



PROGRAM EXECUTIVE OFFICE SOLDIER

THE BEST  
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# Interceptor Body Armor

Advanced Planning Brief for Industry

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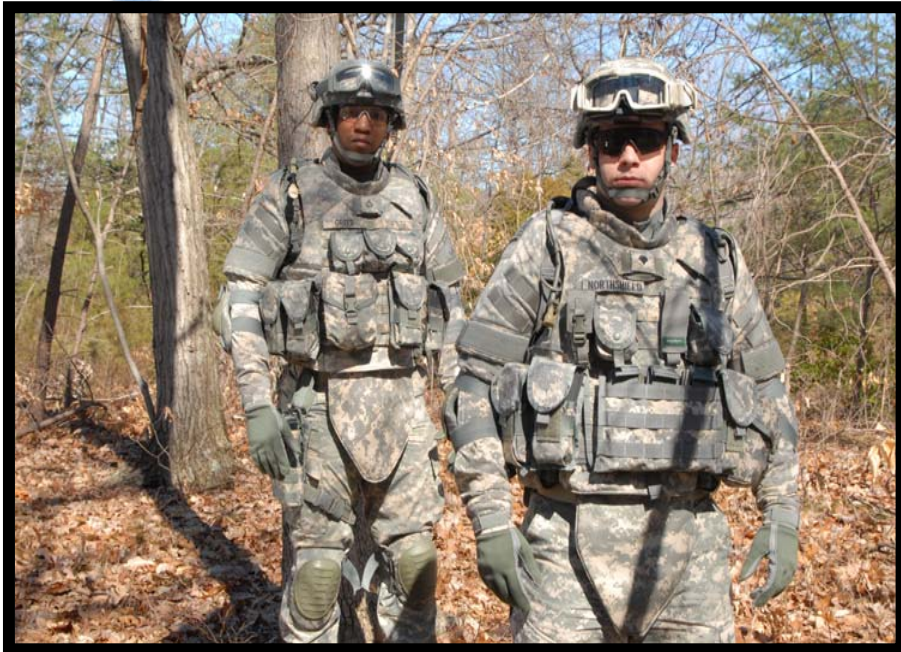
# Briefing Topics



- IBA Description
- Evolution of Body Armor
- IBA Capability Enhancements
- Future Focus Areas
- Soldier Protection Demonstration (SPD) V
  - SPD V—Combat Vehicle Crewman (CVC) Mounted Body Armor System (MBAS)



# Interceptor Body Armor



## System Description:

- IBA: Combines an Outer Tactical Vest (IOTV/OTV) with two (2) Enhanced Small Arms Protective Inserts (ESAPI), two (2) Enhanced Side Ballistic Protection (ESBI) and Deltoid Axillary Protection Systems (DAPS).
- IOTV: Replaces OTV and DAP. Side opening vest, increased area of coverage, decreased weight, emergency quick release: 11 sizes

## Capabilities:

- OTV, IOTV & DAP – Fragmentation and 9mm protective
- ESAPI & ESBI – 7.62mm (M-80 Ball), 7.62 LPS, 5.56 (M855) and 7.62 APM2 protective

## Objective:

- To improve the Soldier's survivability

## BOI:

- One (1) complete IBA ensemble per Soldier
- Army Acquisition Objective is 966,000 Systems





