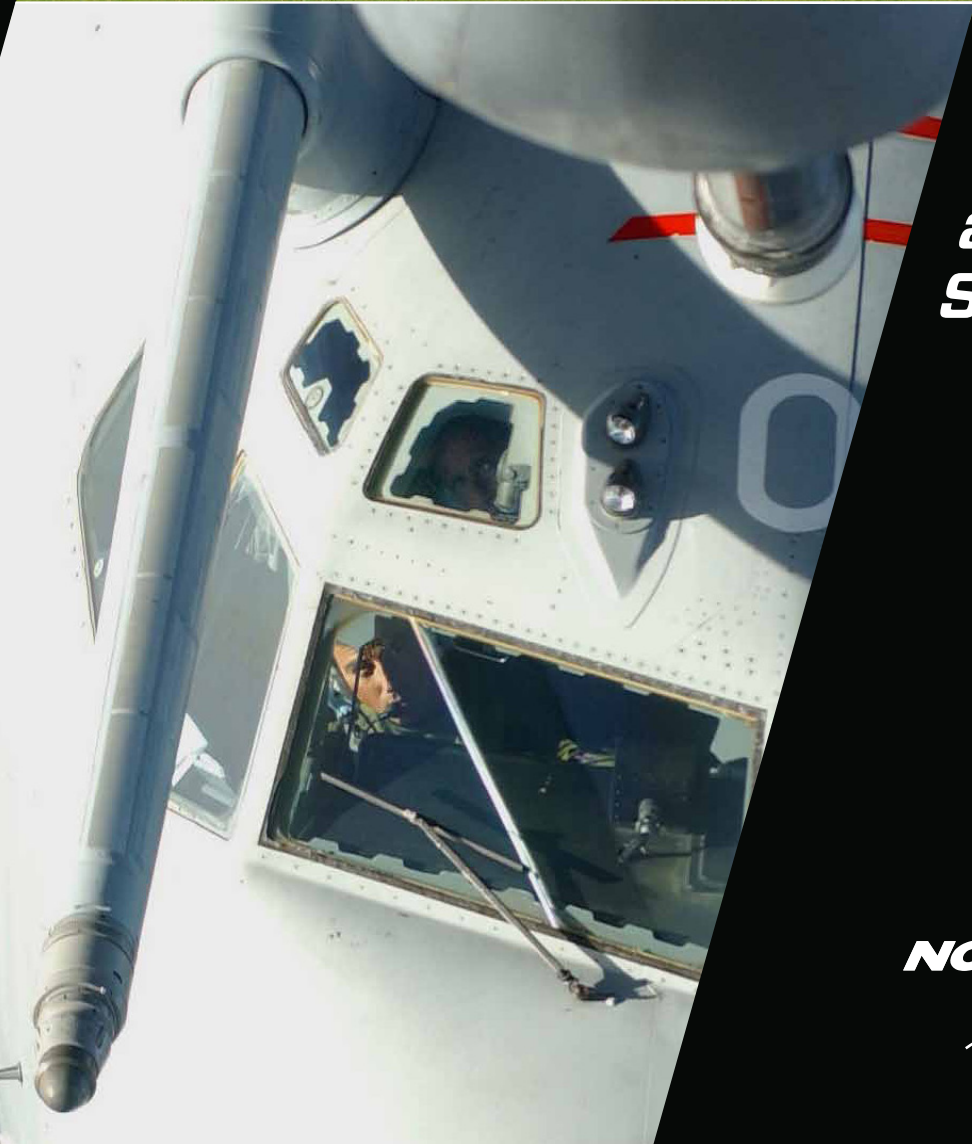




*United
Kingdom
Airborne
Warning
and Control
System*



THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

The UK E-3D Sentry Airborne Warning and Control System (AWACS) fleet provides a crucial defence capability to the Joint Forces of the United Kingdom and its allies. Equipped with a Northrop Grumman APY-2 radar and a full suite of communications and datalink equipment, Sentry provides a crucial command, control and air battlespace management service to both UK and coalition air, surface and land Forces.

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.

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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Northrop Grumman continues to deliver innovative logistics solutions enabling affordability, effectiveness and global mission readiness. This approach to logistics establishes maintenance, modernization, sustainment, training and support-service excellence through both product and process innovation. Such innovation is enabled by integrating and applying new technologies, tools and devices. Furthermore, process innovation is achieved through the application and refinement of logistics operational concepts.

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