leading a Program Management Office like ours is in many ways like leading a Battalion, Squadron, Training, or Supporting Command. We need to maintain a common vision and work as a team so that we can equip Marines with the tools necessary to succeed in battle.

I would like to share some of my command philosophy. This will ensure that we develop a common understanding of some fundamental principles that I believe are necessary for the continued success of our team. These are by no means inclusive but should serve to convey my focus and intent and will for the framework and direction for all that we do.

**My vision** is to achieve and maintain innovative systems acquisition and effective sustainment of Infantry Combat Equipment for U.S. Marines.

**Never forget** that our primary reason for being here is to support Marines.

**Joint Coordination is essential.** We will maintain situational awareness of our fellow service partners' efforts and prepare to leverage the successes observed.

**Have fun** in what we do and take pride in the services/products we provide.

Semper Fidelis.

A handwritten signature in black ink, appearing to read "A.J. Pasagian", is located below the "Semper Fidelis." text.

A.J. PASAGIAN

Lieutenant Colonel, USMC



## MISSION STATEMENT

Program Manager Infantry Combat Equipment (PM ICE) is the total life cycle manager for all Marine Infantry Combat Equipment and is responsible for developing, fielding and sustainment of ICE to enhance the performance, capability, survivability and mobility of Marines.

The **ARMOR & LOAD BEARING TEAM** is responsible for providing timely, high quality individual ballistic protection and load bearing equipment to enhance current and future Marine Corps readiness.

The **SUPPORT EQUIPMENT TEAM** is responsible for providing timely, high quality general support equipment to enhance current and future Marine Corps readiness.

The **COMBAT & DRESS CLOTHING TEAM** is responsible for providing timely, high quality clothing to enhance current and future Marine Corps readiness.

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## Scalable Plate Carrier



### **OVERVIEW**

III MEF submitted an USON for an ESAPI Plate carrier to provide a direct threat capability that would allow greater mobility, with reduced thermal stress in high elevations, thick vegetation and tropical environments than that provided by the issue OTV/ MTV. The requirement has been increased to support an additional MEU with both I & II MEF and the armored vehicle community.

### **FEATURES**

- 1) Reduced fragmentation protection
- 2) Reduced weight & thermal burden
- 3) Retention of direct fire protection
- 4) Integrates with MTV components

### **FIELDING AND LOGISTICS**

A/O: 9,483  
ID No.: 11408

TAMCN: C00612E  
LEAD NSN: 8470-01-562-7210

### **PRODUCTION**

Currently in production with estimated completion of fielding during Oct 08.

### **MANUALS**

A commercial Use & Care Manual was provided with fielded SPC.

## Modular Tactical Vest (MTV)



### **OVERVIEW**

The MTV, developed in the late 1990's, was not designed, but was being used for carrying equipment and items during ground combat operations. The MTV was developed in response to an UUNS to meet shortfalls identified by the Operating Forces in the OTV.

### **FEATURES**

MTV improvements when compared to the OTV include:

- 1) Increased capability:
  - Quick release for emergency egress and medical access.
  - Increased lower back and kidney area protection.
- 2) Improved integration:
  - Side Small Arms Protective Insert carrier.
  - Channels for communication wiring/cables.
- 3) Design improvements:
  - Improved closures.
  - Rifle bolster to improve the stock well.

### **FIELDING AND LOGISTICS**

A/O: 84,000  
ID No.: 11408A

TAMCN: C00592E  
LEAD NSN: 8470-01-547-5919

### **PRODUCTION**

Protective Products International of Sunrise, FL.

### **MANUALS**

MTV Commercial Users Guide

<http://www.mtvarmor.com>



## Outer Tactical Vest (OTV)



### OVERVIEW

The OTV is a protective vest worn over clothing for protection against fragmentation and 9mm handgun only. When the OTV is worn with ESAPI plates, the level of protection is upgraded to “specific” 5.56/7.62mm rifle threats.

### FEATURES

- 1) Vest design:
  - Front open vest.
  - Web straps to allow attachment of other modular load carriage items.
- 2) Armor (all removable):
  - Yoke & Collar, throat and groin protectors.
  - Soft armor panels.
  - ESAPI plates and Side SAPI carriers and plates.
  - Integrates with QuadGard and Armor Protection Enhancement System (APES).

### FIELDING AND LOGISTICS

A/O: 198,088  
ID No.: 10647A

TAMCN: C34942F  
LEAD NSN: 8470-01-465-1863

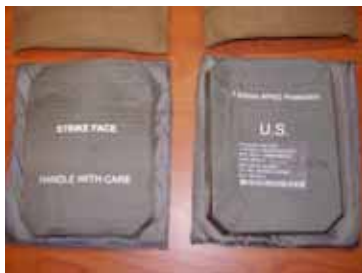
### PRODUCTION

Repair and replenishment of the OTV and components is provided by the Defense Logistics Agency (Source of Supply Code-SMS).

### MANUALS

ULSS 001504-15 PCN: 13210647000  
<https://pubs.ala.usmc.mil/pubs/13210647000.pdf>  
 Commercial Interceptor Care & Use Manual PCN: 50010647000  
<https://pubs.ala.usmc.mil/pubs/50010647000.pdf>

## Enhanced Small Arms Protective Insert (E-SAPI)



### OVERVIEW

Enhanced Small Arms Protective Inserts are composite plates worn with and inside the OTV or MTV that defeat rifle fired 5.56mm and 7.62mm rounds.

### FEATURES

- Consists of a ceramic composite outer strike face with laminated composite backing and covered with a rubber, plastic, or nylon cover.
- It can be removed from the OTV/MTV, which allows Commanders to increase/decrease protection based on the threat.
- Contoured to fit the individual, plates are interchangeable between the front and back of the OTV or MTV.
- Covers a Marine's vital organs. Can withstand multiple hits.

### FIELDING AND LOGISTICS

A/O: 340,942  
ID No.: 10913A

TAMCN: C30202E  
LEAD NSN: 8470-01-520-7360

### PRODUCTION

ArmorWorks, Tempe, AZ.  
Ceradyne, Costa Mesa, CA.  
Simula, Phoenix, AZ.

### MANUALS

ULSS 002004-15  
<https://pubs.ala.usmc.mil/pubs/13210913000.pdf>  
TM 10647A-12  
<https://pubs.ala.usmc.mil/pubs/13210647000.pdf>

PCN: 13210913000

PCN: 50010647000

## Side Small Arms Protective Inserts (S-SAPI)



### OVERVIEW

The S-SAPI provides increased levels of flank and torso individual ballistic protection when worn with the Outer Tactical Vest. The Modular Tactical Vest comes equipped with S-SAPI.

### FEATURES

The Side SAPI affords the same protection as the Enhance Small Arms Protective Inserts to the sides of the torso by using 6"x8" plates of similar ceramic composite material.

### FIELDING AND LOGISTICS

A/O: 190,622  
ID No.: 11252A

TAMCN: C00152F  
LEAD NSN: 8470-01-535-9876

### PRODUCTION

Ballistic plate manufacturers: Ceradyne, Costa Mesa, CA and Diamondback Tactical, Glendale, AZ.

Ballistic carrier manufacturers: MED-ENG, Ontario, Canada and Protective Products International, Sunrise, FL.

### MANUALS

TM 500 10913A-OR-1 (Enhanced S-SAPI Carrier) PCN: 50010913100  
<https://pubs.ala.usmc.mil/pubs/50010913100.pdf>  
TM 10913A-OR-12 (S-SAPI Pouch Instructions) PCN: 50010913200  
<https://pubs.ala.usmc.mil/pubs2/50010913200.pdf>

## Lightweight Helmet (LWH)



### OVERVIEW

The Lightweight Helmet (LWH) replaces the Personal Armor System for Ground Troops (PASGT) helmet. The LWH protects the individual Marines head from fragmentation, 9MM small arms projectiles, and blunt force trauma.

### FEATURES

- The LWH retains the PASGT profile but makes use of lighter materials available through new technologies.
- The LWH is approximately 3 to 6 ounces lighter than the PASGT depending on helmet size.
- It features a retention system and pads that will reduce stress and fatigue on the neck and shoulders.
- LWH is available in six sizes ranging from X-Small to XX-Large.

### FIELDING AND LOGISTICS

A/O: 198,088  
ID No.: 08744B

TAMCN: C32152E  
LEAD NSN: 8470-01-506-0934

### PRODUCTION

Gentex Corporation, Carbondale, PA.

### MANUALS

ULSS 08744-15 PCN: 13200874400  
<https://pubs.ala.usmc.mil/pubs/13200874400.pdf>  
TM 08744B-12&P PCN: 50008744000  
<https://pubs.ala.usmc.mil/pubs/50008744000.pdf>

## Nape Protection Pad



### OVERVIEW

The Nape Protection Pad (NAPP) protects the occipital region of the head and neck with approximately 17 square inches of soft armor. It increases overall head ballistic protection against ground-based and vehicle-based explosive devices.

### FEATURES

- The NAPP outer shell is constructed out of flame resistant cordura.
- The NAPP interfaces with the “X” retention system of the Lightweight Helmet (LWH), and the “H” retention system of the Modular Integrated Communications Helmet (MICH).