# Evolution of Body Armor



**Vietnam Era**



**Military Flak Vest**

**Post Vietnam Era  
Through 1999**



**Personnel Armor System  
Ground Troops (PASGT) Vest**

**1996**



**Interim Small Arms  
Protective Overvest**

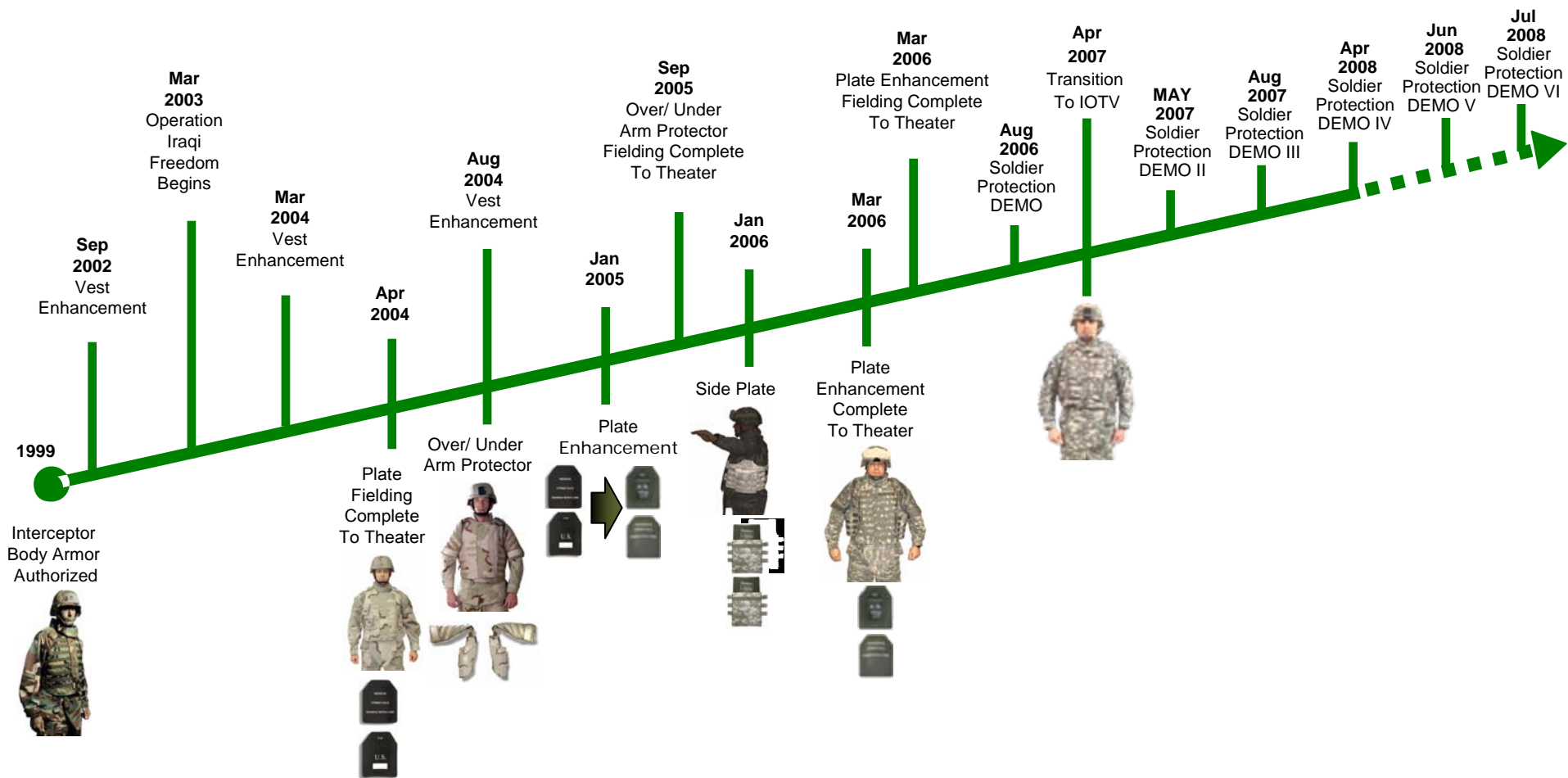
**Today**



**Interceptor Body Armor**



# Interceptor Body Armor (Capability Enhancements)



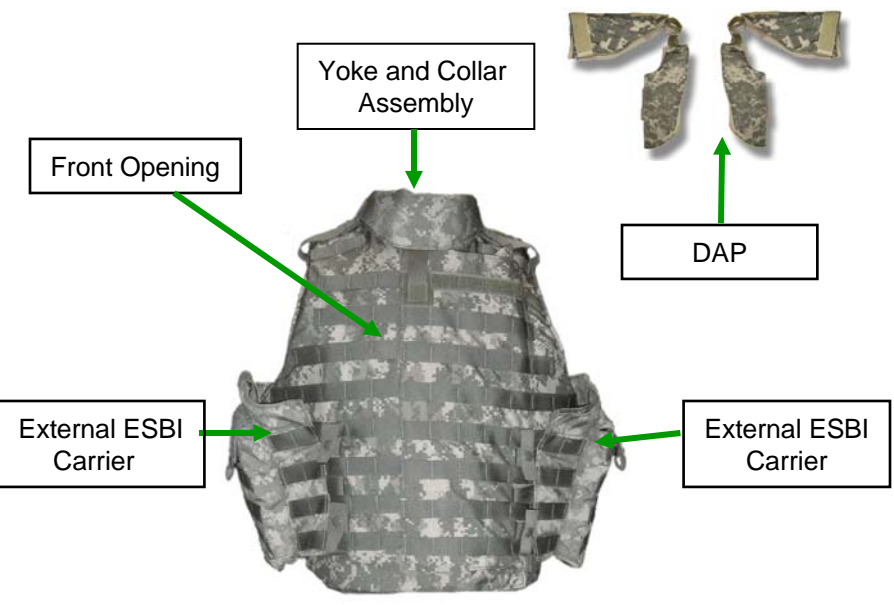
The Army Continually Improves Soldier Protection



