

Overview



- We are absolutely committed to ensuring that North Sea operations are as safe as possible.
- Recent accidents are a serious cause of concern, especially among offshore workers who rely so heavily on these helicopter flights
- In September 2013, the CAA initiated a review to examine the risks and hazards of helicopter operations in the UK offshore environment.
- The report of the review (CAP 1145) was published on 20 February 2014
- The report identified 32 actions for the CAA and 29 recommendations for the European Aviation Safety Agency (EASA) and industry.



Civil Aviation Authority – Safety review of offshore public transport helicopter operations in support of the exploitation of oil and gas



Governance





Project Portfolio Board

Project Sponsor & Flight Ops Rob Bishton Airworthiness

John McColl

ISPPadhraic
Kelleher

Project Manager

Ros Jaeger

Working Group

FO Leads Chester Armstrong (Kevin Payne) (Rick Newson) **AW Leads**Brian Pattinson
Mike Gadd

ISP Leads
Joji Waites
Dave Howson
Simon Roberts

AAA Lead Mike Howells

Delivery Teams

Workstream Leads, Workstream Team Members, Communications, Legal

Offshore Helicopter Safety Action Group

Chair: Mark Swan **Secretary:** Ros Jaeger

Membership:

Rob Bishton, John McColl, Chester Armstrong, Corp Comms Operators AMs (Bond, Bristow, CHC) BALPA Rep, RMT/Unite Rep O&G UK, Step Change

Guests:

EASA, NCAA, HCA, HSE, AAIB

Operations Sub-Group

Chair: Rob Bishton

Members:

Chester Armstrong David McCorquodale Airbus, AW, Sikorsky Operator's Trng or Flight Ops POC SMEs as appropriate

Airworthiness Sub-Group

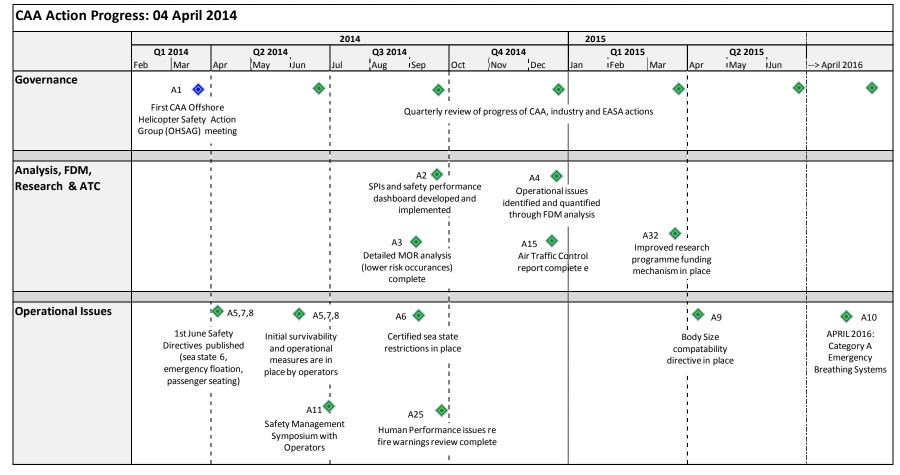
Chair: John McColl

Members:

Airbus, AW, Sikorsky EASA Operator's airworthiness and maintenance POC SMEs as appropriate

Milestones (1/2)







Milestones (2/2)



	Q1 2014	1	Q2 2014		Q3 2014		Q4 2014	Q1 201	1		Q2 2015		
	Feb Mar	Apr	May Jun	Jul	Aug Sep	Oct		Jan Feb	Mar	Apr	May	Jun	i> April 2016
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Pilot Performance								<u> </u> 					
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Civil Aviation Authority

