



# MARINE CORPS SYSTEMS COMMAND

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



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



### Requirement

MNS Log 42 Marine Enhancement Program dtd 22 Sep 93  
ORD Log 42.9 Family of Body Armor w/chg7 dtd 15 Mar 06

### Overview

The Enhanced Side-SAPI or (Enhanced S-SAPI) is an integral part of the Family of Body Armor (FBA). It provides an increased area of coverage to the Flank torso of the Marine by integrating into the side of the Outer Tactical Vest (OTV), Modular Tactical Vest (MTV), and the Scalable Plate Carrier (SPC). It is issued to deploying forces only.

The MTV, OTV, and SPC contain soft body armor that provides protection from fragmentation and 9mm projectiles. The Enhanced S-SAPI plates are used in addition to the vest's soft armor inserts and provide additional protection from rifle-fired threats (5.56mm and 7.62mm APM2).

The Enhanced S-SAPI plates consist of a boron carbide ceramic plate backed by multiple layers of a non-woven fabric film called a spectra shield. The spectra shield prolongs plate life, minimizes spall, and reduces backface deformation in the event of a ballistic impact. Two E-SAPI plates and two Enhanced S-SAPI plates are issued per Marine.

### Features

- Contoured to fit the individual
- All plates are 6" x 8"
- Provide the same protection as E-SAPI plates

### Fielding Status

Unit	A/O	Qty Fielded	%Fielded
I MEF	22,500	37,770	168%
II MEF	24,498	44,173	161%
III MEF	10,002	10,614	106%
MARFORES	0	6,400	62%
Spt Est.	0	4,349	14%
<b>Total</b>	<b>60,000</b>	<b>103,903</b>	<b>173%</b>
Unit of issue (sets)			

MCCDC is currently reviewing the AAO of 60,000 sets established in the June 08 ACOE. Concurrently, MCSC is conducting a sustainment evaluation.

### Training

Enhanced S-SAPI training is being conducted during Mojave Viper training. Additionally, a web-based training video is planned to augment training.

### Supply/Logistics

TAMCN: C00152  
ID No: 1125A  
NSN: 8470-01-535-9876

Available for issue at the CIF.

### Production

Vendors include:  
Ceradyne, Costa Mesa, CA  
Diamondback Tactical, Glendale, AZ  
Armor Holdings Phoenix, AZ  
ArmorWorks, Tempe, AZ

### Manuals

Enhanced S-SAPI Carrier  
<https://pubs.ala.usmc.mil/pubs2/50010913100.pdf>  
SAPI Side Pouch  
<https://pubs.ala.usmc.mil/pubs2/50010913200.pdf>

### Project Officer

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