



Annual Gerhard Sedlmayr Lecture

Safety in the Cabin – Past, Present and Future

Captain **Pete Terry** FRAeS BSc [Hons]

Air Commodore **Dai Whittingham**: Chief Executive, UK Flight Safety Committee

Date: Tuesday 04 June 2019, 18:30

(light refreshments available from 18.00 and there will be a get-together with refreshments after the lecture)

Location: ZAL TechCenter, Hein-Sass-Weg 22, 21129 Hamburg

(If you wish to attend, please [register online](#) or send a mail to [Susanne Altstaedt](mailto:susanne.altstaedt@airbus.com), susanne.altstaedt@airbus.com)

This presentation is partly based on two Royal Aeronautical Society Specialist Papers produced by its Flight Operations Group:

- Evacuation of commercial passenger aeroplanes (published in 2018); and
- Smoke, Fire and fumes in transport aeroplanes: Reference (published in 2018).

Most aeroplane accidents are survivable and this presentation will identify the many issues that are required to be addressed by regulators and manufacturers in respect of the airworthiness requirements for certification of the passenger cabin including the criteria for emergency evacuation.

From a design perspective we need to consider the safety of the passenger environment to enhance the safety of all the occupants. Compliance with the numerous airworthiness requirements should be reflected in compatible operational procedures as well as crew training. Are their sufficient links between the two disciplines to effectively achieve this?

So what determines the design of the passenger cabin? The obvious and main influences are the requirements in EASA CS25 and FAA FAR 25. However, another increasingly significant influence are the commercial pressures which can affect the design of the passenger cabin and in some cases might impact adversely on matters of flight safety.

This presentation will address the many positives regarding the design of the passenger cabin from a safety perspective. It will also address some of the negatives.

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