

Interceptor Body Armor (IBA)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Increases warfighter lethality and mobility by optimizing Soldier protection while effectively managing all lifecycle aspects of personal protection equipment.

DESCRIPTION

The U.S. Army’s Interceptor Body Armor (IBA) offers highly effective ballistic protection to Soldiers. The system includes two types of “soft armor”: The Improved Outer Tactical Vest (IOTV), with mission tailored protective attachments, protects the neck, shoulders, groin, and lower back; and the Soldier Plate Carrier System (SPCS) offers decreased coverage area in order to increase Soldier mobility in various terrain conditions.

Two hard armor plate systems are available for use with the IOTV and SPCS: the Enhanced Small Arms Protective Inserts (ESAPI) and Enhanced Side Ballistic Inserts (ESBI); and the X Small Arms Protective Inserts (XSPI) and X Side Ballistic Inserts (XSBI). Both systems provide classified, multi-hit protection

against numerous stressing threats. The IOTV base vest (size medium) weighs 9.86 pounds. The IOTV with yoke and collar ensemble, groin, and lower back components weighs 15.09 pounds. All components provide robust fragmentation and 9mm protection. The total system with all components weighs 31.09 pounds (size medium). The IOTV is produced in 11 sizes to accommodate every Soldier in the Army.

ESAPI and XSAPI are produced in five sizes. ESBI and XSBI are produced in one size. Attachable throat, groin, shoulder, and lower back protectors increase fragmentation and 9mm protection. Webbing attachment loops on the vest accommodate Modular Lightweight Load-Carrying Equipment (MOLLE). A medical access panel on the IOTV allows for treatment to vital areas while a quick release mechanism on both systems allows for rapid doffing during emergency situations.

The complete IOTV system provides 1,085 square inches of fragmentation and 9mm handgun protection. The SPCS (size medium) provides 456 square inches of ballistic protection.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **Current:** In sustainment, production, and being fielded
- **FY12:** Fielded 212,318 IOTV; 84,000 SPCS; 320,000 XSAPI; 320,000 XSBI

PROJECTED ACTIVITIES

- **2QFY13-1QFY15:** Continue fielding

ACQUISITION PHASE

Technology Development	Engineering & Manufacturing Development	Production & Deployment	Operations & Support
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Interceptor Body Armor (IBA)

FOREIGN MILITARY SALES

None

CONTRACTORS

IOTV:

Carter Enterprises, LLC (Brooklyn, NY)

XSAPI, ESAPI:

Ceradyne, Inc. (Costa Mesa, CA)

IOTV, ESAPI, XSAPI:

BAE Systems (Phoenix, AZ)

SPCS:

KDH Defense Systems (Johnstown, PA)

