UK SAR Helicopters

The future service and how it will be managed.
CURRENT SAR – 12 Bases

(Manston 1971) - Sumburgh 1983 – Portland 1995

Safer Lives, Safer Ships, Cleaner Seas
SAR Harmonised– 10 Bases

Safer Lives, Safer Ships, Cleaner Seas
Contract overview

- The procurement ran for 18 months
- The contract was let under the competitive dialogue procedure
- Contract was signed on 26 March 2013
- It will run for 13 years
- It is worth £1.6 billion (ex VAT)
Contract overview

Key aspects of the contract you will be familiar with:

- 98% availability
- Responding to SAR incidents within 15 minutes during the day and 45 minutes during the night.
- All aircraft will be tasked by the ARCC as today.

Some newer aspects to this contract:

- All aircraft will carry HM Coastguard livery
- More robust key performance indicators
- Clearer accountability from the contractor
- Operating from ten bases.
- *Average response times reduce from 23 minutes to 19 minutes*
The service

22 of the most modern and sophisticated SAR-configured aircraft available operating from ten dedicated search and rescue facilities
Aircraft

S92 avionics

- Sophisticated automatic flight control system including full autohover
- Standardised fuel configuration providing a radius of action of 250nm
- Cruising speed of 145kts
- Velocity not to exceed speed of 165kts
- Full rotor and engine icing detection and protection system
- Traffic collision and avoidance system
- Radar
- GPS
- AIS
- Full communications suite including HF & Satcomms
- HD Forward Looking Infra-Red
- Full NVG system
Aircraft

S92 cabin configuration

• Capacity to seat 11 plus two stretchered casualties
• Dual winch
• Cabin trim control
• Low profile auxiliary fuel tanks
• Full mission management system
• Wireless intercom
• Winchmen radios capable of operating up to 5km away from the aircraft
Aircraft

S92 cabin configuration

Storage rack above tank not shown for clarity

Safer Lives, Safer Ships, Cleaner Seas
Aircraft

**Latest Mission Management System**

- High Definition Forward Looking Infra Red
- Automated Search and Target Acquisition Systems
- Medical data transmission
- Satellite communication including broadband.

Safer Lives, Safer Ships, Cleaner Seas
Aircraft

AW189 avionics

- Sophisticated automatic flight control system including full autohover
- Standard fuel configuration providing a radius of action of 190nm
- Cruising speed of 145kts
- Velocity not to exceed speed of 169kts
- Full rotor and engine icing detection and protection system
- Traffic collision and avoidance system
- Radar
- GPS
- AIS
- Full communications suite including HF & Satcomms
- HD Forward Looking Infra-Red
- Full NVG system
Aircraft

Rear cabin

- Latest Integrated Mission Management System
- Two retractable screens roof mounted
- Rear crew role changing to reduce fatigue during searches etc
- Enhanced Target detection Acquisition Systems
- Cabin Wireless intercom
- Winchman intercom with range in excess of 5km
- Medical data transmission
- Full NVG Capability

Safer Lives, Safer Ships, Cleaner Seas
Recruitment

- A mixture of existing civilian Bristow employees and ex-military crews

- Existing military crews can apply to work in the UK SAR H service through the MOD’s Managed Transition process
Training

**SAR Training**
- 50 hours flying per month
- The contractor determines the best use of the hours
- Opportunities to share knowledge and training with SAR crews will be identified.

**National Aviation Authorities**
- Permissions to perform Search & Rescue as an emergency service
- Dispensation and alleviations from Aviation Regulations
# Transition schedule

<table>
<thead>
<tr>
<th>Lot</th>
<th>Original Base</th>
<th>Bristow Proposed</th>
<th>Infrastructure</th>
<th>Transition Date</th>
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<td>Humberside</td>
<td>New Build</td>
<td>01 April 2015</td>
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<tr>
<td>Lot 2 AW189</td>
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<td>01 April 2015</td>
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<td>Caernarfon</td>
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<tr>
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<td>Chivenor</td>
<td>Cardiff</td>
<td>New Build / Hangar Refurb</td>
<td>01 October 2015</td>
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<tr>
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</tbody>
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Safer Lives, Safer Ships, Cleaner Seas
Effectiveness = Capability + Regulation + Training
(ex military + Managed Transition)

Questions?
Thank you