

The use of Commercial Off-The-Shelf (COTS) equipment for flight deck audio provides significant commercial and technological advantages to removing the system that came standard with the airframe and installing an entirely new audio system.



COTS MILITARY AUDIO SYSTEMS

In many cases, the audio system that came standard with the target airframe can be easily modified to meet the military radio complement and environmental requirements at a fraction of the cost of removing the standard system.

- Using a COTS audio system eliminates waste; removal of the standard system, rewiring the aircraft and installing a new system. In many cases the COTS system has technological benefits exceeding the original military systems
- Avtech's audio systems are designed with extra capability that can be leveraged for use on when used in a military platforms
- Our in-house environmental test facility can re-certify the standard system to more rigid military environments
- Our lighting experts can design custom filtering to meet the specific NVIS requirements of the military platform
- Having a FAA TSOd product as a communications link is a valuable asset in military applications traveling in commercial airspace and airports
- Avtech's COTS products have been successfully used on the Boeing 707 AWACS, B737 Wedgetail, Peaceagle and P8 Poseidon programs

Since 1969 AvtechTye has been a leader in the design, development, and manufacture of electronic systems for the aerospace industry, with a focus in three product groups: Audio, Avionics and Structures.

AvtechTye products are flying onboard 42 aircraft types within the air transport, regional commuter, and business jet sectors, serving 450 customers in 49 countries of the world.

Our versatility in supporting aerospace electronics requirements ranges from the custom design and manufacturing of complex power supplies to complete Digital Audio Systems.

AvtechTye is certified to ISO9001, AS9100 and the FAA's ACSEP. Product Support includes in-house repair services (FAA approved Repair Station #IG6R621N), loaner/exchange programs, and both in-house and offsite airline training.

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B737 Wedgetail Aircraft



The 5346 panel is a modification of Avtech's successful 737NG system and was modified to provide the needed interfaces to military radios such as Tacan and IFF. The system also acts as a bridge from the secured communications of the mission control personnel to the unsecured communications in the flight deck.

B737 P8 Poseidon Aircraft



Another successful modification of Avtech's standard 737NG system is the 5347 P8 Poseidon system. This system required a reduced panel Audio Control Panel, military radio interfaces, custom switch legends and a UHF interface.

B737 P8 Poseidon Aircraft



Avtech's 5348 panel acts as a control panel for the mission critical systems installed in the P8 Poseidon aircraft. It interfaces directly with secure voice systems.



Avtech's 5701 system is part of the AWACS Block 40-45 communications upgrade. The 5701 system is based upon Avtech's full digital system standard aboard the B777 aircraft. The system was redesigned to interface with the mission communications system and the military specific radio complement. The 5701 system had the additional capabilities pre-certified to keep the development costs at an absolute minimum



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