



**EASA Workshop:
Harmonised Revision to Regulatory Guidance
'Composite Aircraft Structures'
28th January 2009, Cologne**

Audience:

This workshop is primarily aimed at design organisations holding an EASA DOA and entitled to design composite structures for compliance with CS-23, 25, 27 and 29.

The workshop will also be of interest to maintenance, repair, and production organisations due to the particularly close links between all such activities associated with the use of composite materials.

Introduction:

The generic harmonised guidance text addressing the use of composite materials was last revised in 1984. Since then, there has been a rapid increase in the utilisation of composite materials in structures (particularly in Principal Structural Elements in CS-25 structures), evolution of new material forms, and evolution in the understanding of these materials and associated design philosophies, e.g. Fatigue and Damage Tolerance aspects. Furthermore, regulatory guidance for some specific aspects of some Certification Specifications (CS's) have since been developed that may also be applicable to, and beneficial to, other CS's, e.g. harmonised AC-27-1B and AC29-2C MG8 developed for CS-27/29 rotorcraft, AMC No.2 to CS 25.603, etc. It has also been acknowledged that the guidance material needs to increase the recognition of the strong links that exist between design, manufacture, and in-service activities

EASA, FAA, and TCCA have embarked on developing a harmonised revision of the text. This will include new generic elements (i.e. AMC 20-XX (TBD)), applicable to both fixed wing and rotorcraft structures, that combine common guidance that is currently repeated in a number of CS documents. Changes to regulatory documents that are anticipated include the following:

- 1/ development of revised harmonised technical content
- 2/ development of a new common guidance document applicable to CS-23, 25, 27, and 29, (i.e. AMC20-XX).
- 3/ amendment of the existing CSs to align with the newly created common AMC document and to introduce any aircraft type specific requirements/AMC.

Workshop Objectives:

The objectives for the workshop include:

- 1/ provide an outline of the intended revisions to European Industry
- 2/ prepare industry for release of the EASA NPA for public comment in Spring 2009.

Note 1: Note that this event will present the outline of the intended harmonised revision (not the final draft text). It largely repeats information previously presented at the Composite Materials Handbook-17 meeting (CMH-17) held in Ottawa August 4-8th 2008.

Note 2: EASA/FAA/TCCA also intend to hold a European meeting in late Spring 2009 to disposition comments and address any concerns raised from public consultation of the EASA NPA and those received by FAA/TCCA.



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Programme

9:00	Registration
9:30	Opening/Introducton/Background
10:30	Coffee Break
11:00	Outline and discussion
12:30	Lunch
13:30	Outline and discussion continued
15:00	Coffee Break
15:30	Outline and discussion continued
17:00	Close

Please note: All presentations given will be made available on the Agency's website (http://www.easa.europa.eu/ws_prod/g/g_events.php) after the event.

Registration: Please complete and return the attached form, preferably by email (myriam.Charlier@easa.europa.eu) or by fax (+49 221 899909506) before 12th December 2008. The workshop is only accessible to registered participants, who will receive confirmation of participation. Registration will work on a first come first serve basis.

Location: The location for EASA may be located at http://www.easa.europa.eu/ws_prod/g/g_contacts_map.php

Hotels: Hotels may be located at www.accorhotels.com
tel. +49 221 16140, fax. +49 221 16141