### FIELDING AND LOGISTICS

A/O: 60,000  
ID No.: N/A

TAMCN: N/A (Component to the Light  
Weight Helmet)  
LEAD NSNs: 8470-01-554-6751

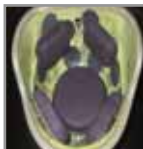
### PRODUCTION

The Gentex Corporation, Carbondale, PA.

### MANUALS

The NAPP is a component of the Light Weight Helmet and will be included in the next revision of TM 08744B-12&P (Light Weight Helmet) PCN: 50008744000  
<https://pubs.ala.usmc.mil/pubs/50008744000.pdf>

## Pad Suspension System



### **OVERVIEW**

The Pad Suspension System consists of seven pads that are attached to the Lightweight Helmet (LWH) using Velcro hook disks. The pads are composed of two foam layers covered with a synthetic Velcro loop composite fabric on the back that attaches to the LWH, and a knit material on the front that rests against the head. A minimum of five pads must be worn for the system to operate correctly.

### **FEATURES**

- (1) Circular Crown Pad.
- (2) Trapezoid Pads.
- (4) Oblong Side Pads.

### **FIELDING AND LOGISTICS**

A/O: 60,000

TAMCN: N/A (Component to the Lightweight Helmet)

ID No.: N/A

LEAD NSN: 8470-01-546-9420

Repair and replenishment of the pad suspension system is provided by the Defense Logistics Agency (Source of Supply Code-SMS).

### **PRODUCTION**

The Resource Center (TRC), National Institute for the Blind and Severely Handicapped, Jamestown, NY.

### **MANUALS**

The Pads Suspension System is a component of the Lightweight Helmet and has been added to TM 08744B-12&P (Lightweight Helmet) PCN: 50008744000

<https://pubs.ala.usmc.mil/pubs/50008744000.pdf>

## Enhanced Combat Vehicle Crewmen's Helmet (ECVCH)



### OVERVIEW

The Enhanced Combat Vehicle Crewmen's Helmet will offer better transmission quality, listening capability, and superior comfort relative to the Amphibious Assault Vehicle Combat Vehicle Crewmen's Helmet (AAV-CVCH).

### FEATURES

- The liner contains all the improved communications equipment.
- Deeper ear-cups and better earphone speakers to increase sound attenuation, and a talk-thru circuit.
- The existing ballistic shell will remain in use thus providing the same level of ballistic protection provided by existing CVCH.
- The ECVCH is compatible with current crew vehicle radio and intercom systems as well as hand held radios through the use of standard fittings and cords.

### FIELDING AND LOGISTICS

A/O: 10,100  
ID No.: 10991B

TAMCN: C49942F  
LEAD NSNs: 8470-01-545-8200 SM-MED  
8470-01-545-8195 LG

### PRODUCTION

Sonetronics Corporation, West Belmar, NJ.

### MANUALS

ULSS 10991-15  
<https://pubs.ala.usmc.mil/pubs/13201099101.pdf>  
TM 10991B-O&P  
<https://pubs.ala.usmc.mil/pubs/17410991000.pdf>

PCN: 13201099101  
PCN: 17410991000

## QuadGard



### **OVERVIEW**

The QuadGard (QG) system was designed to provide ballistic protection for arms and legs in response to blast weapon threats and combat casualty trends during Operation Iraqi Freedom.

### **FEATURES**

- Shoulder pad-protection to minimize exposure.
- Three point OTV attachment system (rear strap, center strap, front strap).
- Upper arm - Protection to minimize frontal exposure.
- Lower arm (Opening to ease don/doff, ventilation slit and Velcro strap).
- Upper leg (One large FasTec closure at belt, protection to outer thigh area, ventilation slit and flap with FasTec closure, flap fold-back feature to streamline open position, suspender attachment for quick release).
- Knee (Flexibility of knee design, Integral knee pad for comfort).
- Lower leg (Ventilation by lengthening zipper, Velcro tie-downs over zipper).

### **FIELDING AND LOGISTICS**

A/O: 4,500  
ID No.: 00251A

TAMCN: C00162F  
LEAD NSN: 8470-01-544-5259

### **PRODUCTION**

FS Technology, Plano, TX.

### **MANUALS**

A Commercial Use & Care Manual was provided with fielded systems.



## Full Spectrum Battle Equipment: Individual and Platoon (FSBE)



### OVERVIEW

Full Spectrum Battle Equipment (FSBE) reduces the component weight, provides a single point of release mechanism, and has an integrated breathing and flotation system. Full Spectrum Battle Equipment replaces the Close Quarters Battle Equipment (CQBE) Assault Vest.

### FEATURES

-FSBE provides ballistic protection, brief underwater breathing capability, flotation, and limited load carriage to meet the specific mission profiles of the USMC Force Reconnaissance community, Fleet Anti-Terrorism Security Teams (FAST), and MEU (SOC) Helicopter Assault Companies.

-The FSBE Platoon Kit consists of wearable pouches and other specific gear to outfit a Marine platoon in battle.

-The FSBE Individual Kit consists of wearable pouches and other specific gear to outfit an individual Marine in battle.

-See the Marine Corps Stocklist for the components that make up each kit.

### FIELDING AND LOGISTICS

The FSBE will be fielded in two different kits, the Individual Kit and Platoon Kit.

## Full Spectrum Battle Equipment: Individual and Platoon (FSBE)

### FIELDING AND LOGISTICS

| FSBE KIT                    | A/O  | TAMCN   | ID NO. | NATIONAL STOCK NUMBER |
|-----------------------------|------|---------|--------|-----------------------|
| Configuration A- Individual | 3741 | C35012E | 11022A | 8465-01-518-1441      |
| Configuration A- Platoon    | 132  | C35002E | 11021A | 8465-01-518-1434      |
| Configuration B- Individual | 1976 | C35012E | 11022B | 8465-01-518-1442      |
| Configuration B- Platoon    | 44   | C35002E | 11021B | 8465-01-518-1437      |
| Configuration C- Individual | 1460 | C35012E | 11022C | 8465-01-518-1443      |
| Configuration C- Platoon    | 28   | C35002E | 11021C | 8465-01-518-1439      |
| Configuration D- Individual | 285  | C35012E | TBD    | TBD                   |
| Configuration D- Platoon    | 31   | C35002E | TBD    | TBD                   |

A complete listing of NSNs for the Individual and Platoon Kits can be found in the appropriate SL-3 listed below.

### PRODUCTION

The Resource Center (TRC), Jamestown, NY produces some FSBE Individual and Platoon Kit components and serves as the system integrator for the remaining components. The Resource Center assembles and ships completed kits directly to designated units.

### MANUALS

ULSS 000077-15 (Full Spectrum Battle Equipment) PCN: 13200007700  
<https://pubs.ala.usmc.mil/pubs/13200007700.pdf>  
 SL-3-11022 (Individual Full Spectrum Battle Equipment) PCN: 12311002200  
<https://pubs.ala.usmc.mil/pubs/12311002200.pdf>  
 SL-3 11021 (Platoon Full Spectrum Battle Equipment) PCN: 12311021000  
<https://pubs.ala.usmc.mil/pubs/12311021000.pdf>

## Military Eye Protection Systems (MEPS)



### OVERVIEW

The Military Eye Protection System (MEPS) is a product improvement to the Sand, Wind and Dust Goggles, and provides ballistic and solar eye protection.

### FEATURES

- MEPS are designed to protect Marines against sun, wind, dust and ballistic hazards that are common in the battle space.
- Ballistic standard:
  - 1) Goggles meet MIL-V-43511C 4.5.10 (.22 cal T37 projectile at 550-560 fps).
  - 2) Spectacles meet MIL-PRF-31013 3.5.1.1 (.15 cal T37 projectile at 640-660 fps).
- The eyewear can be worn during both day and night operations.
- MEPS offer anti-fog capability, increased field of view, and eye ballistic protection.
- The same corrective vision inserts can be used in both the goggles and spectacles.
- Laser protection capability is currently in development.

### FIELDING AND LOGISTICS

|            | A/O     | TAMCN   | ID NO. | NATIONAL STOCK NUMBER |
|------------|---------|---------|--------|-----------------------|
| Goggles    | 190,624 | C21712E | 01732D | 4240-01-504-5727      |
| Spectacles | 190,624 | C21702E | 11117A | 4240-01-554-5699      |

### PRODUCTION

Eye Safety Systems, Kethum, ID.

### MANUALS

N/A.

## Ballistic Hearing Protection (BHP)



### **OVERVIEW**

-Hearing protection worn by Marines needs to work in areas of steady-state noise (e.g., noise in and around aircraft, vehicles, engine-running watercraft, machinery, etc.) and impulse noise (e.g., gunfire, explosions). The Ballistic Hearing Protection provided to Marines is a two-ended ear plug that protects against steady-state noises and impact noises while allowing the wearer to hear ambient sounds (conversation, footsteps, rifle bolts, etc.) during combat situations.

-During Operation *Iraqi Freedom* I, the I MEF Surgeon initiated the request for Ballistic Hearing Protection after treating over 30 Marines for blast injuries to the ear that could have been mitigated if ballistic hearing protection had been worn. Ballistic hearing protection is issued to and required for all forces deploying to Iraq and Afghanistan.

