For nearly 40 years, Airbus Defence and Space’s SCOT family of naval SHF SatCom terminals has led the world in providing reliable, high capacity, long-range communication to warships in the toughest conditions. SCOTMission terminals enable mission critical communications for navies anywhere, any time.

SCOTMission is a modular system and have been proven to support upgrades to deliver higher throughput services required by the latest operational demands of users. Both single and multi-band terminals are available with a range of antenna sizes and EIRP options to suit ships from corvettes up to aircraft carriers. SCOTMission terminals support all standard communications services (e.g. Voice, data, fax, video) and transmission modes (e.g. IP, Serial, ATM, DVB), and are specifically designed for ease of installation on a warship, with minimum impact on the ship’s other weapons and sensor systems. SCOTMission is in use in over 40 different warship classes.

The SCOT family of naval SHF Satellite Communications Terminals is the product of 40 years of evolutionary development. 11 Navies have chosen SCOT, and over 200 SCOT terminals are in service, making it the most widely fitted naval SHF terminal in the world. SCOT has been installed in more than 40 different warship classes, from corvettes to aircraft carriers. Airbus Defence and Space’s experience of integrating SATCOM in complex platforms is unrivalled.

SCOTMission terminals are built around a three axis, fully balanced, fully stabilised antenna system which maintains exceptional pointing accuracy without recourse to the ship’s positional reference systems. Key features:

- Designed from the outset as a ‘mission critical’ equipment, SCOTMission achieves the highest levels of availability, even in the most adverse environmental conditions
- SCOTMission is designed for small ship operation where ship motion and platform dynamics are particularly severe
- SCOTMission is modular - systems can be tailored to specific customer needs using antenna sizes ranging from 0.8m to 2.7m diameter
- SCOTMission is available in single and multi-band variants. Originally designed as an X-band system, SCOTMission terminals are now available with C, X, Ku and Ka-band frequency coverage.
- A range of both solid state and TWT amplifier options up to 2kW are available.
- SCOTMission is designed to accept a wide range of both COTS and military modems, including spread spectrum anti-jam modems. Low PIMP versions are available for customers requiring a multi-channel capability.
- SCOTMission modularity simplifies technology upgrades and ensures that performance can keep pace with the rapidly changing demands placed on military networks.
- SCOTMission is designed to operate in the crowded and hostile EMC environment of a modern warship, and has minimal impact on other communication, sensor and weapon systems.
- Data rates vary with antenna size, satellite resource allocation and modulation scheme.