



# Watchman Update Package

BAE Systems is at the forefront of radar technology delivering sensor systems that give military commanders and civil aviation authorities the capability and flexibility to perform a wide range of air traffic management and operational functions.

The Watchman radar provides customers with a proven surveillance and control capability with over 100 systems in reliable operation for more than 20 years. BAE Systems has developed an update package using the latest radar technology in use on Type 45, Type 23 and Type 102 platforms to extend the life of the Watchman radar, which protects the customer's investment and enhances reliability and maintainability of the system.

## Updated Items

- Transmitter
- Signal Processor
- Plot & Track Extractor
- Antenna (retained)
- Turning Gear (retained)



Current transmitter

- Life extended for 20 more years
- Improved reliability
- Improved maintainability
- Uses latest Solid State Technology
- Occupies one third less space



New improved transmitter



Current signal processor

- 80% reduction in number of Line Replaceable Units
- Improved reliability
- Improved maintainability
- Remote access to BiTE capability
- Life extended for 20 more years
- Occupies only one rack
- Fully wind farm resilient



Current plot and track extractor



New improved signal processor, plot and track extractor

Cost effective update that extends the system life by 20 years and reduces the through life costs

## Key facts

Exploits proven technology

Current radar performance exceeded

Positive impact on spares, logistics and training

Wind Farm resilient

Applicable to 60/80/120nm variants

4G mitigated

Remotely operated and maintained

Comprehensive BiTE

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