

Objective Individual Combat Weapon (OICW)



MISSION

Provide the infantry soldier with a decisive overmatch capability by developing the next-generation weapon system that will dramatically increase lethality, range and capability through the use of high explosive air-burst ammunition.

DESCRIPTION AND SPECIFICATIONS

The Objective Individual Combat Weapon (OICW) will replace selected M16 rifles and M4 carbines. The modular, dual-barrel OICW will combine the lethality of 20mm air-bursting munitions, 5.56mm NATO ammunition, with a full-solution fire control to affect decisively violent and suppressive target effects and to greatly improve small arms performance. This fire control will incorporate a laser rangefinder, ballistic computer, direct view optics, video sight, electronic compass, thermal capability and a target tracker.

The OICW's high explosive air bursting munitions will be capable of defeating not only exposed targets, but those in defilade (targets that have taken cover behind structures, terrain features and/or vehicles), a capability lacking in current rifles and carbines. The OICW will provide an overmatch in system effectiveness while increasing the versatility and survivability of the soldier by:

- Doubling the infantryman's stand-off range to 1,000 meters;
- Providing effective day/night operation; and
- Providing significant improvements in lethality and target effects (probability of incapacitation and suppression).

The OICW will be fully compatible with the digital battlefield and will provide the lethality upgrade for the Land Warrior.

FOREIGN COUNTERPART

No known foreign counterpart

FOREIGN MILITARY SALES

None

PROGRAM STATUS

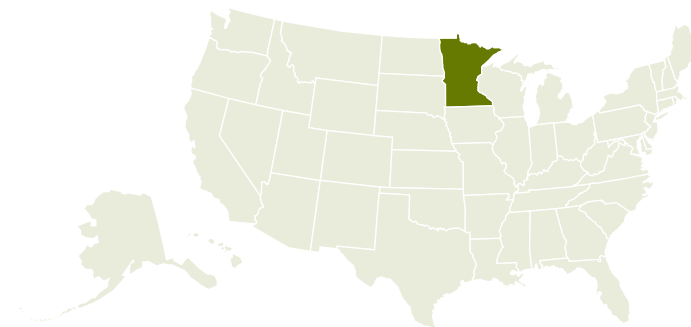
- **FY00** The U.S. Government joint service and user team and the contractor team led by Alliant Techsystems completed the OICW Advanced Technology Demonstration (ATD). The ATD successfully demonstrated the concept and highlighted areas of risk.
- **2QFY00** A Milestone I decision was made and the OICW Program transitioned to the Office of Product Manager, Small Arms (OPMSA).
- **3QFY00** A program definition and risk reduction (PDRR) effort was initiated under OPMSA management and a PDRR contract was awarded.

PROJECTED ACTIVITIES

- **FY01–05** Implement PDRR phase, which will utilize simulation and modeling for acquisition, requirements and training (SMART), as well as building prototype hardware to produce and test a near-final design of the OICW to meet user requirements for the PDRR exit criteria.
- **2QFY02** A major in-process-review is scheduled to review design trade-offs and establish the weapon system architecture.
- **FY05–08** Engineering and manufacturing development.
- **FY09** First unit equipped.

PRIME CONTRACTORS

Alliant Techsystems (Hopkins, MN)



* See appendix for list of subcontractors

