

# CAST

## Certification Authorities Software Team

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Notes No. 4

August 2008

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### 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)
- RTCA SC-216 (Aeronautical Systems Security)
- EUROCAE WG-72 (Aeronautical Systems Security)

\*Current focus of CAST activity versus development of individual papers.

### Participants

|           |                       |
|-----------|-----------------------|
| Chair     | Barbara Lingberg, FAA |
| Secretary | Pippa Moore, UK CAA   |
| ANAC      | Brazil                |
| AVIA      | Russian Federation    |
| CAA NL    | The Netherlands       |
| DGAC      | France                |
| DND       | Canada                |
| EASA      | Europe                |
| ENAC      | Italy                 |
| FAA       | The United States     |
| TC        | Canada                |
| UK CAA    | United Kingdom        |

### Position Papers

#### *Recent Activity*

- CAST 14 "Use of a Level D Commercial Off-the-Shelf Operating System in Systems with Other Software of Levels C and/or D"  
Withdrawn from website for re-evaluation.

#### *In Work*

- ITAR (International Traffic in Arms Regulations)
- ARINC 653
- Use Of Artificial Intelligence Systems In Software Systems
- Checklist Mentality
- Software Team Changes

### Upcoming Activities

- CAST #55 (Phoenix) (with SC-205/WG-71)
- CAST #56 (Europe) (with SC-205/WG-71)