### **FEATURES**

- Ballistic Hearing Protection, also called Combat Arms Earplugs, is a dual purpose earplug.
- With the yellow side of the earplug inserted in the ear, it will block loud impulse noise (weapons firing) without suppressing critical ambient sounds (verbal commands and warnings).
- With the green end inserted in the ear, it provides steady protection with an NRR of 22dB, which is ideal when exposed to constant high level sound sources 85dB and above.

### **FIELDING AND LOGISTICS**

A/O: 336,068

ID No.: N/A

TAMCN: N/A

LEAD NSN: 6515-01-466-2710

Repair and replenishment of BHP is provided by the Defense Logistics Agency (Source of Supply Code-SMS).

### **PRODUCTION**

Aearo Company, New Palestine, IN.

### **MANUALS**

N/A.

## Evaporative Cooling Vest (ECV)



### **OVERVIEW**

The ECV is an individual microclimate system that provides cooling relief in hot climates when conducting foot patrols and vehicle convoys. Used primarily under the OTV, the ECV was procured in response to an Urgent Universal Statement of Need. Manufactured out of fire resistant material, the ECVs open weave mesh provides evaporative cooling. This system will not be sustained since the OTVs replacement, the Modular Tactical Vest, has a mesh weave permanently attached to the inside of the vest to provide evaporative cooling.

### **FEATURES**

- It allows for freer flow by ambient air and is a completely passive system.
- The ECV is a one size fits all vest can be trimmed to fit by the user.

### **FIELDING AND LOGISTICS**

A/O: 60,000  
ID No.: 11253A

TAMCN: C00142F  
LEAD NSN: 8415-01-534-8878

### **PRODUCTION**

Source One Distributors, Inc., Wellington, FL.

### **MANUALS**

A Commercial Use & Care Manual was provided with fielded systems.

## Standard Improved Load Bearing Equipment



### OVERVIEW

The Improved Load Bearing Equipment (ILBE) is a load carrying/pack system designed to provide a durable and lightweight means for Marines to carry individual combat clothing and equipment.

### FEATURES

- The ILBE system has two major components: the pack system and the Assault Load Carrier (ALC).
- The ILBE pack system consists of a 4,500 cubic inch main pack, 1,500 cubic inch assault pack, and a 100 ounce hydration system.

### FIELDING AND LOGISTICS

A/O: 211,375  
ID No.: 11003A

TAMCN: C54402F  
LEAD NSN: 8465-01-515-8615

### PRODUCTION

Propper International Sales, Saint Charles, MO.

### MANUALS

|   |                  |
|---|------------------|
| ULSS 010003-15  | PCN: 13211003000 |
| <a href="https://pubs.ala.usmc.mil/pubs/13211003000.pdf">https://pubs.ala.usmc.mil/pubs/13211003000.pdf</a> |                  |
| TM 11003A-10 (ILBE Pack)  | PCN: 50011003000 |
| <a href="https://pubs.ala.usmc.mil/pubs/50011003000.pdf">https://pubs.ala.usmc.mil/pubs/50011003000.pdf</a> |                  |
| TM 11003A-OR/1 (ILBE Hydration Pack)  | PCN: 50011003100 |
| <a href="https://pubs.ala.usmc.mil/pubs/50011003100.pdf">https://pubs.ala.usmc.mil/pubs/50011003100.pdf</a> |                  |
| SL-3-11003 (ILBE Stocklist)   | PCN: 12311003000 |
| <a href="https://pubs.ala.usmc.mil/pubs/12311003000.pdf">https://pubs.ala.usmc.mil/pubs/12311003000.pdf</a> |                  |

## Reconnaissance Improved Load Bearing Equipment (R-ILBE)



### OVERVIEW

The Reconnaissance ILBE is a load carrying system designed to meet reconnaissance units mission requirements.

### FEATURES

- The ILBE Pack System consists of a 5,500 cubic inch main pack, and a 2,300 cubic inch assault pack.
- Attached to the outside of the assault pack are two 500 cubic inch pouches and a detachable 100 ounce hydration system produced by Source Vagabound.

### FIELDING AND LOGISTICS

A/O: 3,913  
ID No.: 11511A

TAMCN: C53312E  
LEAD NSN: 8465-01-534-3594

### PRODUCTION

Propper International Sales, Saint Charles, MO.

### MANUALS

|   |                  |
|---|------------------|
| TM 11003A-10 (ILBE Pack)  | PCN: 50011003000 |
| <a href="https://pubs.ala.usmc.mil/pubs/50011003000.pdf">https://pubs.ala.usmc.mil/pubs/50011003000.pdf</a> |                  |
| TM 11003A-OR/1 (ILBE Hydration Pack)  | PCN: 50011003100 |
| <a href="https://pubs.ala.usmc.mil/pubs/50011003100.pdf">https://pubs.ala.usmc.mil/pubs/50011003100.pdf</a> |                  |
| SL-3-11003 (ILBE Stocklist)   | PCN: 12311003000 |
| <a href="https://pubs.ala.usmc.mil/pubs/12311003000.pdf">https://pubs.ala.usmc.mil/pubs/12311003000.pdf</a> |                  |

## Corpsman Assault Pack Improved Load Bearing Equipment (CAP-ILBE)



### OVERVIEW

The Corpsman Assault Pack is an improved load bearing system that replaces the previously fielded medical modular load bearing system.

### FEATURES

- Compartmentalization for medical instruments and equipment.
- Improved ergonomics.
- Reduced bulk through compression straps.
- Removable inserts for enhanced, customized mission configurations.
- Complete integration with Family of ILBE items, to include hydration system.

### FIELDING AND LOGISTICS

A/O: 7, 335  
ID No.: 11296A

TAMCN: C53322E  
LEAD NSN: 8465-01-535-5377

### PRODUCTION

Propper International Sales, Saint Charles, MO.

### MANUALS

|   |                  |
|---|------------------|
| TM 11003A-10 (ILBE Pack)  | PCN: 50011003000 |
| <a href="https://pubs.ala.usmc.mil/pubs/50011003000.pdf">https://pubs.ala.usmc.mil/pubs/50011003000.pdf</a> |                  |
| TM 11003A-OR/1 (ILBE Hydration Pack)  | PCN: 50011003100 |
| <a href="https://pubs.ala.usmc.mil/pubs/50011003100.pdf">https://pubs.ala.usmc.mil/pubs/50011003100.pdf</a> |                  |
| SL-3-11003 (ILBE Stocklist)   | PCN: 12311003000 |
| <a href="https://pubs.ala.usmc.mil/pubs/12311003000.pdf">https://pubs.ala.usmc.mil/pubs/12311003000.pdf</a> |                  |



## Improved Load Bearing Equipment (ILBE) Pouches



### OVERVIEW

As a critical element of the Marine's individual load, ILBE pouches provide Marines with the capability to carry ammunition for their specific individual weapon. All pouches are components of the Improved Load Bearing System.

### FEATURES

- M16/M4 Speed Reload Magazine pouch**-holds the Marine rifleman's first choice M16/M4 magazine.
- M16/M4 Single/Double Magazine pouch**-holds up to two M16/M4 magazines.
- 9mm 15 Round Magazine pouch**-this pouch holds one 9mm magazine.
- 40mm Grenade pouch**-this pouch holds one 40mm grenade.
- Popup Flare pouch**-this pouch affords the user quick access to one popup flare.
- M67 Grenade pouch**-holds one M67 grenade, allows the user quick access and modularity.
- 12 Gauge Shotgun Shell pouch**-holds ten 3 inch 12 gauge shotgun shells.
- Multi-Grenade pouch**-this pouch will hold one smoke grenade, thermite grenade, star cluster grenade or two flash-bangs.
- Dump pouch**-this pouch will hold empty M4/M16 or empty SAW drum.
- Squad Automatic Weapon (SAW) Utility pouch**-this is a multipurpose pouch, which has a removable insert and accommodates 40mm grenades, SAW drums or can be used as a bulk carrying pouch.

