

Integrated Defense Systems
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Arrow

Description & Purpose:

The Arrow weapon system is a ground-based, ballistic missile defense system designed to protect Israel against ballistic missiles. The Arrow system uses a two-stage interceptor, called the Arrow II, to destroy an incoming target with a fragmentation warhead. Other system elements are a launch control center, a fire-control radar and a battle management center.



Customer:

Boeing and Israel Aerospace Industries (IAI) co-produce the Arrow II interceptor for the Israel Ministry of Defense. Boeing is responsible for production of about 35 percent of the Arrow interceptor components. IAI, the prime contractor of the Arrow system, is responsible for system integration and final interceptor assembly in Israel. Boeing production and management are in Huntsville, Ala.

Background:

Israel Ministry of Defense in cooperation with the U.S. Missile Defense Agency conducted a successful flight test of the first co-produced Arrow II interceptor in February 2007. And in March 2007, the second successful flight test of a co-produced Arrow II interceptor took place.

The first co-produced Arrow II interceptor was delivered by IAI to the Israeli Ministry of Defense in the spring of 2005.

In March 2004, a \$78 million production contract was awarded by IAI to Boeing. The contract, effective Jan. 1, 2004, runs through 2006 with options for additional production through second quarter 2008. The total contract value could exceed \$225 million if all options are exercised. Boeing delivered the first components to IAI in 2004.

In February 2003, Boeing and IAI signed a pre-production contract, valued at over \$25 million for FY03 and FY04, to establish production facilities and to validate processes and equipment to prepare for production.

Miscellaneous:

Boeing is responsible for major components and subsystems of the Arrow II interceptor. This includes the Section II electronics assembly (i.e., part of the kill vehicle), radome,

canister assembly that houses the interceptor, electrical subsystems and numerous other lower level assemblies. Major suppliers are: Alliant-Techsystems (ATK), Iuka, Miss., and Clearfield, Utah; Manes Machine, Ft. Collins, Colo.; Ceradyne Thermo Materials, Scottsdale, Ga.; and Sanmina SCI, Huntsville, Ala.

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