



MARINE CORPS SYSTEMS COMMAND

Combat Equipment & Support Systems (CESS)
Program Manager, Infantry Combat Equipment



USMC Extreme Cold Weather (ECW)

Mitten System



From left to right: removable mitten liner; mitten shell, light duty glove insert (FR).

Requirement

USMC Cold Weather ORD NO LOG 42.4 w/chg 1, 2, 3.

Overview

The Marine Corps has developed an Extreme Cold Weather (ECW) Mitten System including a Mitten Shell with Removable Liner and Light Duty Glove Insert (LDGI), which will provide improved environmental protection over USMC's previous mitt, the insulated trigger finger mitt. Approximately 4,000 mitten systems were produced to begin an extensive field evaluation in FY07 to Marines receiving cold weather training at the Mountain Warfare Training Center (MWTC), as well as to Marines at Elmendorf AFB in Alaska. Approximately 200 systems were issued and tested. The remaining quantities went towards the initial AO.

Features

- The mitten shell is constructed from waterproof coyote colored nylon and has a water repellent (WR) leather palm.
- The mitten shell has an elasticized wrist, a long gauntlet that extends up the forearm with an adjustable cord and barrel lock.
- The black removable insulated liner is also WR.
- The inside liner attaches to the inside of the shell by hook and loop tabs, and has a no slip grip.
- The glove insert is FR and made from a water repellent treated knitted nomex/lycra blend with grip dots covering the fingers and palm. It is a 2-ply version of the contact glove that was field tested with the mitten system.

Fielding Status

Initial AO: 20,000*

Complete AO: 35,000*

*Note: Qty's are doubled for Glove Insert, issued 2 per

	ECW MITTEN SET (consists of 1 Shell with 2 Liners)	LIGHT DUTY GLOVE INSERT (Issued 2 per)
Total Qty After Initial GSA Buy	16,598	31,180

ADDITIONAL DELIVERIES COMPLETED IN FY09					
	I MEF	II MEF	III MEF	BARSTOW	MWTC
MITTEN (shell & liner)	1,092	1,130	599	866	76
ADDITIONAL LINER	1,072	1,110	592	852	73
LDGI	2,542	2,636	1,325	1,991	148

TOTAL SHIPPED TO DATE: 16,874 - Mitten Set; 16,810 - Additional Liner; 38,835 - LDGI

Training

N/A

Supply/Logistics

Mitten shell:

TAMCN: TBD

ID No: TBD

Mitten liners:

TAMCN: TBD

ID No: TBD

Light Duty Glove Insert:

TAMCN: TBD

ID No: TBD

Nomenclature	NSN
Mitten Shell, SM	8415-01-555-4165
Mitten Shell, MD	8415-01-555-4174
Mitten Shell, LG	8415-01-555-4183
Mitten Shell, XL	8415-01-555-4188
Mitten Liners, SM	TBD
Mitten Liners, MD	TBD
Mitten Liners, LG	TBD
Mitten Liners, XL	TBD
Glove Insert, SM/MD	8415-01-555-4406
Glove Insert, LG/XL	8415-01-555-4410

Production

Initial AO quantities procured via GSA. Incremental deliveries of the mitten began in Sep 07 and were completed in Jan 08; the glove insert began shipping in Jan 08 and was completed in Apr 08. Follow-on sustainment quantity shipments began in Oct 08 through Nov 08 (LDGI), and Nov 08 to Jan 09 (ECW Mitten/Liner) which were procured via a GSA contract through Natick.

Vendor: GSA Advantage Purchase

Manufacturer: Outdoor Research (ECW Mitten/Liner); Danalco (Glove Insert)

Manuals

USMC Cold Weather ORD NO LOG 42.4 w/ chg 1, 2, 3

USMC Initial Capabilities Document for Mountain /Cold Weather Clothing and Equipment dtd 26 Oct 97

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