### FIELDING AND LOGISTICS

| POUCHES                             | A/O     | NATIONAL STOCK NUMBER |
|-------------------------------------|---------|-----------------------|
| M16/M4 Speed Reload Magazine pouch  | 188,260 | 8465-01-558-5122      |
| M16/M4 Single/Double Magazine pouch | 564,780 | 8465-01-558-6167      |
| 9mm 15 Round Magazine pouch         | 77,076  | 8465-01-558-5105      |
| 40mm Grenade pouch                  | 33,954  | 8465-01-588-5113      |

## Improved Load Bearing Equipment (ILBE) Pouches

### **FIELDING AND LOGISTICS**

| <b>POUCHES</b>                              | <b>A/O</b> | <b>NATIONAL STOCK NUMBER</b> |
|---|------------|------------------------------|
| Popup Flare pouch                           | 19,962     | 8465-01-558-3148             |
| M67 Grenade pouch                           | 376,520    | 8465-01-558-5185             |
| 12 Gauge Shotgun Shell pouch                | 6,729      | 8465-01-558-4476             |
| Multi-Grenade pouch                         | 19,962     | 8465-01-558-3148             |
| Dump Pouch                                  | 188,259    | 8465-01-558-5130             |
| Squad Automatic Weapon (SAW) /Utility Pouch | 37,032     | 8465-01-559-0116             |

### **PRODUCTION**

| <b>POUCHES</b>                              | <b>MANUFACTURER</b>    | <b>CITY, STATE</b> |
|---|------------------------|--------------------|
| M16/M4 Speed Reload Magazine pouch          | Specialty Defense      | Jessup, PA         |
| M16/M4 Single/Double Magazine pouch         | Fire Force             | Arcadia, CA        |
| 9mm 15 Round Magazine pouch                 | Eagle Industries       | Fenton, MO         |
| 40mm Grenade pouch                          | Atlantic Diving Supply | Virginia Beach, VA |
| Popup Flare pouch                           | Quantico Arms          | Woodbridge, VA     |
| M67 Grenade pouch                           | The Resource Center    | Jamestown, NY      |
| 12 Gauge Shotgun Shell pouch                | Eagle Industries       | Fenton, MO         |
| Multi-Grenade pouch                         | Eagle Industries       | Fenton, MO         |
| Dump Pouch                                  | Specialty Defense      | Jessup, PA         |
| Squad Automatic Weapon (SAW) /Utility Pouch | Quantico Arms          | Woodbridge, VA     |

### **MANUALS**

Pouches will be added to the next revision of SL-3-11003 (ILBE Stocklist)

PCN: 12311003000 <https://pubs.ala.usmc.mil/pubs/12311003000.pdf>

## Individual Water Purification System (IWPS)



**Block I**

**Block IA**

**Block II**

**Block III**

### OVERVIEW

-The IWPS is a critical element of the individual Marine's load. The IWPS is being fielded in three block upgrades. Block I is a two part redundant system consisting of a disinfecting pen and an in-line microfilter that provides the Warfighter with the capability to make potable water from any existing fresh water source when operating in austere environments. Block I is currently being fielded to the acquisition objective listed below.

-Block II: Hydration System Integration. Currently under research and development, this Block will fully integrate both water purification and water filtration into the ILBE hydration system.

-Block III: Desalinization. Currently under research and development, this block will augment the capabilities of the IWPS to include saltwater.

### FEATURES (BLOCK I)

-Disinfecting Pen.

- 1) 6.75 inches long.
- 2) Weight 3.5oz.
- 3) Produces a disinfectant solution that neutralizes viruses, bacteria and protozoan cysts.

-In-Line Microfilter.

- 1) 7.5 inches long.
- 2) Weight 3 ounces.
- 3) Removes all bacteria and protozoan cysts.

### FIELDING AND LOGISTICS

| BLOCK                    | A/O     | TAMCN   | ID NO. | NATIONAL STOCK NUMBER |
|--------------------------|---------|---------|--------|-----------------------|
| Block I Disinfecting Pen | 29,610  | C30612B | 11025A | 4610-01-513-8498      |
| In-Line Microfilter      | 190,018 |         |        | 4610-01-542-3842      |

## Individual Water Purification System (IWPS)

### FIELDING AND LOGISTICS

| BLOCK                                   | A/O | TAMCN | ID NO. | NATIONAL STOCK NUMBER |
|---|-----|-------|--------|-----------------------|
| Block II (Hydration System Integration) | TBD | TBD   | TBD    | TBD                   |
| Block III (Desalinization)              | TBD | TBD   | TBD    | TBD                   |

### PRODUCTION

The Block I Disinfecting Pen and In-Line Microfilter are manufactured by Cascade Designs, Inc., Seattle, WA.

### MANUALS

ULSS 000008-15A

PCN: 13211025000

<https://pubs.ala.usmc.mil/pubs/13211025000.pdf>

## Enhanced Bed Net Systems (EBNS)



### **OVERVIEW**

Commanding General, 2d Marine Expeditionary Force (II MEF) released an Urgent Need Statement (UNS) for the Improved Bed Net System (IBNS). At the request of the Marine Corps the vendor modified the improved IBNS and added a rain fly. The IBNS then became the Enhanced Bed Net System (EBNS).

### **FEATURES**

- Rain barrier attached for inclement weather.
- Provides sleeping Marines insect protection when sleeping on cots or on the ground.
- Permethrin treated.

### **FIELDING AND LOGISTICS**

A/O: 112,563  
ID No.: 01901D

TAMCN: K44292E  
LEAD NSN: 3740-01-546-4354

### **PRODUCTION**

MMI - Montgomery Marketing, Inc., Montgomery, AL.

### **MANUALS**

In development.

## Ultra High Intensity Illumination System (UHIMIS)



### **OVERVIEW**

The UHIMIS provides long range visible and infrared illumination to detect enemy activity, which increases Marines survivability, lethality and effectiveness.

### **FEATURES**

- Projects visible and infrared light up to three quarters of a mile.
- Beam can be adjusted from 0.5° to 15° without creating a black-hole in the middle of the light beam.
- Weight is 4.4 pounds.
- 90 minute run time on a full battery charge.
- Equipped with all the hardware to recharge the battery from any power source to include vehicle batteries.

### **FIELDING AND LOGISTICS**

A/O: 1,200  
ID No.: 11106A

TAMCN: C00047B  
LEAD NSN: 5585-01-527-9966

### **PRODUCTION**

Xenonics, Carlsbad, CA.

### **MANUALS**

SL-3 11106A  
<https://pubs.ala.usmc.mil/pubs/12311106000.pdf>  
TM 11106A-12  
<https://pubs.ala.usmc.mil/pubs/50011106000.pdf>

PCN: 12311106000

PCN: 50011106000

## Poncho Liner (MARPAT)



### OVERVIEW

Provides Marines with a lightweight field blanket.

### FEATURES

- New Marine Pattern camouflage.
- Quilted design offers additional comfort and warmth.

### FIELDING AND LOGISTICS

A/O: 208,141  
ID No.: 05509B

TAMCN: C32702F  
LEAD NSN: 8405-01-545-8153

### PRODUCTION

National Institute for the Blind and Severely Handicapped, Ashville, NC.

### MANUALS

N/A.

## Waterproof Bag, Improved Load Bearing Equipment



### **OVERVIEW**

The Waterproof Bag, ILBE will replace the existing waterproof bag. Two Waterproof ILBE Bags will be issued to each Marine; one for the main compartment of the ILBE and one for the ILBE assault pack.

### **FEATURES**

- Water tight seal.
- Assault pack has an orange liner to be used when an expedient signal device is required.
- Purge valve to effectively reduce the packed volume of the bag.
- Both the main and assault waterproof bag are SL-3 components to the ILBE.
- Each weighs less than a pound.
- Main waterproof bag is 3,600 cubic inches.
- Assault waterproof bag is 1,500 cubic inches.

### **FIELDING AND LOGISTICS**

A/O: 190,624

ID No.: N/A

TAMCN: N/A

LEAD NSN: Pending

### **PRODUCTION**

Cascade Design Inc, Seattle, WA.

### **MANUALS**

SL-3-11003 (ILBE Stocklist)

PCN: 12311003000

<https://pubs.ala.usmc.mil/pubs/12311003000.pdf>



## Field Tarpaulin (Field Tarp)



### **OVERVIEW**

The Field Tarp is designed to provide Marines with a lightweight, waterproof covering, which can also be used as a ground cover, sunshade, gear cover, field litter, and a hasty shelter.

### **FEATURES**

- Constructed out of durable material that will not rip, leak, or delaminate like the poncho it replaces.
- The edges of the field tarp can be secured to one another with the sewn in snaps.

### **FIELDING AND LOGISTICS**

A/O: 198,041  
ID No.: 02104F

TAMCN: C34002E  
LEAD NSN: 8340-01-519-2701

### **PRODUCTION**

ORC Industries, National Institute for the Blind and Severely Handicapped, La Crosse, WI and Brownsville, TX.

### **MANUALS**

N/A.

## Individual Hand-Held Flashlight



### **OVERVIEW**

Individual Hand Held Flashlights are in development and will provide each Marine with a durable, light-weight hand-held flashlight. Marines will no longer be required to purchase a flashlight for individual use in the field.

### **FEATURES**

- This flashlight shall be small in size and light weight. It must be able to withstand (6) 5 foot drops onto a concrete floor without breaking.
- It will use AA-batteries which are the most common battery power source available.
- The operation of the flashlight must be intuitive and it must be operable while wearing gloves.
- It will have a white, blue, red, and infrared (IR) light source without having to attach a separate lens. It must also project a white beam of concentrated light.

### **FIELDING AND LOGISTICS**

A/O: 233,030  
ID No.: TBD

TAMCN: TBD  
LEAD NSN: TBD

### **PRODUCTION**

TBD.

### **MANUALS**

In development.

## External Knee & Elbow Pads



### OVERVIEW

Commanders were in need of knee and elbow pads that provided their Marines better support, flexibility and comfort. Commanders were spending unit funds and in a lot of instances, Marines were using their personal funds to acquire suitable external knee and elbow pads. The knee and elbow pads selected by the Marine Corps and fielded is a modified version of the Army's knee and elbow pads.

### FEATURES

- Knee and elbow pad's outer shell will not slip on most surfaces.
- Provide excellent protection to the knees and elbows.
- A contoured shape padded for comfort and flexibility.
- Velcro fasteners for quick and secure fit.

