

SL-AMRAAM

Family of Launchers



SL-AMRAAM provides the warfighter with a wide array of launcher options to support any mission need.

Benefits

- Selected by the U.S. Army and the U.S. Marine Corps as the joint, common launcher for the SL-AMRAAM and CLAWS programs
- HMMWV variant is C-130 drive-on/drive-off
- Dispersed, netted and distributed launchers
- Common launch platform adaptable to multiple vehicle- or surface-mount options
- Up to six ready-to-fire AMRAAM missiles per launcher
- Fully compatible with all variants of the family of SL-AMRAAM Fire Distribution Centers

The Surface-Launched Advanced Medium-Range Air-to-Air Missile (AMRAAM) family of launchers combines the combat proven AMRAAM missile with a flexible, adaptable launch platform. This combination provides the warfighter with high-firepower, non-line-of-sight (NLOS) operator fire-and-forget capability. When combined with a fire control quality sensor and our SL-AMRAAM Fire Distribution Center (FDC), the SL-AMRAAM system defeats cruise missiles, unmanned aerial vehicles and tactical aircraft that threaten forward maneuver forces, critical assets or vital areas.

All launchers employ a common set of modular missile support hardware and missile interface electronics. This allows easy adaptation to different mobility, deployability and mission require-

ments, while maintaining commonality of major components. This commonality reduces logistics and maintenance requirements, life-cycle costs and unique training needs.

Simplified operator functions, reduced maintenance tasks and high reliability are the hallmarks of the launcher design. The launcher supports both local and remote control of engagements. Launchers can be deployed at a single location or widely dispersed across a netted and distributed battlefield. With the ability to emplace and fire in less than 60 seconds, the launcher provides complete air defense mission support in a mobile, fast-moving combat environment or a stationary, fixed asset defense design.

The SL-AMRAAM family of launchers provides a wide choice of highly effective, mobile missile launch

platforms. These launchers adapt to a wide range of user requirements to support operations in any tactical situation.



SL-AMRAAM Family of Launchers

HMMWV Launcher

The HMMWV-based launcher was first demonstrated in 1995 and has been refined and improved under the U.S. Marine Corps CLAWS program and the U.S. Army SL-AMRAAM program as a joint, common launcher. Designed for modularity and adaptability, this highly mobile launcher can be adapted to numerous vehicle and fixed facility platforms. Future growth paths include integration of complementary missiles such as the AIM-9X.



Designed for modularity and adaptability, this highly mobile launcher can be adapted to numerous vehicle and fixed facility platforms.



Proven AMRAAM lethality against cruise missile targets

NASAMS Launcher

Fielded in 1994, this trailer- or truck-based launcher design offers the same state-of-the-art electronics found throughout the family of launchers. It carries a missile load of six and also affords an increased level of environmental protection for the missiles.



Universal Launcher Demonstration — No Longer Available

First demonstrated in 1995, this modified HAWK digital launcher carried eight AMRAAM missiles. Initially designed as a convertible launcher able to fire HAWK or AMRAAM missiles, it proved too complex and expensive. Modification of HAWK launchers to fire AMRAAM will use the U.S. Army and Marine Corps joint common SL-AMRAAM launcher design to maximize effectiveness and commonality while reducing launcher costs.



Guy Shields
978.858.5246 phone
978.858.9414 fax
guy_shields@raytheon.com

Raytheon Company
Integrated Defense Systems
50 Apple Hill Drive
Tewksbury, Massachusetts
01876 USA

www.raytheon.com