



Advance Planning Brief to Industry

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Body Armor



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Current Ballistic Protection for Marines



Modular Tactical Vest (MTV)



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

E-SAPI Front/Back Plate



Scalable Plate Carrier



Armor Protection Levels (APL) Based on Mission and Threat



APL Level	Armor Worn	Threat / Capability	Mobility	Approx. Weight (lbs)*
0	MTV/OTV Only	Indirect Fire (IF) Torso only	Excellent	9.5
I	Adds Front/Back E-SAPI Plates	Limited Direct Fire (DF) Torso	Good	20
II	Adds Enhanced Side-SAPI Plates	Full Torso DF Coverage	Fair	27
III	Adds Upper Arm/Leg Protection	Adds IF to Upper Arms/Legs	Limited	33
IV	Adds Lower Arm/Leg Protection	Adds IF to Entire Arms/Legs	Poor	37

* Weights are for body armor only (not including helmet) for a Medium sized Marine. Body armor weight increases with size.



Future



- Next generation tactical vest
- Concealable Armor
- Joint X-SAPI effort with the U.S. Army
- Embedded sensors in armor plates
- Event analysis to develop better personal protective equipment
 - Incident data + Injury data + PE analysis
- 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



PM ICE Website



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



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.

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ITEMS OF INTEREST:
[MTV TRAINING GUIDES: PERIOD OF INSTRUCTION](#) | [INSTRUCTION CARD](#) | [COMMERCIAL MANUAL](#) | [REQUEST TRAINING](#) | [COMPONENT LIST](#)
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Questions??

