

CAST

Certification Authorities Software Team

Notes No. 2

January 2007

Charter

CAST is an international group of certification and regulatory authority representatives who

- Support aviation industry system, software, and complex electronic hardware (CEH) activities and
- Promote international harmonization of certification and regulatory positions on software and CEH aspects of aviation safety

CAST considers safety issues relating to airborne software and CEH, CNS/ATM (communication, navigation, surveillance, and air traffic management) ground-based software, and production/inspection/maintenance/testing software.

Interfaces

- RTCA SC-205 / EUROCAE WG-71 (Software Assurance)
- RTCA SC-203 (Unmanned Aerial Systems)
- SAE S-18 (Aircraft Systems Safety)
- EUROCAE WG-63 (Aircraft Systems Safety)
- DO-254 User's Group
- ICAO AIRP (SARPS revision)
- EUROCAE WG-72 (Aeronautical Systems Security)

Upcoming Activities

- CAST #49 – Daytona Beach, FL (in conjunction with SC-205/WG-71)
- CAST #50 – Köln, Germany

Participants

Chair	Barbara Lingberg, FAA
Secretary	Pippa Moore, UK CAA
ANAC	Brazil
CAA NL	The Netherlands
DGAC	France
DND	Canada
EASA	Europe
ENAC	Italy
FAA	The United States
LBA	Germany
TC	Canada
UK CAA	United Kingdom

Position Papers

Recently Completed

CAST 28 “Frequently Asked Questions (FAQs) on the Use of RTCA Document DO-254 and EUROCAE Document ED-80, *Design Assurance Guidance for Airborne Electronic Hardware*”

Abstract: Since the date of publication of DO-254/ED-80, the aviation community has gained experience using the document but has also raised a number of frequently asked questions (FAQs) regarding the document's application. This CAST paper provides responses to some questions that are frequently asked by industry concerning the application of DO-254/ED-80 for certification projects. The questions discussed in this paper are not intended to represent all FAQs by industry; however, the paper will be updated as consensus by CAST is reached on new FAQs.