Safety Directives

- A Safety Directive has been published stating that from:
 - 1 June 2014
 - No operations if the significant wave height is greater than 6 m.
 - Emergency floatation system arming /disarming procedures in place
 - 1 September 2014
 - All passengers seated next to an exit unless
 - Cat A Emergency Breathing System (EBS) is in use or
 - Side floating helicopter scheme is fitted
 - 1 January 2015
 - All occupants to have Cat A EBS
- A further SD will be issued in 2015 requiring passenger size to be compatible with emergency exits



Certification of Cat A EBS

- Survitec Group has submitted Declaration of Design and Performance to the CAA and EASA for new lifejacket and P-STASS (EBS).
- EASA has approved the new lifejacket as compatible with existing equipment.
- The CAA has certified the P-STASS against CAP 1034 so that it is now classed as a Category A EBS.
- The Oil & Gas UK EBS Working Group expects deployment of the new lifejacket and EBS from July 2014 onwards.





Passenger Size

- Passenger size metric to be established current evidence suggests shoulder width to be the most appropriate measure.
- Minimum exit size as a function of passenger size to be determined based on existing experimental data.
- Method of implementation for industry to decide the CAA's objective is that passenger size and exit size are compatible.
- CAA ready to advise/assist:
 - Simplest solution to limit passenger size by smallest exit in fleet maximum impact on workforce.
 - Most complex solution to match passengers to individual seat rows on individual helicopter types – minimum impact on workforce.
 - Optimum solution likely to lie somewhere between these two extremes.

Safety Management System Symposium



- CAA / helicopter operators meeting planned for 2 July 2014
- Successful pre-meet held with operators on 17 April
 - Long list of ~80 safety issues identified. To be shortlisted to 20.
- Aim:
 - Agree on the top 20 issues (hazards) related to the activity
 - Agree on the most appropriate mitigations and
 - Agree on the Safety Performance Indicators for the top 10 mitigations.
- All operators are sharing data, ASRs etc. to support this symposium.



Helidecks

- We will:
 - Assume responsibility for the certification of UK helidecks and will consult with industry on this soon;
 - Assess whether flights to helidecks that do not meet some helicopter size requirements should be allowed to continue;
 - Review whether night operations to bowmounted helidecks should be allowed to continue;
 - Limit flights to normally unattended installations that do not have sufficient fire fighting capabilities.





Pilot performance and training



 How pilots interact with sophisticated automated systems and their individual performance have proved major factors in recent offshore helicopter accidents.





- met with senior examiners and senior fleet training captains to take forward actions and recommendations from the report;
- reviewed the requirements for Instructor Tutor Training and will be proposing improvements to this training standard;
- worked with manufacturers for the provision of training material for input into Standard Operating Procedures.

We are:

- launching a Crew Supply Chain Programme (CSC Programme provision & maintenance) which will focus on the environmental drivers within the end-to-end pilot training pipeline – Measure being Crew Quality.
- supporting the RAeS Conference "Technology: Friend or Foe?"
- reviewing pilot instrument flying training requirements / basic skills and the use of modern cockpit electronic display systems.



Airworthiness

- The CAA is conducting additional audits of the operators focusing on Vibration Health Monitoring (VHM) and is making amendments to the CAA publication on VHM.
- A "Maintenance Standards Team" has been established with representatives from the CAA and offshore operators. This team has recently met with British Airways to learn and share best practice.
- Meetings held with helicopter operator engineering managers and continuing airworthiness managers to:
 - discuss and identify how airworthiness information and issues will be shared with EASA.
 - scope out the MOR analysis action plan.
 - scope out the strip report improvement action plan.



Airworthiness

- Recommendations have been made to the European agency responsible for airworthiness (EASA) and manufacturers to:
 - stop spurious warnings that instruct pilots to land immediately that have led to recent unnecessary ditchings;
 - improve design requirements of helicopter rotor and transmission systems;
 - promote improvements in helicopter Vibration Heath Monitoring systems that provide alerts of potential technical failures; and
 - improve the exchange of information between industry, manufacturers, EASA and national regulators to help ensure on-going safety.





Questions?

