



MARINE CORPS SYSTEMS COMMAND

EQUIPPING THE WARFIGHTER TO WIN



Body Armor



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Current Ballistic Protection for Marines ("Service-Common" Conventional Ground Combat Element)

Modular Tactical Vest (MTV)



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

Enhanced Small Arms Protective Inserts (E-SAPI) Front/Back Plate



Scalable Plate Carrier (SPC)





Near Term Ballistic Protection for Marines ("Service-Common" Conventional Ground Combat Element)

Improved Modular
Tactical
Vest (IMTV)



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

E-SAPI
Front/Back
Plate

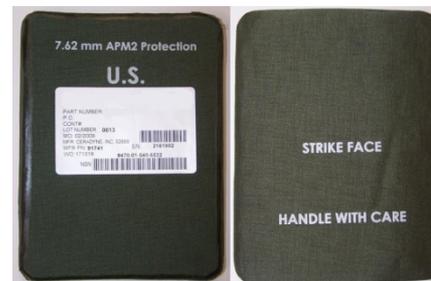


USMC Plate
Carrier
(USMC PC)



Full Spectrum Battle Equipment (FSBE) ("Non-Service-Common" Special Mission Units)

Combat
Integrated
Releasable
Assault System
(CIRAS)



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

E-SAPI
Front/Back
Plate



Maritime Ballistic
Survival System
(MBSS) Plate
Carrier





MARADMIN 415/09 Armor Protection Levels (APLs)

APL	Description
0	No Body Armor
1	Vest or Plate Carrier w/ Soft Armor Only
2	Vest or Plate Carrier w/ Front & Back Hard Armor Plates
3	Vest or Plate Carrier w/ Front, Back & Side Hard Armor Plates





Future (Near Term)

- Body Armor System for Combat Vehicle Crewmen (BASC)
- Concealable Armor
- Event analysis to develop better personal protective equipment
 - Incident data + Injury data + PE analysis
- Non-destructive testing
- Flame Resistant materials
- R&D Focused Challenges
 - Lightening the Load within the existing requirement
 - Increasing level of protection and area of coverage while reducing (or at least not increasing) weight
 - Lighter, stronger, more flexible body armor
 - Improved load distribution



Future (Longer Term)

- Next generation tactical vest
- Potential for Plate Carrier complementing vests
- R&D Focused Challenges
 - Lightening the Load
 - Increasing level of protection and area of coverage while reducing (or at least maintaining) weight
 - Lighter, stronger, more flexible body armor
 - Improved load distribution
 - Seeking complex technical solutions that require very little user training
 - Passive cooling system/ technology



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Questions?



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PM ICE Website

<http://www.marcorsyscom.usmc.mil/sites/pmice/>

MARINE CORPS SYSTEMS COMMAND
Combat Equipment & Support Systems (CESS)
Program Manager, Infantry Combat Equipment

PROGRAM MANAGER INFANTRY COMBAT EQUIPMENT FIELDS, SUSTAINS, AND ASSESSES CLOTHING AND EQUIPMENT WHILE ANTICIPATING THE NEEDS OF AND MAINTAINING CONTACT WITH THE OPERATING FORCES IN ORDER TO ENHANCE THE PERFORMANCE, CAPABILITY, SURVIVABILITY, MOBILITY, AND SUSTAINABILITY OF MARINES.

HOME | ARMOR & LOAD BEARING EQUIPMENT | COMBAT & DRESS CLOTHING | SUPPORT EQUIPMENT | OPERATIONS
| EQUIPMENT COMING SOON | INDUSTRY INFORMATION | LINKS | NEW EQUIPMENT TRAINING TEAM | POINTS OF CONTACT

ITEMS OF INTEREST:
MTV TRAINING GUIDES: PERIOD OF INSTRUCTION | INSTRUCTION CARD | COMMERCIAL MANUAL | REQUEST TRAINING | COMPONENT LIST
| REFERENCE INFORMATION | MARINE ENHANCEMENT PROGRAM | STAP CATALOG [ITEMS IN RED FONT ARE OBSOLETE] | BATTLEBOOK | TRIFOLD

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