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 Missile 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 the 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 multi-purpose 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 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
<table>
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<tr>
<th>System Description</th>
<th>Production</th>
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• Non-Programmable                          |
| Weight = 45 kg                           |              | F has Tandem Warheads; Analog Autopilot                                        | • Reactive Armor Capable  
• Non-Programmable                          |
| Length = 163 cm                          |              |                                                                                |                                                                                                  |
| AGM-114K/K2/K2A – HELLFIRE II           | 1993 – until complete | Tandem Warheads  
Electronic Safe & Arm Device  
Digital Autopilot & Electronics  
Improved Performance Software         | • Capable Against 21st Century Armor  
• Hardened Against Countermeasures  
• K-2 adds Inert Munitions (IM)  
• K-2A adds Blast-Frag Sleeve     |
| Weight = 45 kg                           |              |                                                                                |                                                                                                  |
| Length = 163 cm                          |              |                                                                                |                                                                                                  |
Digital Autopilot & Electronics  
Millimeter-Wave (MMW) Seeker  
IM Warheads                            | • Initiate on Contact  
• Hardened Against Countermeasures  
• Programmable Software  
• All-Weather                         |
| Weight = 49 kg                           |              |                                                                                |                                                                                                  |
| Length = 183 cm                          |              |                                                                                |                                                                                                  |
| AGM-114M – HELLFIRE II (Blast Frag)     | 1998 – 2010  | Blast-Frag Warhead  
4 Operating Modes  
Digital Autopilot & Electronics  
Delayed-Fuse Capability                | • For Buildings, Soft-Skin Vehicles  
• Optimized for Low Cloud Ceilings  
• Hardened Against Countermeasures  
• WH Penetrates Target Before Detonation |
| Weight = 49 kg                           |              |                                                                                |                                                                                                  |
| Length = 183 cm                          |              |                                                                                |                                                                                                  |
| AGM-114N – HELLFIRE II (MAC)            | 2003 – until complete | Metal-Augmented Charge  
– Sustained Pressure Wave  
4 Operating Modes  
Delayed-Fuse Capability                | • For Buildings, Soft-Skin Vehicles  
• Optimized for Low Cloud Ceilings  
• Hardened Against Countermeasures  
• WH Penetrates Target Before Detonation |
| Weight = 49 kg                           |              |                                                                                |                                                                                                  |
| Length = 183 cm                          |              |                                                                                |                                                                                                  |
| AGM-114P/P+ – HELLFIRE II (for UAS)    | 2003 – 2012  | Shaped-Charge or Blast-Frag  
Designed for UAV Attitudes  
21st Century Armor Capability          | • P-2A adds Steel Frag Sleeve  
• P-2B adds Tantalum Frag Sleeve  
• P+ adds Enhanced IMU and SW Support, Many Customizations for Varying Battlefield |
| Weight = 49 kg                           |              |                                                                                |                                                                                                  |
| Length = 183 cm                          |              |                                                                                |                                                                                                  |
| AGM-114R – HELLFIRE II (Bridge to JAGM- RW/UAS) | 2012- until complete | Multi-purpose warhead  
Designed for all platforms  
Health Monitoring                        | • For all Target Sets  
• P+ capabilities  
• Increased Lethality and Engagement Envelope |
| Weight = 49 kg                           |              |                                                                                |                                                                                                  |
| Length = 183 cm                          |              |                                                                                |                                                                                                  |

**FOREIGN MILITARY SALES**

**Laser Hellfire:**
- Australia, Egypt, Greece, Israel, Kuwait, Netherlands, Saudi Arabia, Singapore, Spain, Taiwan
- Direct commercial sale: United Kingdom

**Longbow Hellfire:**
- Israel, Japan, Kuwait, Singapore
- Direct commercial sale: United Kingdom

**CONTRACTORS**
- Lockheed Martin (Troy, AL)
- L-3 Communications (Chicago, IL)
- Alliant Techsystems (Rocket City, WV)
- Moog Inc. (Salt Lake City, UT)
- Laser Hellfire Missile System, guidance section, sensor group: Hellfire LLC (Orlando, FL)
- Longbow Hellfire: Longbow LLC (Orlando, FL)