### FIELDING AND LOGISTICS

|                     | A/O     | TAMCN   | ID NO. | NATIONAL STOCK NUMBER |                  |
|---------------------|---------|---------|--------|-----------------------|------------------|
| External Knee Pads  | 198,041 | C00402E | 11026A | SM                    | 8415 01 515 0363 |
|                     |         |         |        | MED                   | 8415 01 515 0364 |
|                     |         |         |        | LG                    | 8415 01 515 0367 |
| External Elbow Pads | 198,041 | C00412E | 11394A | SM                    | 8415 01 515 0219 |
|                     |         |         |        | MED                   | 8415 01 515 0222 |
|                     |         |         |        | LG                    | 8415 01 515 0224 |

### PRODUCTION

Bijan's Protective Equipment, Santa Rosa, CA

### MANUALS

N/A.

## Martial Arts Kit



### OVERVIEW

Martial Arts Kits provides Marine Corps martial arts instructors with all the equipment necessary to train Marines in hand to hand combat. Martial Arts training increases a Marine's self- confidence and instills a warrior ethos.

### FEATURES

- The Martial Arts Kit (MAK) consists of those equipment items necessary to train Marines from basic to advanced fighting techniques.
- Five belts are issued in a graded progression from basic to advanced skills (Tan, Grey, Green, Brown, and Black).
- A tan stripe is placed on the belt to denote instructors, and a red stripe denotes an instructor trainer.

### FIELDING AND LOGISTICS

A/O: 411  
ID No.: 10776A

TAMCN: K41782E  
LEAD NSN: 8415-01-519-8469

### PRODUCTION

The MAK is comprised of Commercial Off-the-Shelf (COTS) items provided by numerous vendors. Kits are integrated and provided by the Defense Logistics Agency (Source of Supply Code-SMS).

### MANUALS

ULSS 002901-15  
<https://pubs.ala.usmc.mil/pubs/13210776000.pdf>  
SL-3 10776A  
<https://pubs.ala.usmc.mil/pubs/12310776000.pdf>

PCN: 13210776000

PCN: 12310776000

## Mechanical Breachers Kit (MBK)



### OVERVIEW

The Breacher's Kit is designed to: breach locked doors, walls, and cut chain-link fences, and wire obstacles.

### FEATURES

- The Mechanical Breacher's Kit (MBK) increases the small units' capability to breach obstacles without the use of explosives.
- MBK is specifically designed for breaching obstacles in urban/built up areas.
- Requirement stems from a Marine Enhancement Program initiative.

### FIELDING AND LOGISTICS

A/O: 752

ID No.: 11505A

TAMCN: C00382E

LEAD NSN: 8465-01-558-8195

| MBK COMPONENTS        | NATIONAL STOCK NUMBER |
|-----------------------|-----------------------|
| MBK Kit Complete      | 8465-01-558-8195      |
| Components List       |                       |
| Bolt Cutter Carrier   | 8465-01-543-8003      |
| Sledge Hammer Carrier | 8465-01-544-6821      |
| Sledge Axe Carrier    | 8465-01-543-7948      |
| Halligan Tool Carrier | 8465-01-545-9923      |
| Ladder Carrier        | 8465-01-543-7961      |
| Kit Accessory Bag     | 8465-01-516-7955      |
| Bolt Cutters          | 5110-01-534-0120      |

## Mechanical Breachers Kit (MBK)

### FIELDING AND LOGISTICS

| MBK COMPONENTS                | NATIONAL STOCK NUMBER |
|-------------------------------|-----------------------|
| Sledge Axe                    | 4210-01-532-4603      |
| Halligan Tool                 | 5120-01-507-1498      |
| Sledge Hammer (Non Breakable) | 4240-01-554-4834      |
| Wrecking Bar                  | 5120-00-569-1292      |
| Back Pack Frame (Pack Mule)   | 8650-01-552-9713      |
| Kevlar Sleeves                | 8465-01-543-9504      |
| Goggles, Eye Protection       | 4240-01-504-5727      |
| Rope, Sterling 10.2 m x 70 m  | 4240-01-554-4835      |
| Rope Bag                      | 8465-01-543-7936      |
| Grappling Hook                | 2040-01-499-0035      |
| Flashlight, Tactical          | 6230-01-543-5504      |
| AA Batteries                  | 6135-00-985-7845      |
| Tactical Gloves, Medium       | 8415-01-552-6272      |
| Tactical Gloves, Large        | 8415-01-552-6290      |
| Tactical Gloves, X-Large      | 5715-01-552-6272      |
| Ladder, Collapsible           | 1670-01-544-8194      |
| Carabineers, Locking          | 8465-01-415-5134      |
| Carabineers, Non-Locking      | 8465-01-415-5137      |

### PRODUCTION

The MBK components are procured and kits are integrated by The Resource Center (TRC), National Institute for the Blind and Severely Handicapped, Jamestown, NY.

### MANUALS

In development.

## Marine Corps Stuff Sack (MACS Sack)



### **OVERVIEW**

After Action Reports from Operations Iraqi Freedom and Enduring Freedom demonstrated a compelling need to provide a waterproof bag to protect personal gear from the elements, rain, sand, snow, and moisture. The Marine Corps Stuff Sack will provide Marines a better method of waterproofing their personal gear stored inside Improved Load Bearing Equipment (ILBE).

### **FEATURES**

- The MACS Sack is construction with an easy-to-use single-strap roll-top closure and a bottom handle that can be used while wearing insulated gloves
- An automatic purge valve lets air out to compress the bag. The valve is a flush-mounted, hands-free check valve, with no metal or hard plastic parts.
- Durable, lightweight fabric with smooth internal and external surfaces to facilitate packing and compression. Able to withstand 20 home launderings (warm water and warm tumble dry) with no structural failures.

### **FIELDING AND LOGISTICS**

A/O: 791,836

ID No: N/A

TAMCN: N/A

LEAD NSN: 8465-01-542-7688

- The Marine Corps Stuff Sack is listed on GSA and can be requisitioned through the supply system.
- The Marine Corps Stuff Sack is an SL-3 component of the ILBE.
- Each ILBE rates four MACS Sacks.

### **PRODUCTION**

Cascade Designs, Seattle, WA.

### **MANUALS**

SL-3-11003 (ILBE Stocklist)

PCN: 12311003000

<https://pubs.ala.usmc.mil/pubs/12311003000.pdf>

## 3 Season Sleep System (3S)



**\*Representative of 3 season bag**

### **OVERVIEW**

Operation Enduring Freedom after Action Reports demonstrated a compelling need to provide Marines with a sleeping bag that increases protection from environmental conditions while reducing weight and volume. Marines carried only the modular patrol bag during mountain operations in Afghanistan, which decreases weight but does not provide adequate protection in cold mountainous environments.

### **FEATURES**

- This program will develop and validate a 3 Seasons Bag (3S) that provides protection in cold and wet environmental conditions.
- The system will provide protection against cold weather when the temperature is zero degrees Fahrenheit.
- The system includes a sleeping bag, bivy cover, waterproof compression stuff sack, and a light weight sleeping mat with a total weight of seven and one half pounds.
- The 3S will increase protection in the cold by 15 degrees Fahrenheit, reduce weight by one pound and volume by 15 percent when compared to the Modular Sleep System.

### **FIELDING AND LOGISTICS**

A/O: 233,030  
ID No: TBD

TAMCN: TBD  
LEAD NSN: TBD

### **PRODUCTION**

TBD.

### **MANUALS**

In development.



## Marine Assault Climber's Kit (MACK)



### **OVERVIEW**

Improvements are being made to the current Marine Assault Climber's Kit (MACK).

### **FEATURES**

- Current MACK enables a company to scale a 300 foot vertical rock danger area.
- Individual items will be replaced with lighter more durable and technologically superior products.
- Items will be certified by the International Union of Alpine Associations (IUAA) where applicable.

### **FIELDING AND LOGISTICS**

A/O: 60

ID No: 10161A

TAMCN: K45232E

LEAD NSN: 8465-01-394-8325

### **PRODUCTION**

The MACK is comprised of Commercial Off-the-Shelf (COTS) items provided by numerous vendors. Kits will be integrated by the National Institute for the Blind and Severely Handicapped, Jamestown, NY.

### **MANUALS**

SL-3-10161A

PCN: 12310161000

<https://pubs.ala.usmc.mil/pubs/12310161000.pdf>

## Modular Steel Traction Snowshoe (MSTS)



### **OVERVIEW**

The Modular Steel Traction Snowshoe provides traction and mobility in snow covered terrain for Marines to accomplish forward deployed cold weather operations.

### **FEATURES**

- Modular construction.
- Steel traction bars attached.
- Eight inch detachable tail.

### **FIELDING AND LOGISTICS**

A/O: 12,800  
ID No: 10536B

TAMCN: V43552E  
LEAD NSN: 8465-01-558-9958

### **PRODUCTION**

Cascade Designs, Seattle, WA.

### **MANUALS**

In development.

## Individual / Team JP-8 Stove



### **OVERVIEW**

The Individual/Team JP-8 Stove is a product improvement to the Squad Stove (K49412E).

