



# MARINE CORPS SYSTEMS COMMAND

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



## Enhanced Small Arms Protective Insert (ESAPI)



### 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 Family of Body Armor (FBA) is comprised of the Enhanced Small Arms Protective Insert (ESAPI), Side Small Arms Protective Insert (S-SAPI), and the Outer Tactical Vest (OTV). The term 'Interceptor' refers to the OTV and ESAPI plates.

The MTV/OTV alone provides fragmentation and 9mm bullet protection. ESAPI plates, when used in conjunction with the vest's soft armor inserts, upgraded the MTV/OTV to provide additional protection from rifle-fired threats. The ESAPI plates consist of a ceramic plate backed by multiple layers of a non-woven fabric film. The combination of materials produces a plate that can defeat rifle-fired (5.56mm and 7.62mm) rounds while minimizing back face deformation. A protective covering prolongs plate life and minimizes spall in the event of a ballistic impact. Two ESAPI plates are issued per Marine.

### Fielding Status

The Concept for Employment for the E-SAPI has reduced the AO to 120,000 from the original 207,000 fielded. The Enterprise has adequate E-SAPI to support current operations.

### Features

- Consist of a ceramic/composite outer strike face with a laminated composite backing and covered with a rubber/plastic/nylon fabric durability cover
- Removable, which allows:
  - Commanders to increase/decrease protection based on mission
  - Easy repair and cleaning of the MTV/OTV
  - Technology updates
- Contoured to fit the individual and allow for interchange between the front and back of the MTV/OTV
- Cover vital organs of the individual

### Training

Training is conducted at Marine Corps Recruit Depot (MCRD), School of Infantry (SOI), Officer Candidates School (OCS), and by unit leaders.

### Supply/Logistics

TAMCN:C3020

ID No: 10913A

NSNs:

| Nomenclature | NSN              |
|--------------|------------------|
| XS ESAPI     | 8470-01-520-7360 |
| S ESAPI      | 8470-01-520-7370 |
| M ESAPI      | 8470-01-520-7373 |
| L ESAPI      | 8470-01-520-7385 |
| XL ESAPI     | 8470-01-520-7382 |

### Production

Vendors include:

ArmorWorks in Tempe, AZ

Simula in Phoenix, AZ

Ceradyne in Costa Mesa, CA

Monthly production began in Sep 2005. Full Operational Capability (FOC) was reached with the change in the ACOE an enterprise requirement of 60,000 sets.

### Manuals

User Logistic Support Summary: ULSS 002004-15 Small Arms Protective Insert (PCN 132 13210913000)

Use and Care Manual: TM 10647A-12 Outer Tactical Vest (OTV) and Small Arms Protective Insert (SAPI) (PCN: 50010647000) Located at

<https://pubs.ala.usmc.mil/pcnsearch.asp>