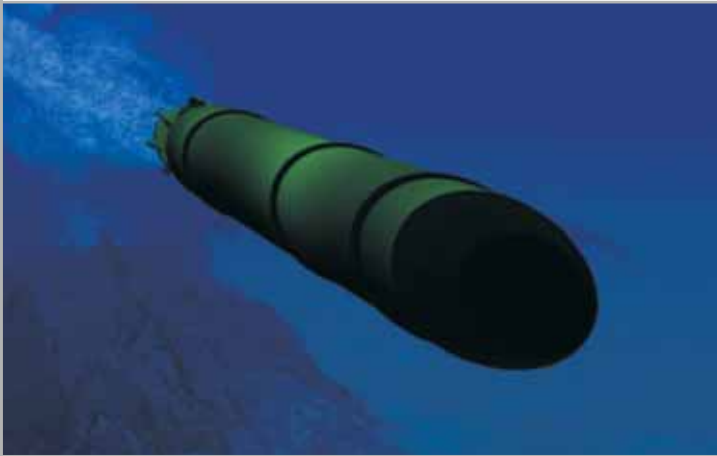


MK 48 Mod 6 Advanced Technology



MK 48 Mod 6 Advanced Technology is a software-driven, digital processor-based, heavyweight torpedo and the weapon of choice for anti-submarine and anti-surface warfare.

Benefits

- Provides improved low Doppler target detection
- Supports more than 1.6 billion cubic meters of search volume
- Includes software-based guidance and control for autonomous operation
- Delivers proven performance based on reliable MK 48 technology
- Offers U.S. Navy-backed supportability through 2025
- Maintains low cost of ownership
- Counters evolving threats

The MK 48 Mod 6 Advanced Technology (AT) is a heavy-weight torpedo designed for optimum effectiveness against all targets, in both littoral and deep-water environments. With guaranteed supportability through 2025, it is a cost-effective, up-to-date configuration of the MK 48 family designed to handle emerging threats.

Proven Technology

Built on proven and reliable MK 48 components, the MK 48 Mod 6AT offers an effective torpedo at low total ownership cost, providing the optimal balance for today's submarine force.

As upgrades to the MK 48 Mod 4, the MK 48 Mod 6AT use MK 48 sonar, guidance and control, electrical power system, and quieting technology in order to maximize weapon effectiveness and minimize cost. The torpedo is capable of autonomous operation or control via wire link. The MK 48 Mod 6AT features

advanced sonar, combined with an advanced digital signal processor for improved low Doppler target detection and a search volume of more than 1.6 billion cubic meters.

Software-based guidance and control enables autonomous operation, "fire and forget" tactics, simultaneous multiple target engagement and close-in attack. MK 48 quieting technology applied to the MK 48 Mod 4 propulsion system significantly reduces self-noise to enable covert deployment and minimize detection.

All MK 48 torpedoes use Otto Fuel II as the propellant. Hailed as an inexpensive and safe alternative to hydrogen peroxide-based fuels and electric propulsion, Otto Fuel II has an unblemished safety record during 30 years of use on U.S. submarines. It was designed with occupational safety in mind, can be safely stored for decades, and its use does not impose any special

construction or isolation requirements. Otto Fuel II is a stable, safe, high-energy density fuel providing long-range capability to MK 48 torpedoes.

Reliability and Supportability

The MK 48 Mod 6AT has been proven through the successful completion of more than 8,600 Mod 5/6 in-water exercise and warshot trials. MK 48 has successfully completed five warshot live-fire tests, including two SINKEX exercises.

Rigorous testing through more than 20,000 hardware-in-the-loop simulations has demonstrated the superior performance of the MK 48. Its performance and reliability have made it a valued weapon in the U.S. submarine force arsenal for more than ten years.