### **FEATURES**

- The stove under evaluation at Marine Corps Mountain Cold Weather Training Command (MCMCWTC) Bridgeport, CA is a commercial off the shelf stove (XGK) that has had an additional fuel jet configured for the use of JP-8.
- This jet has been optimized for burning JP-8 at 10,000 feet and is resistant to soot build-up, which is one of the major problems with previously fielded systems.
- The stove being tested is comprised of an XGK Stove, user maintenance kit in a carrying bag, a 22oz fuel bottle with pump, and wind screen in an additional carrying bag.
- Evaluation in a snow environment demonstrated a 20 to 1 return on fuel weight when melting snow for drinking water.

### **FIELDING AND LOGISTICS**

A/O: TBD  
ID No: TBD

TAMCN: TBD  
LEAD NSN: TBD

### **PRODUCTION**

TBD.

### **MANUALS**

In development.



## Enhanced Tray Ration Heating System (E-TRHS)



### **OVERVIEW**

The Enhanced Tray Ration Heating System (E-TRHS) is intended to fill the gap between packaged operation rations (MRE's) and established Field Mess sites serving A-Rations.

### **FEATURES**

- Flexible support.
- Forward feeding solution.
- Systems can be used in tandem to increase feeding capacity.
- Evolutionary in nature, incorporates best field feeding practices and equipment and re-packages them to expand capabilities.
- Provides refrigeration to units in the field with the Quad Cold refrigeration unit.

### **FIELDING AND LOGISTICS**

A/O: 68  
ID No: TBD

TAMCN: C00357B  
LEAD NSN: TBD

### **PRODUCTION**

The integrator for E-TRHS components is the Joint Combat Field Feeding Directorate, U.S. Army Natick Soldier Research, Development, and Engineering Center, Natick MA.

### **MANUALS**

In development.

## Tray Ration Heating System (TRHS)



### **OVERVIEW**

The TRHS is a self-contained multi-fuel ration heater operated on a moving vehicle to feed Marines hot meals in remote areas.

### **FEATURES**

- The TRHS system is capable of cooking and preparing meals for 250 Marines in the field.
- It allows the commander to provide hot meals in the field without establishing a traditional field mess.

### **FIELDING AND LOGISTICS**

A/O: 698  
ID No: 09211A

TAMCN: C66217B  
LEAD NSN: 7310-01-295-7479

### **PRODUCTION**

Babington Enterprises Inc., McLean, VA.

### **MANUALS**

TM 09211A-14&P  
<https://pubs.ala.usmc.mil/pubs/18409211000.pdf>

PCN: 18409211000

## Field Food Service System (FFSS)



### **OVERVIEW**

The FFSS is a self-contained field kitchen consisting of integrated food preparation and sanitation appliances. It is designed to be operated and maintained with a minimum number of personnel and prepares 850 meals twice daily in a field environment.

### **FEATURES**

- The FFSS is configured within three 8'x8'x20' shelters that meet ISO standards.
- Fielding of the Field Food Service System (FFSS) satisfies the requirement for a rapidly deployable container based field feeding system.
- The FFSS replaces the M-59 Field Range Outfit, the M-2 Burner Unit and the M-67 Immersion Water Heater.

### **FIELDING AND LOGISTICS**

A/O: 42

ID No: 10879A

TAMCN: C58107B

LEAD NSN: 7360-33-201-2934

### **PRODUCTION**

E.M.C. Arpa S.A., Zaragoza, Spain.

### **MANUALS**

TM 10879A-12

<https://pubs.ala.usmc.mil/pubs/18409211000.pdf>

SL-3-10879A

<https://pubs.ala.usmc.mil/pubs/12310879000.pdf>

ULSS 001302-15

<https://pubs.ala.usmc.mil/pubs/12310879000.pdf>

PCN: 18410879000

PCN: 12310879000

PCN: 13210879000

## All Purpose Environmental Clothing System (APECS)



### OVERVIEW

The APECS parka and trousers provide increased environmental protection from cold and wet weather. It replaces the second generation Gortex material parka and trousers.

### FEATURES

- In addition to increased environmental protection, APECS provides a reduction in weight, noise, and infrared signature.
- The APECS camouflage pattern is woodland MARPAT.

### FIELDING AND LOGISTICS

|                | A/O     | TAMCN   | ID NO. | LEAD NATIONAL STOCK NUMBERS |
|----------------|---------|---------|--------|-----------------------------|
| APECS Parka    | 205,622 | C56522F | 09141O | 8415-01-421-9245            |
| APECS Trousers | 205,622 | C66322F | 09142A | 8415-01-228-1336            |

### PRODUCTION

Propper International, Saint Charles, MO.  
Tennessee Apparel, Tullahoma, TN.  
Tennier Industries, Huntsville, TN.

### MANUALS

ULSS 002096-15  
<https://pubs.ala.usmc.mil/pubs/13299994100.pdf>

PCN: 13299994100



## Combat Desert Jacket (CDJ)



### **OVERVIEW**

- The CDJ is a lightweight, wind resistant, water repellent jacket intended to provide environmental protection in desert environments. It provides protection against wind, blowing sand and light rain/snow.
- Incorporates different types of desert MARPAT printed fabrics to provide moisture management, odor reduction, and ventilation.

### **FEATURES**

- The CDJ has been designed to be compatible for wear with the Marine Corp Combat Utility Uniform (MCCUU), fleece pullover and lightweight cold weather underwear.
- The CDJ has the following features:
  - 1) Five pockets with water resistant zipper closures– two chest, two lower front, and one upper left sleeve.
  - 2) Collar has a stowed balaclava (hood).
  - 3) A light weight four-way stretch material in the underarm and upper back panels reduces bulk and provides mobility and ventilation.
  - 4) Sleeves have reinforced elbows, a rank tab, and adjustable wrist closures.

### **FIELDING AND LOGISTICS**

A/O: 210,000  
ID No: 402201

TAMCN: V00012F  
LEAD NSN: 8415-01-541-9430

### **PRODUCTION**

180s, Baltimore, MD.  
Tennessee Apparel, Tullahoma, TN.

### **MANUALS**

N/A.

## Flame Resistant Organizational Gear (FROG)



### OVERVIEW

Due to the amount of Marine Corps casualties in Iraq and Afghanistan from enemy improvised explosive device detonations, an Urgent Statement of Need (USON) was forwarded from the Operating Forces for hand, face, and neck flame and fire protection. Flame Resistant Organizational Gear (FROG) was quickly developed and fielded in response to the USON. Flame Resistant Organizational Gear is broken into two protective layers. FROG I consist of base layer garments and FROG II consist of outer garments that protect the individual Marine from immediate flash-fire and flame threats.

### FEATURES

#### **-FROG I:**

- 1) **Balaclava:** Hinged face guard that allows wearer to expose face without having to remove helmet and balaclava. Both a lightweight and medium weight balaclava is issued to each Marine.
- 2) **Long Sleeve Shirt:** In addition to being FR, this shirt has a mock neck design for added protection.
- 3) **Gloves:** FR material that has improved durability and dexterity.

#### **-FROG II**

- 1) **Combat Shirt & Trousers:** Designed to closely resemble the current Marine Corps Combat Utility Uniform (MCCUU).
- 2) Trousers have a calf pocket that allows the wearer to quickly identify flame resistant (FR) MCCUU trousers from regular MCCUU trousers.

## Flame Resistant Organizational Gear (FROG)

### FIELDING AND LOGISTICS

| FROG ITEM                 | A/O     | TAMCN   | ID NO. | NATIONAL STOCK NUMBER |
|---------------------------|---------|---------|--------|-----------------------|
| Balaclava (Light Weight)  | 60,000  | V00062F | TBD    | 8415-01-546-2650      |
| Balaclava (Medium Weight) | 60,000  | V00062F | TBD    | 8415-01-546-2630      |
| Long Sleeve T-Shirt       | 120,000 | V00042F | TBD    | 8415-01-547-1845      |
| Gloves                    | 60,000  | V00032F | TBD    | 8415-01-547-1890      |
| Long Sleeve Shirt         | 120,000 | V00052F | TBD    | 8415-01-547-1734      |
| Trousers                  | 120,000 | V00072F | TBD    | 8415-01-546-9992      |

### PRODUCTION

Light and Medium Weight Balaclavas and Long Sleeve T-Shirt, Potomac Field Gear Honaker, VA.

Gloves, Camelbak, Petaluma, CA.

Combat Shirt & Trousers, Crye Precision, Brooklyn, NY and Propper International, St. Charles, MO.

### MANUALS

N/A.

## Improved Combat Vehicle Crewmen's Coveralls (ICVC)



### **OVERVIEW**

The Improved Combat Vehicle Crewmen's (ICVC) coveralls are an improvement and will phase out the currently issued combat vehicle crewmen's coveralls. The color has been changed to coyote, a more durable fabric is being used, and minor design changes requested by the user community incorporated with no reduction in flame/thermal performance characteristics.

### **FEATURES**

- Drop seat with side zipper closures and a Velcro tape closure at top edge.
- The waist, sleeves, and leg bottoms have elastic adjustments.
- Reinforcement patches at the seat, elbows, knees, and inside lower leg.
- There are twelve pockets with welted zipper openings.

### **FIELDING AND LOGISTICS**

A/O: 10,617  
ID No: 11489A

TAMCN: C10652F  
LEAD NSN: 8415-01-550-7943

### **PRODUCTION**

Propper International, Saint Charles, MO.

