

Applied Safety Assessment workshop

28 June - 2 July 2010

29 Nov - 3 Dec 2010

This new workshop serves as an addition to the existing course on Safety Assessment of Aircraft Systems. Lasting 4.5 days, the workshop addresses the tasks involved in carrying out a comprehensive System Safety Assessment. It takes the form of a series of hands-on tutorials to describe the process and techniques involved.

Delegates will carry out safety analyses on a system installed on an aircraft using drawings, schematics and the actual aircraft as appropriate. These analyses will form an integral part of the workshop objective of producing a comprehensive System Safety Assessment. Delegates will work in groups to carry out the System Safety Assessment and will use various methods including the following safety analysis techniques.

Workshop content

Functional Hazard Assessment (FHA): The FHA exercise will identify the critical failure conditions of the system. Each group will classify the failure conditions in accord with the 25.1309 categories and identify the analysis techniques most appropriate to each.

Particular Risks: The Particular Risks appropriate to the system and its installation will also be addressed as appropriate.

Enhanced Fault Tree Analysis (EFTA): The groups will carry out an Enhanced Fault Tree Analysis for the failure conditions identified by the FHA as being appropriate to this analytical technique.

Failure Mode and Effects Analysis (FMEA): This exercise will use existing system drawings in order to perform FMEA on the aircraft system.

Zonal Safety Analysis: Delegates will carry out a Zonal Safety Analysis on the aircraft zones in which the system is installed.

At the end of the workshop delegates will present the results of all team work.

General information

Dates 28 June - 2 July 2010
29 Nov - 3 Dec 2010

Workshop fee £1295

Accommodation Fee £435

The workshop will be held at Cranfield University, and attendance is normally on a full board basis in Mitchell Hall on the University campus from Sunday evening. Details of arrangements will be in the delegate information pack but please note evening project work will be required.

For further information on the workshop and its contents please contact:

Dr Simon Place
Lecturer in Air Transport Engineering
Department of Air Transport
School of Engineering
T: +44 (0) 1234 754235
E: c.s.place@cranfield.ac.uk

How to apply

To book a place on the workshop please download an application form www.cranfield.ac.uk/registry/cranfield/aou/blankform.pdf

or contact:

Lesley Roff
Academic Operations Unit
Cranfield University
Beds MK43 0AL
T: +44 (0) 1234 754176
F: +44 (0) 1234 751206
E: shortcourse@cranfield.ac.uk

Presented in association with