Features

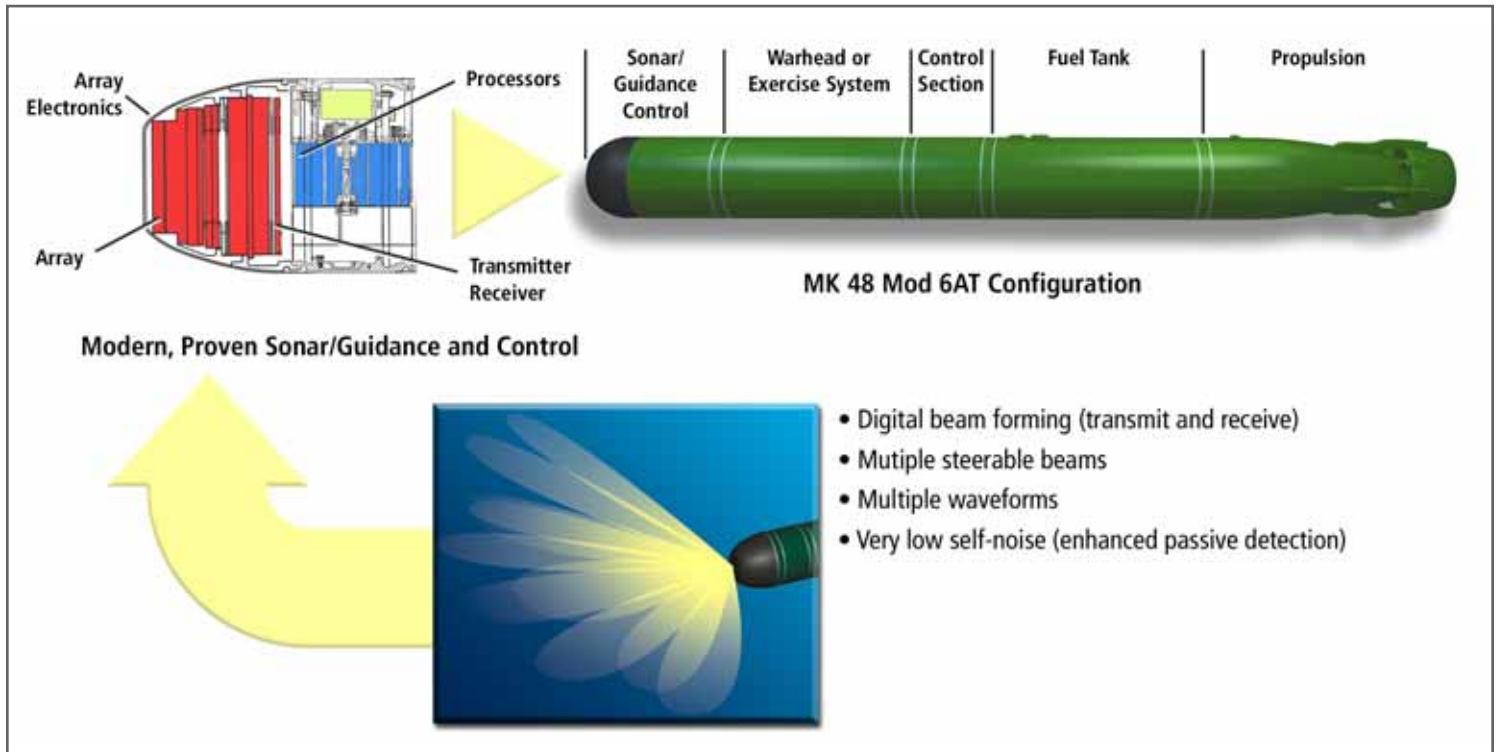
- Effective in littoral and deep-water environments
- ASW/ASUW capable
- Stealthy
- Rapid launch ("snapshot") capable
- Wireguide capability
- Autonomous CCM
- Variable speed
- Swimout capable

Full Service Support

- Integrated logistics
- Intermediate maintenance activity
- Exercise and training capability
- Platform integration



The MK 48 Mod 6AT meets heavyweight torpedo operational requirements.



Specifications

Length:	586.2 cm	230.8 in
Weight:	1691 kg	3728.1 lbs
Diameter:	53.2 cm	21 in

Raytheon Company
Integrated Defense Systems
 50 Apple Hill Drive
 Tewksbury, Massachusetts
 01876 USA

www.raytheon.com

Raytheon

Customer Success Is Our Mission