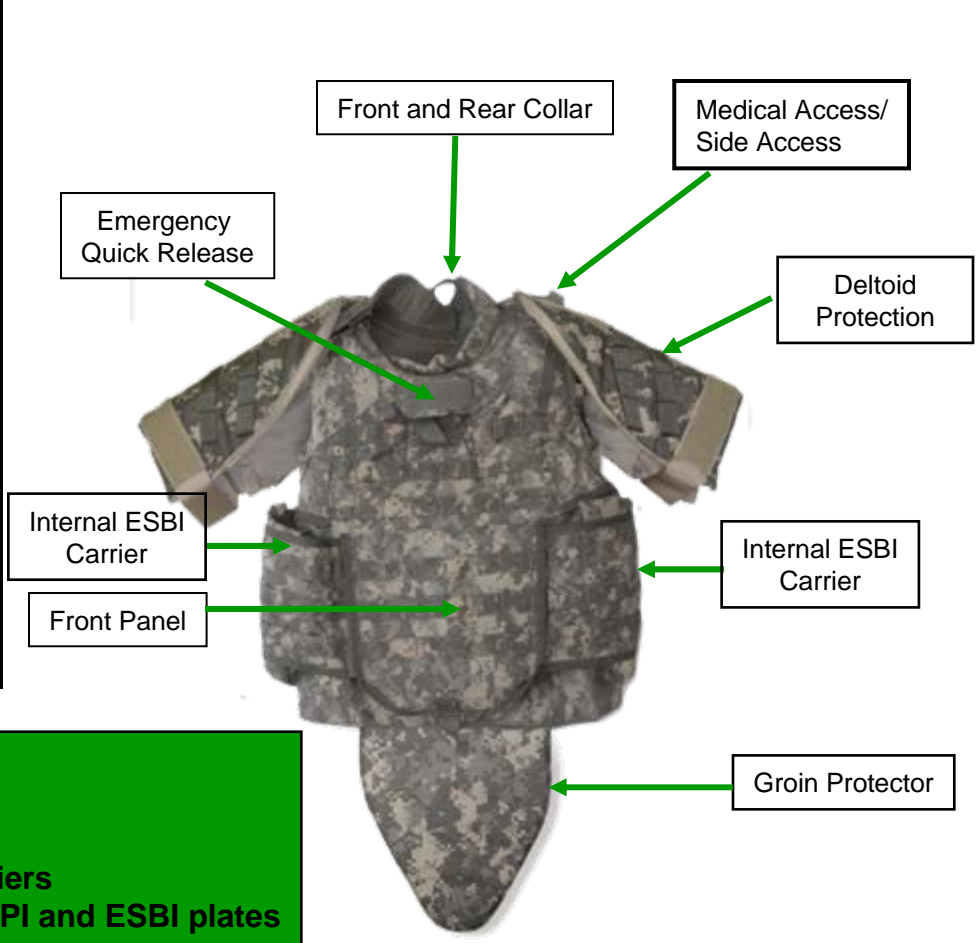
# OTV-vs-IOTV



## Outer Tactical Vest (OTV)



## Improved Outer Tactical Vest (IOTV)



- Reduce weight by 3+ lbs
- Improved weight distribution
- Emergency Quick Release
- Additional sizes for taller Soldiers
- Compatible with existing E-SAPI and ESBI plates
- UCP Printed Webbing



# Future Focus Areas



- Improved Ballistics
  - Decreased Aerial Density
  - Protection against Increased Threats
  - Increased Area of Coverage (AoC)
- Modular / Scalable
  - Providing different levels of protection based on threat level
  - Body Armor Kit allowing Soldiers to tailor the amount of protection (mission/threat dependent)
- Improved Weight Distribution



# Soldier Protection Demonstration (SPD) V



**Combat Vehicle Crewman (CVC)**

**Modular Body Armor System (MBAS)**

June 16-27 2008

## ▪ **Participants include:**

- PM SSV
- USMC
- US Armor Center (Ft Knox)
- US Combined Arms Support Command (CASCOM) (Ft Lee)
- US Maneuver Center (MANSCEN) Ft. Leonard Wood
- Natick

## ▪ **Purpose:**

- Assist in determining body armor system that satisfies the needs of Combat Vehicle Crewman (CVC)
- Address Mounted Soldier System (MSS) requirements

## ▪ **Why**

- Assess body armor system(s) (and/or system characteristics) which are more conducive to the duties and functions of mounted Combat Vehicle Crewman, without any degradation to the capabilities present in today's ballistic protection systems.



# Meeting The Warfighters' Requirements



**Saving Lives Every Day**