

E-7 Wedgetail Capabilities

360-degree sensor coverage is fully compliant with international standards.

Detection and geolocation emitters within the required frequency range allow surveillance, target identification, and threat warning.

Air-to-air refueling capability allows for extended on-station time, range, and mission support.

A single interface between multiple subsystems and the operator provides mission processing and display for the airborne mission segment.

The multiservice, interoperable, FAA-certified communications system is capable of supporting multiple security classifications of voice and data transfer.



The Boeing 737 AEW&C is a twin-engine airborne early warning and control aircraft based on the Boeing 737 Next Generation design. It is lighter than the 707-based Boeing E-3 Sentry, and has a fixed, active electronically scanned array radar antenna instead of a rotating one. It was designed for the Royal Australian Air Force (RAAF) under "Project Wedgetail" and designated E-7A Wedgetail.

MTI'S Wedgetail Capabilities & Experience Includes

MTI delivered 10 full mission system training scenarios to the Wedgetail PM, and temporarily installed a Wedgetail mission simulation system to demonstrate the scenarios using RAAF 2 Squadron crews at RAAF Base Williamtown, NSW Australia.

MTI has amassed 1500+ flight hours on the Wedgetail platform.

MTI led the process to validate and develop the approach to reduce the crew from 17 to 10 crew members.

MTI served as Test Director for final acceptance testing prior to delivery and contract closure.