![Telephonics logo]

CSCG

Communication System Control Group

Telephonics' Communication System Control Group (CSCG) provides the U.S. Navy's MH-60R and MH-60S with advanced audio communications management. The CSCG is built to meet the rigorous requirements of multi-mission helicopters by providing crews with full access and control of all audio communications on the aircraft.

CSCG Advanced Communications Management

CSCG uses Telephonics' latest audio communications technology providing rugged, easy to use communications control, meeting the design challenges of the maritime military helicopter environment. This provides the crew with clear, intelligible and highly secure communications for all aspects of their flight and mission operations.

The CSCG is fully integrated into the aircraft avionics suite and provides the crew access to military and Air Traffic Control (ATC) radios, radio navigation aids and onboard intercommunication nets.

The CSCG provides crew operational capability for the following U.S. Navy missions:

- Anti-Submarine Warfare/Anti-Surface Warfare (ASW, ASuW)

- C4ISR
- Surface surveillance and targeting
- Communication relay
- Mine countermeasures
- Special Operations Forces support
- Combat Search and Rescue (CSAR)
- Search and Rescue (SAR)
- MedEvac
- Passenger/VIP transport
- Force protection
- Battle damage assessment
- Integrated communications

The Future

Telephonics, the world's leading supplier of secure intercommunication systems for military aircraft, is constantly developing new and advanced audio and data communication technologies, making these developments available to existing and new generations of communications systems.

CSCG

TruLink® Portable Transceiver (TPT) with Headset

CSCG Major System Elements

- Audio management computer
- Operator control panel
- Communication system control
- Relay assembly
- Interconnecting box

TruLink® Access Point (TAP)

Telephonics' Virtual Network Interface Card (VNIC) module provides interfaces to a wide range of capabilities including:

- Next generation operator control panels
- Adaptive Noise Cancellation (ANC)
- Caution and Aural Warning System (CAWS)
- Voice over Internet Protocol (VoIP) for next generation radios and wideband communications
- Beyond Line-of-Sight (LOS) internet protocol data link

Wireless Communications

Telephonics also provides the U.S. Navy with the Airborne Wireless Intercommunication System (AWICS), which enables MH-60S crews to have unparalleled freedom of movement and increased safety during SAR, passenger transport and utility operations.

AWICS consists of a TruLink® Access Point (TAP) and multiple-crew TruLink Portable Transceivers (TPT) to which the crew connects their service headsets. The TruLink AWICS system can support up to 31 wireless users and has an effective range of 500 m. The TPT provides handsfree, Voice Activated (VOX) and wireless communications.

The system's ambient reference microphone constantly monitors surrounding noise and automatically adjusts the VOX communications to the ambient noise. The reference microphone also filters the ambient noise from the transmit voice stream, making the TruLink AWICS system extremely quiet and voice transmissions highly intelligible.

TruLink is also available with a U.S. Government approved Type 1 encryption (E-AWIS) for the next generation of wireless communications.

For additional information, contact Telephonics at 631.755.7000 or visit www.telephonics.com.

TELEPHONICS®