

Hellfire Family of Missiles

Engages and defeats individual moving or stationary advanced-armor, mechanized or vehicular targets, patrol craft, buildings or bunkers while increasing aircraft survivability.

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



Description & Specifications

The Hellfire family of munitions, consisting of the AGM-114 A, C, F, K, L, M and N model missiles, provides air-to-ground precision strikes and is designed to defeat individual hard point targets. The Laser Hellfire (Hellfire II) comes with either a shaped charge warhead for defeating armor targets or a penetrating blast fragmentation warhead for defeating buildings and bunkers. It uses semi-active laser terminal guidance and is the primary anti-tank armament of the AH-64 Apache, OH-58 Kiowa Warrior, Armed Recon Helicopter, special operations aircraft, the U.S. Marine Corps' AH-1W Super Cobra Helicopters, and the Army's Warrior Unmanned Aerial System (UAS).

The Longbow Hellfire (L model—no longer in production) uses millimeter wave technology for terminal guidance. The Hellfire's ability to engage single or multiple targets directly or indirectly and to fire single, rapid, or

ripple (salvo) rounds gives combined arms forces a decisive battlefield advantage.

Longbow Hellfire:

Diameter: 7 inches; Weight: 108 pounds; Length: 69.2 inches; Range: 0.50 – 8.0 kilometers

Laser Hellfire (AGM-114K, M, and N models) and Longbow Hellfire incorporate many improvements over the basic Hellfire missile, including:

- Electro Optic Countermeasure Hardening
- Software-controlled digital seeker and autopilot electronics to adapt to changing threats and mission requirements
- Increased warhead lethality capable of defeating all projected armor threats into the 21st century

Laser Hellfire's semi-active laser precision guidance and Longbow Hellfire's fire-and-forget capability will provide the battlefield commander with

fast battlefield response and flexibility across a wide range of mission scenarios.

Laser Hellfire

Diameter: 7 inches; Weight: 100 pounds; Length: 64 inches; Range: 0.50–8.0 kilometers

Program Status

Laser Hellfire

- **4QFY04–3QFY06:** Completed FY03 production delivery
- **1QFY06:** Production deliveries; transition to production of AGM-114 variants
- **2QFY06–3QFY06:** Completed FY04 production delivery

Longbow Hellfire

- **3QFY04–4QFY06:** Completed final multi-year deliveries

Projected Activities

Longbow Hellfire

- Continue sustainment activities







ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

Production Awards	Characteristics	Performance	System Description
1990-1992	<ul style="list-style-type: none"> • Dual Warhead • SAL Seeker • Analog Autopilot 	<ul style="list-style-type: none"> • Reactive Armor • Non-EOCM Hardened • Not Programmable for Improved Performance 	<p><i>Interim (IHW) (AGM-114F)</i></p>  <p>Weight = 107 lbs Length = 71"</p>
1993-1997	<ul style="list-style-type: none"> • Robust Warheads • EOCM Hardened • SAL Seeker • Reprogrammable • 114K2 IM Warheads - Apr 97 	<ul style="list-style-type: none"> • Capable Against Predicted Early 21st Century Armor • 114K2A add Blast Frag sleeve 	<p><i>HELLFIRE II (AGM-114K, K2,</i></p>  <p>Weight = 100 lbs Length = 64"</p>
1996-	<ul style="list-style-type: none"> • Robust Warheads • RF Seeker • Reprogrammable 	<ul style="list-style-type: none"> • Capable Against Predicted Early 21st Century Armor • All Weather • Fire and Forget 	<p><i>Longbow (AGM-114L)</i></p>  <p>Weight = 108 lbs Length = 69"</p>
1999-	<ul style="list-style-type: none"> • IM Warhead • SAL Seeker • Reprogrammable 	<ul style="list-style-type: none"> • Steel/Masonry • Digital autopilot and electronics • Blast frag warhead with electronic S/A delay fuse 	<p><i>Blast Frag (AGM-114M)</i></p>  <p>Weight = 106 lbs Length = 64"</p>
2003	<ul style="list-style-type: none"> • MAC Warhead (Metal Augmented Charge) • No Precursor SC • Main Penetrating Blast Frag 	<ul style="list-style-type: none"> • Delay Fuzing • SAL Guidance • Urban Structures, Bunkers, Caves, Personnel 	<p><i>HELLFIRE II MAC (AGM-114N)</i></p>  <p>Weight = 106 lbs Length = 64"</p>
2008	<ul style="list-style-type: none"> • Robust Warheads • EOCM Hardened • SAL Seeker • Reprogrammable 	<ul style="list-style-type: none"> • Enhanced Software for UAV Engagements • Multiple warheads available • Backward Compatible on Current Force Platforms 	<p><i>HELLFIRE II - High Altitude(AGM-114)</i></p>  <p>Weight = 99 lbs Length = 64" Weight = 104 lbs w/ Steel Frag Sleeve Weight = 106 lbs (MAC/BF Warhead)</p>

Hellfire Family of Missiles

FOREIGN MILITARY SALES

Laser Hellfire:

Singapore, Israel, Kuwait, Netherlands, Greece, Egypt, Saudi Arabia, Taiwan, Australia, and Spain

Direct commercial sale: United Kingdom

Longbow Hellfire:

Singapore, Israel, Kuwait, and Japan

Direct commercial sale: United Kingdom

CONTRACTORS

Laser Hellfire Missile System, guidance section, sensor group:

HELLFIRE LLC (Orlando, FL)

Longbow Hellfire:

Longbow LLC (Orlando, FL)