### **MANUALS**

N/A.

## Proximity Gear Ensemble



### OVERVIEW

Improved proximity fire fighter gear provides Crash Fire and Rescue Marines with superior protection against high levels of radiant heat when fighting aircraft fires and extracting air-crews from burning aircraft.

### FEATURES

The proximity protection gear includes: helmet, hood, gloves, boots that provide Crash Fire and Rescue Marines with the best flame and fire protection commercially available.

### FIELDING AND LOGISTIC

| PROXIMITY GEAR     | A/O   | TAMCN   | ID NO. | NATIONAL STOCK NUMBER |
|--------------------|-------|---------|--------|-----------------------|
| Fireman's Hood     | 1,200 | C50402F | 11551A | 4210-01-545-6290      |
| Fireman's Helmet   | 1,200 | C50392E | 08887B | 4210-01-545-6316      |
| Fireman's Coat     | 1,200 | C44152E | 11514B | 4210-01-545-6498      |
| Fireman's Trousers | 1,200 | C66392E | 09853A | 8415-01-267-1145      |
| Fireman's Boots    | 1,200 | C41582E | 07893B | 4210-01-545-6657      |
| Fireman's Gloves   | 1,200 | C49152E | 09639A | 4210-01-335-7901      |

### PRODUCTION

Fisher Scientific, Pittsburg, PA.

### MANUALS

In development.

## Marine Corps Running Suit



### OVERVIEW

The Commandant of the Marine Corps initiated the running suit program to develop an improved physical training (PT) uniform. The running suit does not replace the PT uniform and is compatible with other PT uniform items. The current T-shirts, shorts, sweatshirts and sweatpants will remain standard issue.

### FEATURES

- Includes features such as moisture management, reflectivity, antimicrobial characteristics, quick drying, and water resistance.
- Fielding has commenced, and as directed by the Commandant, initial issue of the Marine Corps Running Suit will be to every Active Duty and Reserve Officer and Enlisted Marine at no cost to the member.

### FIELDING AND LOGISTICS

AO: 364,000  
ID No: N/A

TAMCN: N/A (Seabag issued item)  
LEAD NSN: Jacket, 8415-01-550-1640  
Trousers, 8415-01-550-1705

### PRODUCTION

New Balance, Huntington Station, NY.

### MANUALS

N/A.

## Marine Corps Combat Boot, Hot Weather (MCCB, HW)



### **OVERVIEW**

The Marine Corps Combat Boot, Hot Weather (MCCB, HW) is a hybrid of the former jungle and desert boot with significant improvements to include: ankle reinforcement, rubber outsole, and a polyurethane cushioned mid-sole.

### **FEATURES**

- Weighs approximately 2 pounds per boot and has a partial speed lace closure system.
- Removable cushioned inserts.
- Constructed out of leather that is breathable, water, and mildew resistant.
- The boot is suede and coyote brown in color with an embossed Eagle, Globe, and Anchor on the outside heel.

### **FIELDING AND LOGISTICS**

A/O: N/A  
ID No: N/A

TAMCN: N/A (Seabag issued item)  
LEAD NSN: 8430-01-482-9944

### **PRODUCTION**

Belleville Shoe Manufacturing Co., Belleville, IL.  
Danner, Inc., Portland, OR.  
Altama Footwear, Atlanta, GA.

Bates Uniform Footwear, Rockford, MI.  
Cove Shoe Company, Martinsburg, PA.  
McRae Footwear, Mt. Gilead, NC.

The Defense Logistics Agency (Source of Supply Code-SMS) provides the Bates and Belleville brands through normal supply requisitions. All MCCB, HW can be purchased on line directly from the manufacturer and most MCCB, HW brands are carried by the Marine Corps Exchange.

### **MANUALS**

N/A.

## Marine Corps Combat Boot, Temperate Weather (MCCB, TW)



### OVERVIEW

The Marine Corps Combat Boot, Temperate Weather (MCCB, TW) is a product improvement to the black infantry combat boot fielded in 1993. Improvements include: ankle reinforcement, rubber outsole, polyurethane cushioned mid-sole, and cell foam internal lining that provides insulation-warmth in cold weather.

### FEATURES

- Weighs approximately 2 pounds per boot and has a partial speed lace closure system.
- Removable cushioned inserts.
- Constructed out of leather that is breathable, water, and mildew resistant.
- The boot is suede and coyote brown in color with an embossed Eagle, Globe, and Anchor on the outside heel.

### FIELDING AND LOGISTICS

A/O: N/A  
ID No: N/A

TAMCN: N/A (Seabag issued item)  
LEAD NSN: 8430-01-492-1727

### PRODUCTION

Belleville Shoe Manufacturing Co., Belleville, IL.  
Bates Uniform Footwear, Rockford, MI.  
Altama Footwear, Atlanta, GA.

Danner, Inc., Portland, OR.  
Cove Shoe Company, Martinsburg, PA.  
McRae Footwear, Mt. Gilead, NC.

The Defense Logistics Agency (Source of Supply Code-SMS) provides the Bates and Belleville brands through normal supply requisitions. All MCCB, TW can be purchased on line directly from the manufacturer and most MCCB, TW brands are carried by the Marine Corps Exchange.

### MANUALS

N/A.



## Snow Camouflage Uniform



### OVERVIEW

The snow camouflage parka, trousers and pack cover are over-garments worn to prevent detection from the enemy in snow covered terrain.

### FEATURES

- The parka and trousers are designed with pass through pocket openings and elastic or draw Cord, sleeve, waist, trouser leg and hood fitting adjustments.
- The parka and trouser come with an integrated self-storage zippered pocket pouch which allows the garment to be compressed for easy packing.
- The pack cover is designed to fit over the pack and is secured with a draw-cord.
- The snow camouflage uniform uses a disruptive digitized snow camouflage print that is effective in various winter environments.
- The fabric is extremely lightweight, treated with a water repellent finish, and quick drying.

### FIELDING AND LOGISTICS

| SNOW CAMOUFLAGE<br>UNIFORM ITEM | A/O    | TAMCN   | ID NO. | NATIONAL STOCK<br>NUMBER |
|---------------------------------|--------|---------|--------|--------------------------|
| Parka                           | 35,000 | V42302F | TBD    | 8415-01-555-0389         |
| Trousers                        | 35,000 | V43902F | TBD    | 8415-01-555-0447         |
| Pack Cover                      | 35,000 | V44802F | TBD    | TBD                      |

### PRODUCTION

Standard Manufacturing Co., Troy, NY.

### MANUALS

N/A.

## Lightweight Exposure Suit



### OVERVIEW

Personnel operating in the mountain environment must carry a variety of clothing and equipment items to adapt to rapidly changing conditions. The lightweight exposure suit provides low volume rain protection in a mountainous environment. The lightweight exposure jacket and trousers are durable over-garments, designed to quickly be donned and doffed. The lightweight exposure suit is constructed out of fabric that provides rain protection and is water vapor permeable to minimize overheating when engaged in strenuous activities.

### FEATURES

- Improved material performance, which reduces weight and bulk.
- The garment design streamlined to minimize additional weight and includes features to enable quick donning/doffing over multiple clothing layers.
- Exposed stitching is waterproof and guaranteed for the life of the garment.
- Garments are constructed with abrasion resistant knee and seat reinforcement patches.

### FIELDING AND LOGISTICS

| LIGHTWEIGHT EXPOSURE SUIT ITEMS | A/O    | TAMCN | ID NO. | NATIONAL STOCK NUMBER |
|---------------------------------|--------|-------|--------|-----------------------|
| Parka                           | 35,000 | TBD   | TBD    | 8415-01-555-1416      |
| Trousers                        | 35,000 | TBD   | TBD    | 8415-01-555-3009      |

### PRODUCTION

Propper International, Saint Charles, MO.

### MANUALS

N/A.

## Extreme Cold Weather Parka & Trouser (Happy Suit)



### OVERVIEW

The USMC requires an Extreme Cold Weather (ECW) over garment (parka, trouser, and boots) for bivouac, rest and sentry duties in mountain cold weather environments. The Extreme Cold Weather Parka and Trousers (Happy Suit) garments are lightweight and easily packed to a minimum volume.

### FEATURES

- The garments are oversized and designed with features to enable quick donning/doffing over multiple clothing layers.
- The shell material is highly water repellent and wind resistant.
- The insulation maintains uniform thickness and insulating properties after repeated packing and unpacking and commercial launderings.
- The garments do not allow wind to penetrate and are quick drying.

### FIELDING AND LOGISTICS

| HAPPY SUIT ITEMS | A/O    | TAMCN | ID NO. | NATIONAL STOCK NUMBER |
|------------------|--------|-------|--------|-----------------------|
| Parka            | 35,000 | TBD   | TBD    | 8415-01-555-1266      |
| Trousers         | 35,000 | TBD   | TBD    | 8415-01-555-1323      |
| Boots            | 35,000 | TBD   | TBD    | 8415-01-555-3177      |

### PRODUCTION

Wild Things, North Conway, NH.

### MANUALS

N/A.

