

Boeing Defense, Space & Security  
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## Harpoon Next Generation

### Description and Purpose:

Harpoon Next Generation more than doubles the range of the current Harpoon Block I and Block II missile while maintaining the same autonomous, all-weather, over-the-horizon capability to execute both land-strike and anti-ship missions. The 300-pound blast warhead delivers lethal firepower against a wide variety of land-based targets, including coastal defense sites, surface-to-air missile sites, exposed aircraft, port or industrial facilities and ships in port.



Harpoon Block II provides accurate long-range guidance for land and ship targets by incorporating the low-cost inertial measuring unit, mission computer and integrated Global Positioning System/Inertial Navigation System from the Boeing Joint Direct Attack Munition (JDAM) program and the software from the Standoff Land Attack Missile Expanded Response (SLAM ER).

The multi-mission Block II is deployable from all current Harpoon missile system platforms with either existing command and launch equipment or the commercially available Advanced Harpoon Weapon Control System (AHWCS).

### Background:

Boeing has delivered more than 7,500 Harpoon and Harpoon Block II missiles for the U.S. Navy and 29 international military customers. More than 600 ships, 180 submarines, 12 different types of aircraft, and several land-based launch vehicles carry Harpoon missiles. Boeing develops, builds, maintains and provides operational support for Harpoon at its St. Charles facility in St. Louis, Mo.

### General Characteristics:

<b>Length:</b>	182.2 in. ship launch, 151.5 in. air launch
<b>Diameter:</b>	13.5 in.
<b>Weight:</b>	1,160 lb. Air configuration

1,459 lb. ASROC configuration  
 1,520 lb. TARTAR configuration  
 1,523 lb. Capsule/canister configuration

**Range:** In excess of 67 NM

**Propulsion:** Air-breathing turbojet engine (cruise), solid-propellant booster

**Guidance:** Terminal: Active Radar Midcourse: GPS-aided inertial navigation

**Warhead:** Penetration, high-explosive blast

**System Elements:** Missile - Common for all launch platforms  
 Booster - For surface, sub and land based applications  
 Launch Support Structure and Canisters  
 Command and Launch System - Provides engagement planning and launch control

**Platforms:** Air, land, surface and sub-surface applications

**Ships:** Fast patrol boats, destroyers and frigates

**Aircraft:** F/A-18, F-15, F-16, F-27, F-50, P-8, P-3, S-3

**Submarines:** Wide range of classes with 9 foreign navies

**Coastal Defense:** Mobile Land Based Truck Platform

In July 2011, Boeing was awarded a firm-fixed-price contract for \$120 million by the U.S. Navy for the production of nearly 60 Lot 86 Harpoon missiles and associated hardware for the U.S. and six foreign militaries. The first Harpoon deliveries occurred in August 2011 and contract work ran through June 2012.

In June 2012, Boeing received a firm-fixed-price contract from Naval Air Systems Command for the production of nearly 90 Lot 87 Harpoon Block II missiles and associated hardware for the U.S. and four foreign militaries. The \$145.1 million contract also included exercise and test variants of the Standoff Land Attack Missile Expanded Response (SLAM ER). Contract work ran through December 2013.

In December 2013, Boeing received a \$71M firm fixed price contract to provide seventeen (17) Lot 88 Harpoon Block II missiles and associated hardware to the USN and ten (10) FMS countries. Thirteen (13) additional Harpoon Block II missiles are to be added in 2015. The contract will run through 31 Dec 2015.

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