Northrop Grumman’s potential material solution to the U.S. Navy’s Advanced Anti-Radiation Guided Missile Extended Range (AARGM-ER) requirement.

Upgrade To AARGM

Fielded AGM-88E AARGM is a significant upgrade to legacy HARM:
- Provides full DEAD capability
- Autonomous detection, target ID and destruction of SAM systems
- Neutralizes emitter shutdown tactics and countermeasures

AARGM-ER is part of the AARGM capability evolution strategy:
- Utilizes existing AARGM sensors, electronics, and warhead
- Propulsion upgrade to extend range of baseline system
- Tail controlled missile for increased maneuverability and survivability

AARGM-ER addresses capability gaps created by 2020+ threats:
- Strike aircraft weapon delivery from sanctuary
- Enhanced weapon survivability
- Compatibility with F-35 internal bay integration

Facts At A Glance

- Upgraded propulsion and tail-control for increased range, speed and altitude
- Affordable reuse of existing state-of-the-art AARGM sensors, radome and avionics package
- Thermal sleeve, strakes, and airframe support extended range and survivability requirements
- Compatible with F/A-18E/F, EA-18G and F-35A/C internal-carriage
**AARGM-ER Features**

- Utilizes AARGM multi-mode guidance section
- Utilizes existing AGM-88B/C warhead
- Modified AGM-88E common control section
- Removes mid-body wings
- Larger, new rocket motor utilizing mature technologies
- New tail-controlled CAS

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**Improving and Expanding Capabilities**

**AARGM-ER Target Platforms**

- Improves Current Capability of F/A-18 Super Hornet and E/A-18 Growler
- Expands Future Capability with F-35 Lightning II

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**Tail Control For reduced drag and survivability**

**Upgraded Propulsion for range and speed**

**Enhanced Airframe and Strakes for range and survivability**

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**Existing AARGM Guidance Section, Warhead and Control Section components**