The next-generation Ku-band AN/ARQ-59 airborne data link provides Command/Control (C2), sensor data transfer, data link operation and comprehensive built-in test for high-reliability communications in mission-critical applications. Radar, acoustic, video and network interfaces support U.S. Navy fleet requirements for the MH-60R helicopter. CDL Hawklink provides interoperability with Common Data Link (CDL) terminals used by U.S. and Allied Forces worldwide.

Key Features

- Supports Anti-Submarine Warfare (ASW) and Anti-Ship Surveillance and Targeting (ASST) missions
- Range specified to 100 nm to AN/SRQ-4 shipboard terminal
- Receives and distributes full-motion video
- IP-enabled and extensible to future network-centric applications
- SAU7000 digital messaging interface enables network distribution of data from MH-60R electro-optical camera, multi-mode radar, sonar suite and electronic warfare systems to ship exploitation systems
- Expanded CDL frequency range
- Dual antennas to provide continual connectivity regardless of aircraft orientation
- Auto-switching between antennas provides continuous coverage under wide range of mission profiles and maneuvers
- Drop-in retrofit for existing MH-60R – less than four hours
- Extensive built-in test avoids O-level support equipment
- No scheduled maintenance for life of system
- Growth path to multi-band/relay configuration
- Interoperable with CDL family of ground and shipboard terminals, including AN/USQ-167 Communications Data Link System (CDLS) on aircraft carriers, Gen-2 Model-N Surface Terminal Equipment used at Maritime Operations Centers (MOCs), and handheld portable transceivers
**Product Description**

The L3 Hawklink AN/ARQ-59 airborne terminal is a fully qualified wideband communications system tailored to the requirements of the U.S. Navy’s fleet of MH-60R helicopters. It delivers real-time acoustic sonobuoy data, PPI/ISAR radar data and full-motion video to the ship to provide full situational awareness and protection of battle group assets.

The MH-60R Avionics Operational Program (AOP) provides flexible control of all sensor transfers and associated equipment, ensuring seamless integration and mission operation. Primary system control is managed by the airborne mission computer via a MIL-STD-1553 interface to the AN/ARQ-59 system using AOP commands. Robust built-in test and high-reliability equipment enable a reduced logistics footprint and eliminate complex support equipment. Dual antennas and automatic antenna switching ensure continual connectivity to the surface data link, regardless of aircraft orientation.

The programmable waveforms of the AN/ARQ-59 enable interoperability with U.S. Navy shipboard terminals for LCS, aircraft carriers, DDG-51, CG-47 and FFG-7 class ships. Terminals can be easily configured for interoperability with several generations of CDL surface terminals deployed by the U.S. Army and U.S. Air Force, as well as with many allies and coalition countries around the globe.

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