

RTCA SC-209 Working Paper SC209-WP06-08

Activity Summary

Presented by

R.H. “Bob” Saffell

01/29/2007

SC-209 Activity Summary

- Completed baseline restructure of MOPs in DO-181D
- Completed baseline addition of Appendix B
 - Rolls ADLP requirements from DO-218A into the Appendix
 - Updates all GICB Register to be consistent with ICAO 9871
 - Updates MSP Section to be consistent with ICAO 9871
 - Provides Test Procedures for ADLP Functions
- Added Detailed ELS Requirements in section 2.24
 - Need to update due to changes at ICAO ASP TSG
 - Detailed Test Procedures in section 2.6 are at 95%
- Added detailed EHS Requirements in section 2.25
 - Minor updates required due to ICAO ASP TSG discussions
 - Detailed Test Procedures in section 2.7 are at 75% but not entered into document yet

SC-209 Activity Summary (continued)

- Updating Test Procedures throughout DO-181D as needed
- Completed Proposal to reclassify Level 2 Transponders to Level 2A / 2B
 - Basically Not Acceptable to Eurocae WG-49 and ICAO ASP TSG
- Continuing to negotiate differences between RTCA DO-181C/D and Eurocae ED-73B/C
 - Resolved:
 - Most BDS 1,0 Issues
 - Most BDS 4,0 Issues
 - P1-P3-P4 Acceptance. e.g., leading edge versus P4 trailing edge
 - Still in Work:
 - Standby / On / Off default mode and terminology
 - Interrogation Recovery Test Procedures
 - SARPs changes, e.g., CW Interference
 - Hardware / Software Design Requirement Levels

SC-209 Activity Summary (continued)

- TSO / ETSO Harmonization
 - Continuing work between EASA and FAA
- Completed Draft Update to DO-144, ATCRBS MOPS
- Major Issues in Work
 - Hijack Mode: Remains in ED-73B/C, Not in DO-181C/D
 - Environmental Test Procedures
 - Reduced Set of Procedures applied in DO-181X
 - Full Ambient Set of Procedures applied in ED-73X
 - ATCRBS Reply Rate Issues
 - ICAO and ED-73B/C require 1,200 (1,000) rate Continuous
 - DO-181X Require 1,200 (1,000) for 100 milliseconds and tested accordingly
 - DO-181X requires minimum of 500 per second continuous

SC-209 Activity Summary (continued)

- Schedule:
 - Activities are reasonably on schedule for WG completion by end of July
 - May be delayed due to resolution of issues and resource bandwidth