

# Technical Consulting

## Safety Management – Airworthiness Management



## Airworthiness Management Consulting - for EASA Certificates of Airworthiness



### CHC Scotia

Baines Simmons provided Airworthiness management consulting support to the operational fleet of 16 helicopters based in Aberdeen, Stornoway, North Denes, Blackpool and Norway. The aim was to be able to recommend to the UK CAA that Certificates of Airworthiness and the initial issue of an Airworthiness Review Certificate were issued for each aircraft.

### Client Profile

CHC Helicopter is the world's largest helicopter services company specializing in three main areas of operation:

- ▶ Transportation to offshore oil and gas platforms
- ▶ Civilian search and rescue services
- ▶ Helicopter maintenance repair and overhaul

CHC Helicopter is headquartered in Vancouver, Canada and operates more than 250 aircraft in about 30 countries around the world.

### The Challenge

- ▶ The client needed to free up current Airworthiness management resources to develop their internal Airworthiness Review process. The client needed to gain EASA compliant Certificates of Airworthiness for 16 aircraft over a short period of time with limited resource available.
- ▶ To develop a robust, efficient and repeatable aircraft survey process in order to confidently recommend issue of Certificates of Airworthiness. The processes needed to be at a standard that could be easily transferred across to the EASA Part M subpart G and I ARC issue requirements, including a robust record system.
- ▶ To operate an Airworthiness review and helicopter physical survey service in the organisation's current Airworthiness management system that required development and structural change in order to best suit the new EASA Part M Airworthiness Review Certificate requirements.

*Baines Simmons provided a dedicated team of airworthiness specialists at short notice to assist us during the transition to EASA Airworthiness Review Certificates for our helicopters. They developed and implemented an efficient system for the collation of airworthiness data and generation of reports, and completed independent helicopter surveys to assure the airworthiness of our fleet. We were left with the legacy of a robust Airworthiness Review template and a high level of confidence in our airworthiness record system. Engaging Baines Simmons for this service over an extended period enabled us to focus our attention on developing our CAMO to meet the new requirements and support the safe operation of our helicopters.”*

Scott Carmichael  
Director of Technical Standards  
CHC Helicopter

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### The Solution

An expert team of aviation consultants was rapidly assembled to assist CHC Scotia with this project at their base in Aberdeen and other locations around the UK. The team consisted of qualified, flexible aircraft surveyors who were selected to conduct aircraft surveys across the UK and work around an intensive operational schedule.

- ▶ A robust and traceable survey process was generated and implemented that provided CHC Scotia with the confidence that an efficient survey based on Airworthiness compliance and safety was being conducted on their behalf.
- ▶ Processes of Airworthiness review based on the Part M subpart G requirements were professionally developed.
- ▶ An aircraft record containing all the relevant airworthiness information required to assist with a Certificate of Airworthiness recommendation was developed.
- ▶ Proactive ongoing recommendations to CHC Scotia for improvements and efficiency in the current Airworthiness management system were provided.

### The Outcome

- ▶ Baines Simmons successfully delivered to timescales the issue of Certificates of Airworthiness and initial Airworthiness Review Certificates for all aircraft, whilst CHC Scotia staff focussed on developing the new ARC process.
- ▶ Comprehensive record packs for ongoing aircraft airworthiness reviews were provided.
- ▶ An ARC complaint template for document reviews and physical surveys was developed.

## Summary of Baines Simmons services utilised

### Consulting support

Airworthiness Management Technical Expertise