

United Kingdom Airborne Warning and Control System

The E-3D Airborne Warning and Control System (UK AWACS) Sentry Fleet provides a crucial defence capability to the United Kingdom and its allies. Equipped with a Northrop Grumman APY-2 radar, Sentry provides the complete air defence picture and the capability to direct interdiction of both air and sea targets.

Northrop Grumman and our Joint Sentry Support Team (JSST) partners -- BAE Systems, Cobham PLC, Mass Consultants, and AAR International -- provide aircraft maintenance, engineering and logistics support to the Sentry fleet at Royal Air Force (RAF) Waddington and at worldwide forward deployed locations as required.

Programme Performance is our First Priority!™



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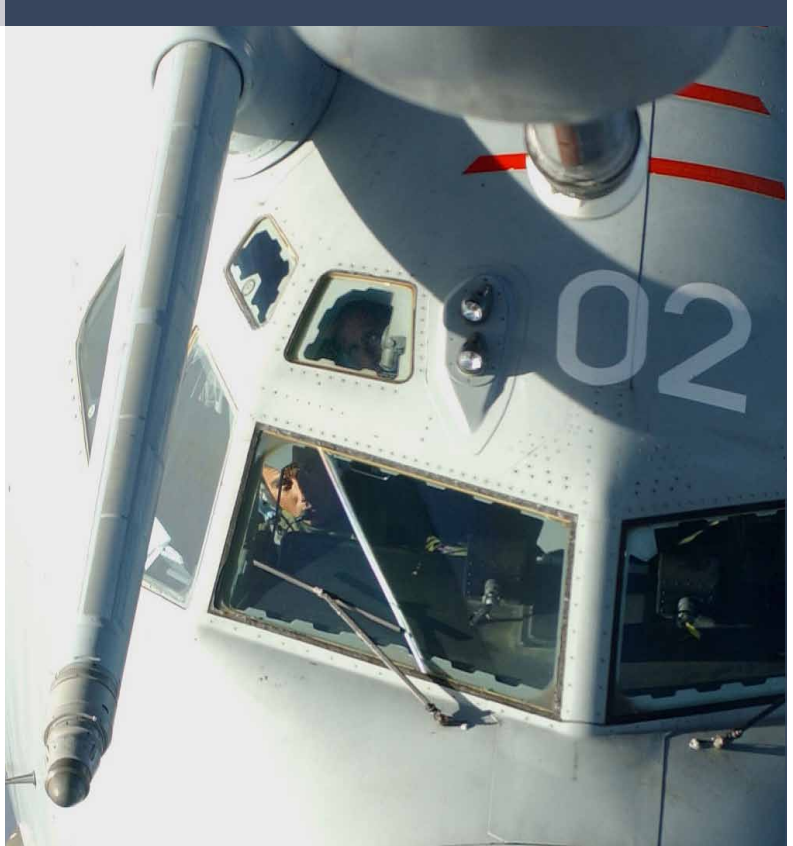
Northrop Grumman is a leading global security company providing innovative systems, products and solutions in aerospace, electronics, information systems, and technical services to government and commercial customers worldwide.

Technical Services, a sector of Northrop Grumman, has more than 17,000 employees and annual revenues of more than \$2.5 billion. With nearly 50 years of experience supporting all phases of process and systems integration, Technical Services helps organizations manage their increasingly complex logistics, sustainment and modernization requirements.



With 200 civilian and embedded RAF personnel, the JSST consistently achieves all contracted programme milestones and metrics, producing an overall cost savings to the RAF in the operations and maintenance of the Sentry fleet.

This model programme attained ISO 9001 certification two months ahead of the contractual milestone and has been awarded Chairman's Awards from both Northrop Grumman and BAE Systems.



E-3D General Characteristics

- Crew: 18
- Capacity: 35 seats
- Length: 152 ft 11 in (46.61 m)
- Wingspan: 145 ft 9 in (44.42 m)
- Height: 41 ft 4 in (12.6 m)
- Wing area: 3,050 ft² (283.4 m²)
- Empty weight: 185,000 lb (83,990 kg)
- Loaded weight: 335,000 lb (152,090 kg)
- Max takeoff weight: 334,000 lb (151,636 kg)
- Powerplant: 4× CFM International CFM56 turbofan, 24,000 lbf (107 kN) each

Performance

- Never exceed speed: Mach 0.83
- Maximum speed: Mach 0.78 (955 km/h)
- Cruise speed: Mach 0.72
- Range: 5,000 NM (8,046 km) (10 hr)
- Service ceiling: 43,000 ft (13,106 m)
- Rate of climb: 2000 ft/min (610 m/min)



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