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

DESCRIPTION
The AGM-114 HELLFIRE Family of Missiles includes the HELLFIRE II and Longbow HELLFIRE missiles. HELLFIRE II is a precision strike, Semi-Active Laser (SAL) guided missile and is the principal air-to-ground weapon for the Army AH-64 Apache, OH-58 Kiowa Warrior, Gray Eagle Extended Range Multipurpose (ERMP) Unmanned Aircraft System (UAS), Special Operations aircraft, Marine Corps AH-1W Super Cobra, and Air Force’s Predator/Reaper UAS.

The SAL HELLFIRE II missile is guided by laser energy reflected off the target. It has three warhead variants: a dual warhead, shaped charge high-explosive anti-tank (HEAT) capability for armored targets (AGM-114K); a blast fragmentation warhead (BFWH) for urban, patrol boat and other “soft” targets (AGM-114M); and a metal augmented charge (MAC) warhead (AGM-114N) for urban structures, bunkers, radar sites, communications installations, and bridges. Beginning in 2012, a HELLFIRE multipurpose warhead variant (AGM-114R) will be available to the Warfighter that allows selection of warhead effects corresponding to a specific target type. The AGM-114R is capable of being launched from Army rotary-wing and UAS platforms and provides the pilot increased operational flexibility.

The Longbow HELLFIRE (AGM-114L) is also a precision strike missile using millimeter wave (MMW) radar guidance instead of the HELLFIRE II’s semi-active laser. It is the principal anti-tank system for the AH-64D Apache Longbow helicopter and uses the same anti-armor warhead as the HELLFIRE II. The MMW seeker provides beyond line-of-sight fire and forget capability, as well as the ability to operate in adverse weather and battlefield obscurants.

Diameter: 7 inches
Weight: 99.8-107 pounds
Length: 64-69 inches

Maximum range:
Direct fire: 7 kilometers
Indirect fire: 8 kilometers
Minimum range: .5-1.5 kilometers

SYSTEM INTERDEPENDENCIES
None

PROGRAM STATUS
• Current: Laser HELLFIRE II missiles are procured annually to replace combat expenditures and war reserve requirements

PROJECTED ACTIVITIES
Laser HELLFIRE
• Continue: In production
Longbow HELLFIRE
• Continue: Sustainment activities
**HELLFIRE Family of Missiles**

### FOREIGN MILITARY SALES

**Laser Hellfire:**
Australia, Egypt, France, Greece, Israel, Japan, Kuwait, Netherlands, Saudi Arabia, Singapore, Spain, Taiwan, Sweden, United Arab Emirates, and United Kingdom

**Direct commercial sale:**
United Kingdom, Norway, Netherlands, Saudi Arabia and Turkey

**Longbow Hellfire:**
Israel, Japan, Kuwait, Singapore, Taiwan, and United Arab Emirates

**Direct commercial sale:**
United Kingdom

### CONTRACTORS

**Prime Contractor:**
Lockheed Martin (Orlando, FL)

**Seeker:**
Lockheed Martin (Ocala, FL)

**Rocket Motor/Warhead:**
Alliant Techsystems (Rocket City, WV)

**Control Section:**
Moog Inc. (Salt Lake, UT)

**Firing Component (ESAF):**
L-3 Communications (Chicago, IL)

### System Description

<table>
<thead>
<tr>
<th>System Description</th>
<th>Production</th>
<th>Characteristics</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGM-114K/K2/K2A – HELLFIRE II</td>
<td>1993 – Until Complete</td>
<td>Tandem Warheads; Electronic Safe &amp; Arm Device; Digital Autopilot &amp; Electronics; Improved Performance Software</td>
<td>Capable Against 21st Century Armor; Hardened Against Countermeasures; K-2 adds Insensitive Munitions (IM); K-2A adds Blast-Frag Sleeve</td>
</tr>
<tr>
<td>AGM-114L – HELLFIRE LONGBOW</td>
<td>1995 – 2005</td>
<td>I tandem Warheads; Digital Autopilot &amp; Electronics; Millimeter-Wave (MMW) Seeker; IM Warheads</td>
<td>Initiate on Contact; Hardened Against Countermeasures; Programmable Software; All-Weather</td>
</tr>
<tr>
<td>AGM-114M – HELLFIRE II (Blast Frag)</td>
<td>1998 – 2010</td>
<td>Blast-Frag Warhead; 4 Operating Modes; Digital Autopilot &amp; Electronics; Delayed-Fuse Capability</td>
<td>For Buildings, Soft-Skin Vehicles; Optimized for Low Cloud Ceilings; Hardened Against Countermeasures; WH Penetrates Target Before Detonation</td>
</tr>
<tr>
<td>AGM-114N – HELLFIRE II (MAC)</td>
<td>2003 – Until Complete</td>
<td>Metal-Augmented Charge – Sustained Pressure Wave; 4 Operating Modes; Delayed-Fuse Capability</td>
<td>For Buildings, Soft-Skin Vehicles; Optimized for Low Cloud Ceilings; Hardened Against Countermeasures; WH Penetrates Target Before Detonation</td>
</tr>
<tr>
<td>AGM-114R – HELLFIRE II (Bridge to JAGM – RW/UAS)</td>
<td>2010 – Until Complete</td>
<td>Integrated Blast Frag Sleeve Warhead; Designed for all platforms; Health Monitoring</td>
<td>For all Target Sets; Increased Lethality and Engagement Envelope</td>
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</tbody>
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[Diagram showing the sections of the HELLFIRE missile: Guidance Section, Warhead Section, Propulsion Section, Control Section]