



Acquisition Directorate

# MH-60T MEDIUM RANGE RECOVERY HELICOPTER

November 2009

Mission execution begins here.

## PROJECT DESCRIPTION:

The Coast Guard began converting its 42 in-service HH-60J aircraft to MH-60Ts in January 2007. Although the upgrade to the "T" model is designed to be a sustainment project, the updated hardware and software will provide additional capabilities to the H-60 fleet. The outward appearance of the Coast Guard H-60 platform will not change, but its upgraded avionics and mission and communications systems will greatly enhance its operational capabilities and improve reliability.

The MH-60T will have many of the same mission system components as the MH-65C "Dolphin" multi mission cutter helicopter, and both aircraft will feature a FLIR Systems Star Safire electro-optical/infrared sensor package.

## MISSION CAPABILITY:

Equipped with improved avionics and Airborne Use of Force (AUF) capability, the converted MH-60T will improve medium range response and recovery operations, including law enforcement, search and rescue and cutter operations. The upgraded helicopters will have a range of 300 nautical miles and have a crew of four (two officers, two enlisted).

The MH-60T will feature a common avionics architecture system (CAAS) in the cockpit, which provides full integrated flight and mission management capabilities. Using five multi-function display (MFD) screens, aircrews can display radar and Forward Looking Infrared (FLIR) data, monitor the Traffic Collision Avoidance System (TCAS) and view imagery fed into the cockpit from the rescue hoist camera. To simplify pilot transition training to the "T" model, the primary flight instruments will retain their traditional arrangement on the Pilot's Flight Display (PFD). Enhanced radar and optical sensors will also contribute to an improved common operating picture and maritime domain awareness.

The MH-60Ts AUF package will enhance its role in the Coast Guard's maritime law enforcement and drug interdiction mission. The AUF package equips the MH-60T with a 7.62 mm. machine gun for firing warning shots and a .50 caliber long range rifle for precise targeting, such as disabling the outboard engines on a non-compliant "go-fast" vessel. The AUF package also provides ballistic armor for aircrew protection and upgraded communications sub-systems for better interoperability with other Homeland Security components.



*The U.S. Coast Guard Acquisition Directorate is committed to delivering and supporting state-of-the-market platforms that are affordable, efficient and mission-capable.*



# STATUS: STATUS:

All 42 H-60 aircraft are scheduled to be fully modernized by 2015.



*Prototype MH-60T during conversion*

## CHARACTERISTICS

Number Planned:	42
Cruise Speed:	170 kts.
Range:	300 nm.
Crew:	2 Officers 2 Enlisted
Armament:	.50 caliber rifle 7.62 mm. machine gun



*View of the MH-60T cockpit*

The Coast Guard's Acquisition Directorate is responsible for a \$27 billion investment portfolio that includes more than 20 major acquisition projects. The Coast Guard's investment in recapitalization ensures that the operational force has the equipment necessary to remain the lead agency in maritime safety, security and natural resources stewardship.