



NASAMS Multi-Missile Launcher

- One Launcher - Different Missile Capabilities

The purpose of the NASAMS Multi-Missile Launcher is to transport, aim and fire missiles with different characteristics, all mounted on the same launch rail inside the protective canisters. One launcher (LCHR) permits rapid launching of up to six missiles against single or multiple airborne targets.

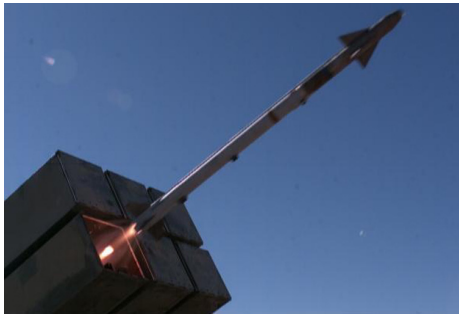
To date, the following missiles are tested with live rounds from the Multi-Missile Launcher:

- RIM-162 – ESSM
 - Semi-Active, can replace HAWK Missile
- AIM-120 AMRAAM
 - Active RF Missile
 - Baseline missile in NASAMS
- AIM-9-X Sidewinder
 - IR Missile

The low cost, robust, reliable and highly maneuverable LCHR provides 360°, all weather, day and night, missile launch capability. Under the remote control of the KONGSBERG Fire Distribution Center (FDC) command & control node, the LCHR facilitates rapid launching of missiles. It is the direct interface between the missiles and the FDC, transmitting target and guidance data before and during missile flight.

FEATURES

- Missile Mix – different capabilities
- Operational Flexibility
- 6 Ready-to-Fire Missiles
- Fielded and well-proven
- Effective ILS and Maintenance
- Reduced Life Cycle Cost
- Transported By Truck/Rail/Air/Sea



Introduction

The NASAMS Multi-Missile Launcher was originally developed to fire the standard AIM-120 AMRAAM missiles. Over the years, several types of missiles have been qualified to be fired from the LCHR, providing a unique operational flexibility in Air Defense missions.

One single LCHR can hold six (6) ready-to-fire missiles. Missiles may be fired at multiple targets simultaneously. In a battalion configuration comprising of up to 12 launchers and up to 72 missiles loaded, all missiles can be fired against individual targets in less than 15 seconds.

The LCHR is fielded by the Royal Norwegian Air Force (RNoAF), the Spanish Army, The Royal Netherlands Army and by the National Guard in the USA for defense of the National Capitol Region (Washington D.C.).

Proven and reliable

The NASAMS Multi-Missile Launcher is a well proven element, performing more than 100 live missile firings under various climatic conditions, desert, temperate, arctic, both in the USA, Norway, Spain and Sweden. The LCHR is currently supporting 24/7 operations and has proven to be extremely reliable, also during extreme weather conditions.

Experience through many years in use, low maintenance requirements, high availability and reliability, provides a low-risk and low life cycle cost solution.

Transportability

The LCHR is designed with transportability in mind. All elements are C-130 and helicopter transportable, can be transported by Break-bulk or Roll-On Roll-Off vessels and do not exceed the limits of the Bern Tunnel Profile.

The LCHR can be transported on different types of trucks. A hydraulic system is established on the LCHR, to load and off-load the LCHR from the truck and for proper emplacement. The system can be powered from either the generator or truck and can be operated semi-automatically or manually.



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