## Underwear, Next-to-Skin, Cold Weather



### **OVERVIEW**

The new next-to-skin underwear is intended for wear in mountainous and cold weather environments. It is part of the Mountain Cold Weather Clothing System and will ultimately replace the current lightweight cold weather underwear being issued from Consolidated Issue Facilities.

### **FEATURES**

- Provides improved moisture management and comfort when worn in cold weather environments.
- The undershirt has a mock turtle neck collar and long sleeves with monkey paws.
- The drawers have been modified to a cuff-less leg.
- The fabric is a coyote silk weight material (Polartec Power Dry fabric) that has moisture wicking and anti-odor properties.

### **FIELDING AND LOGISTICS**

| UNDERWEAR, COLD WEATHER ITEM | A/O     | TAMCN   | ID NO. | NATIONAL STOCK NUMBER |
|------------------------------|---------|---------|--------|-----------------------|
| Undershirt                   | 412,000 | C12612F | TBD    | 8415-01-555-0899      |
| Drawers                      | 412,000 | C10912F | TBD    | 8415-01-555-0941      |

### **PRODUCTION**

Peckham Inc., Lansing, MI.

### **MANUALS**

N/A.

# Underwear, Grid Fleece, Mid-Weight, Cold Weather



## OVERVIEW

The Underwear, Grid Fleece, Mid-Weight, Cold Weather is intended for wear in mountainous and cold weather environments. It is part of the Mountain Cold Weather Clothing Layering System and will ultimately replace the fleece pullover currently being issued from Consolidated Issue Facilities.

## FEATURES

- Provides improved moisture management and insulation in cold weather environments.
- The mid-weight undershirt is a half zip design with a mock turtleneck, internal kangaroo pocket, and long sleeves with monkey paws.
- The drawers have an improved fly opening and a cuff-less leg.
- The underwear comes in a coyote stretch grid fleece material (a Polartec Power Dry fabric) that has moisture wicking and anti-order properties.

## FIELDING AND LOGISTICS

| UNDERWEAR, GRID FLEECE, MID-WEIGHT ITEM | A/O     | TAMCN   | ID NO. | NATIONAL STOCK NUMBER |
|---|---------|---------|--------|-----------------------|
| Undershirt                              | 206,000 | C12502F | TBD    | 8415-01-555-3422      |
| Drawers                                 | 206,000 | TBD     | TBD    | 8415-01-555-3504      |

## PRODUCTION

Peckham Inc., Lansing, MI.

## MANUALS

N/A.

## **Jacket, Windpro Fleece, Cold Weather**



### **OVERVIEW**

The Jacket, Windpro Fleece, Cold Weather is intended for wear by Marines in mountainous and cold weather environments and will replace the current 300 weight fleece black/coyote jacket currently being issued from Special Training Allowance Pools .

### **FEATURES**

- To reduce bulk, a lighter weight stretchable material has been added as underarm panels, which provides flexibility and ventilation.
- The jacket comes in the Desert MARPAT print with a durable water repellent finish (a Polartec Wind Pro fabric) that is wind resistant, moisture wicking, and water repellent.

### **FIELDING AND LOGISTICS**

A/O: 35,000

ID No: TBD

TAMCN: V41262F

LEAD NSN: 8415-01-555-7520

### **PRODUCTION**

Peckham Inc., Lansing, MI.

### **MANUALS**

N/A.

## Cap, Hardface, MicroFleece, Cold Weather



### **OVERVIEW**

The Cap, Hardface, MicroFleece, Cold Weather is intended for wear by Marines in mountainous and cold weather environments. It will provide improved wind resistance, durability and water repellency when worn in cold weather environments. It replaces the current fleece cap being issued from Consolidated Issue Facilities.

### **FEATURES**

- The sizing has been adjusted to improve the fit. The cap will be available in two sizes – Small/Medium and Large/X-Large.
- The cap is coyote in color and the material is 95% polyester and 5% spandex (Polartec Wind Pro Hardface Fleece), which provides wind resistance, moisture wicking, and water repellency.

### **FIELDING AND LOGISTICS**

A/O: 206,000

ID No: TBD

TAMCN: C10552F

NSN: Cap – Sm/Med – 8415-01-554-9623

LG/X-LG – 8415-01-554-9632

### **PRODUCTION**

Peckham Inc., Lansing, MI.

### **MANUALS**

N/A.

# USMC Extreme Cold Weather (ECW) Mitten System



## OVERVIEW

The Program Office has developed an Extreme Cold Weather (ECW) Mitten System that is comprised of a mitten shell with two removable mitten liners, and a flame resistant light duty glove insert to provide improved environmental protection as compared to the current trigger finger mitten.

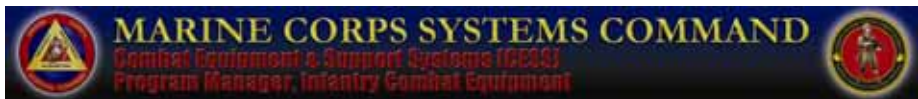
## FEATURES

- The mitten shell is constructed from coyote colored nylon and has a water repellent leather palm.
- The mitten shell is insulated with an elastic wristband and a long gauntlet that extends up the forearm and is tightened to the arm with adjustable cord and barrel lock.
- The mitten liners are water repellant and attach to the inside of the shell by hook and loop tabs and have a no slip grip.
- The light duty glove insert is flame resistant and made from a water repellant treated knit- ted nomex/lycra blend with grip dots covering the finger and palm.

## FIELDING AND LOGISTICS

| ECW MITTEN SYSTEM ITEM  | A/O    | TAMCN   | ID NO. | NATIONAL STOCK NUMBER |
|-------------------------|--------|---------|--------|-----------------------|
| Mitten shell            | 35,000 | V42802F | TBD    | 8415-01-555-4183      |
| Mitten Liners           | 75,000 | TBD     | TBD    | TBD                   |
| Light Duty Glove Insert | 35,000 | TBD     | TBD    | 8415-01-555-4406      |





## **USMC Extreme Cold Weather (ECW) Mitten System**

### **PRODUCTION**

Mitten Shell & Mitten Liner, Outdoor Research, Inc., Seattle, WA.

Light Duty Glove Insert, Danalco, Duarte, CA.

### **MANUALS**

N/A.

## Rugged All Terrain Boot



### **OVERVIEW**

The Rugged All Terrain Boot allows Marines to traverse snow and ice covered terrain.

### **FEATURES**

- The boot is designed to support a Marine's body weight and 100 pounds of gear.
- When worn with insulated boot socks, the Rugged All Terrain Boot will protect a Marine's feet from the cold when the temperature is 20 degrees Fahrenheit. In development is a Rugged All Terrain Boot over-boot with liner that when worn with the insulated boot sock, will protect a Marine's feet from the cold in -35 degree temperatures.
- The leather toe cap provides the ability to kick steps in snow and ice.

### **FIELDING AND LOGISTICS**

A/O: 35,000  
ID No: TBD

TAMCN: TBD  
LEAD NSN: TBD

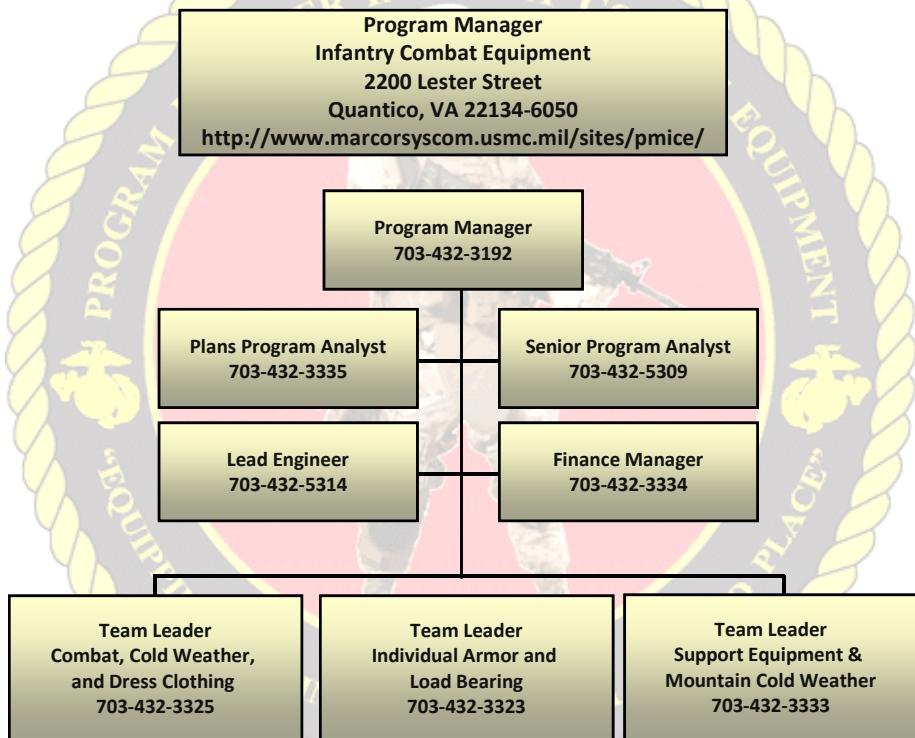
### **PRODUCTION**

Danner Footwear, LaCrosse, WI.

### **MANUALS**

N/A.

## PM ICE Organization





**Program Manager, Infantry  
Combat Equipment**

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