

# 76<sup>th</sup> HSRMC

## EASA led projects

1 May 2019

**Your safety is our mission.**

An agency of the European Union





# Crew Immersion Suits Conspicuity (CIMSCY)

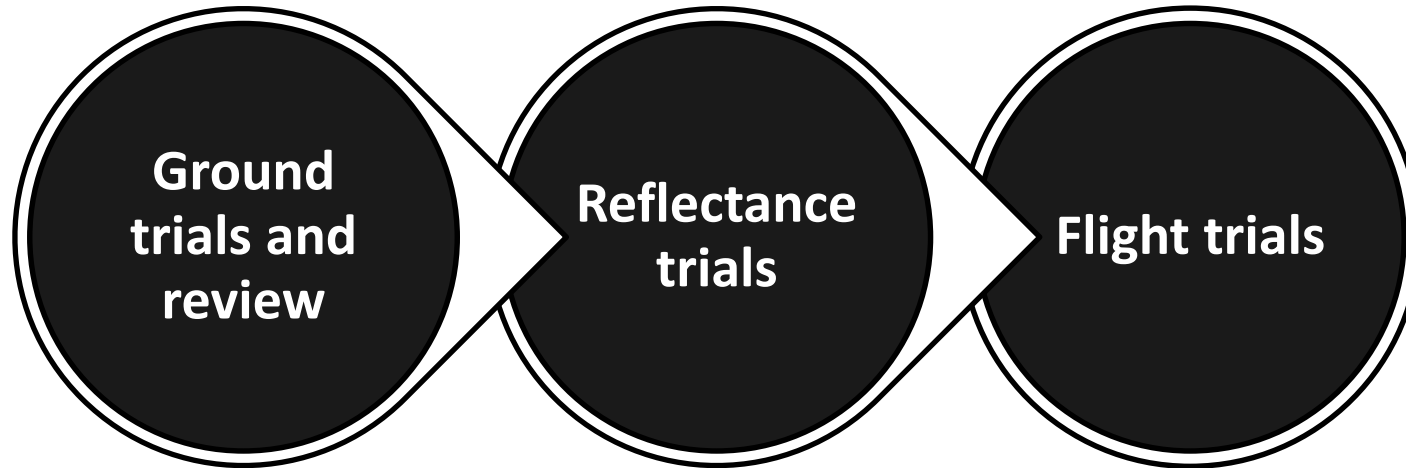
- Following the accident to SA365N G-BLUN in Morecambe Bay on 27 December 2006

[Final report](#)

- AAIB recommends to EASA to:
  - Investigate methods to increase the conspicuity of immersion suits worn by the flight crew, in order to improve the location of incapacitated survivors of a helicopter ditching



# Crew Immersion Suits Conspicuity (CIMSCY)





## Ground trials

- 6 sample materials
- 2 search light modes: White, IR
- 4 FLIR camera modes: HDIR, SWIR, HDLL, HDEO
- NVGs

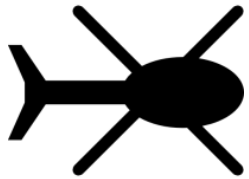


- Confirm compatibility of tapes with FLIR, NVGs, Searchlight modes
- Qualitatively assess brightness of reflections using FLIR and NVGs
- Take FLIR camera images





# Ground trials

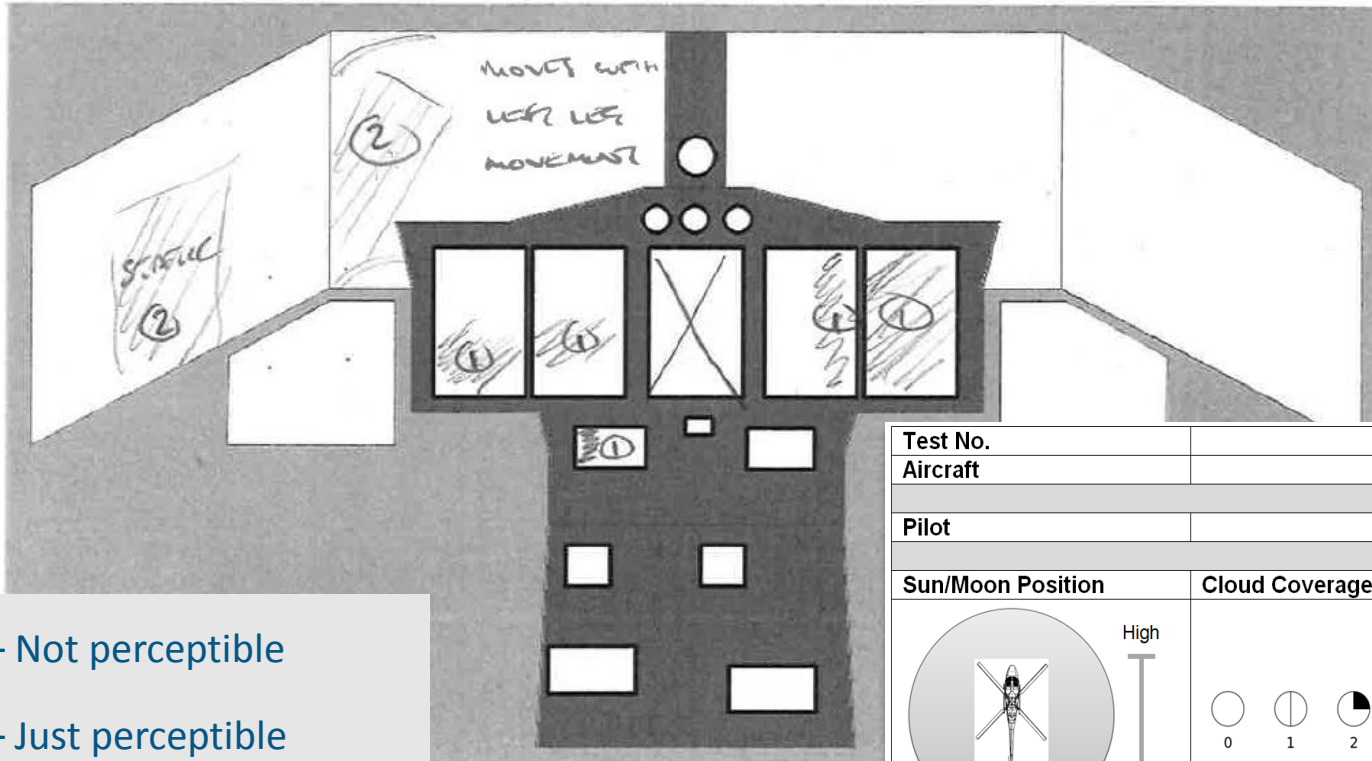


1000ft





# Cockpit reflectance trials



- 0 – Not perceptible
- 1 – Just perceptible
- 2 – Just acceptable
- 3 – Just uncomfortable
- 4 – Just intolerable

Test No.		Date	
Aircraft		Time	
Pilot		Observer	
Sun/Moon Position		Cloud Coverage	
Light Level Reading			
Pilot Comments			





# Flight trials





## Conclusions

- 6 recommendations to improve conspicuity based on the trials
- Interface established with the Standards groups
- Final report publication anticipated before summer



**Thank you**

**Your safety is our mission.**