MINUTES OF THE 25th PLENARY MEETING OF WG-78/SC-214
“Standards for Air Traffic Data Communication Services”

Date 13 January 2016
Place WEBEX Meeting
Hosted by RTCA

The attendees included:

Co-Chairs SC-214/WG-78
Jerome Condis    Airbus
Charles Stewart   United Airlines

Secretary SC-214/WG-78
Jane Hamelink    Thane, Inc.

Members (Present)
Christopher Adams  MUAC
Frederic Beltrando  Airbus
Mathias Boddicker   US Navy
Willem Brondsema  Eurocontrol
Kim Cardosi    VOLPE
Marc Charbon    NAV Canada
Gary Colledge    INMARSAT
Jerome Condis    Airbus France
Cedric D’Silva   Thales
Alex Engel    EUROCAE
John Gonda      MITRE
Christine Haissig Consulting LLC
Jane Hamelink    Thane, Inc.
Joachim Hochwarth    GE Aviation Systems
Karan Hoffman    RTCA
Santi Ibarz     Airtel-ATN
Alexander Ives    INMARSAT
Mike Jackson    Honeywell
Meeting Objectives:

1. Resolve issue that came up after last plenary resolution and approval of comments received during FRAC / Open consultation of Revision A to Baseline 2 Standards SPR and INTEROPS

2. Approve the documents for submission to RTCA PMC and EUROCAE Council for publication

1. Plenary 25 Welcome/Introductions and Administrative Remarks

Jerome Condis, welcomed members to Plenary 25 WEBEX meeting.

In accordance with RTCA policy, Thomas Mustach, the designated FAA representative, opened the meeting by reading the following text: “In accordance with the Federal Advisory Committee Act, this Advisory Committee meeting is OPEN TO THE PUBLIC. Notice of the meeting was published in the Federal Register on: January 4, 2016. Attendance is open to the interested public. With the approval of the Chairman, members of public may present oral or written statements at the meeting. Persons wishing to present or obtain information should coordinate with RTCA Program Director – Karan Hofmann and the Co-Chairs – Chuck Stewart and Jerome Condis

Karan Hoffman reminded the joint committee that none of the material should be proprietary material.

2. Approval of the agenda of Plenary 25

Jerome Condis, co-chair, presented the Plenary 25 agenda, which was approved as shown below:

1. Welcome/Introduction/Administrative Remarks
2. Approval of the Agenda of Plenary 25
3. Approval of the Minutes of Plenary 24
4. Description of new finding and approach to resolve
5. Approval of resolution and submission of documents to RTCA PMC and EUROCAE Council for publication
6. Adjourn

3. Approval of the minutes of Plenary 24

The Plenary 24 minutes were approved without modification
4. Description of new finding and approach to resolve

a. ADS-C EPP Discontinuity Issue

Thierry presented the concern from Honeywell that there is no capability in EPP to indicate a discontinuity in the aircraft FMS active flight plan. (see *ADS-C EPP Change Proposal_Discontinuity.ppt*)

Christopher Adams (MUAC controller)
- confirmed that there is a need to know about discontinuities; if received from ADS report, such information could reduce false alerts that result today from ground based determination,
- if provided in ADS-C EPP, strongly prefers the followed-by (rather than preceded by).

Joachim (GE) indicated that standard should indicate that there may be other type of discontinuities. He took the action to propose text to include this as a Note in Annex B.

Cedric (Thales Avionics) indicated that, as per navigation standards, the discontinuity representation by the FMS is relative to the leg to the waypoint and not from the waypoint. As a consequence, he considered that adopting a “followed by discontinuity” approach in EPP was inconsistent with this.

b. OPA Discussion

Tom Kraft presented amendments proposed by the OPA team (*P25_ED228 DO350-RevA-OPA Amendments-OPA.Team.ppt*):

- Alignment of definition for RSP data delivery time (Appendix F):
  - Relationship with ICAO PBCS Manual
  - ADS-C Demand Reports can now be included in ADS-C report delivery time measurements against RSP specification
  - Inclusion of ADS-C report generation time
  - Need for a new ADSC-OR-xx for the ADS-C application
- Alignment of Definitions of OPA Terms (Appendix D, E, F)
  - e.g. ADS-C: Replacement of ‘Transaction’ with ‘Data Delivery’
  - e.g. CPDLC: Replacement of ‘TRN’ with ‘RCMP’
  - Ripple effect on Appendix E and F.

5. Approval of resolution and submission of documents to RTCA PMC and EUROCAE Council for publication (see *WG78/SC214 P25 decisions.pptx*)

**Decision P25: 1**

- Disco in ADS-C EPP (Honeywell)
  - Operational need agreed
  - Change in the document agreed (followed-by-disco added in lateralType* + note for other type of discontinuities)

* The majority opinion was that the EPP is not meant to represent a trajectory by using leg types per any of the navigation standards (ARINC 424, DO-236C, etc.). All ground stakeholders confirmed the followed-by-disco approach was much preferred from operational perspective. All airborne stakeholders, except Thales Avionics, agreed this option was acceptable as it would not imply any unacceptable complexity onboard.

**Action P25-1:** Cedric to confirm Thales Avionics position (preceded-by vs. followed –by). If this ended up being unacceptable, Thales Avionics would have the possibility to raise a Dissenting Opinion in the published standards.

**Action P25-2:** Joachim to provide note for B2 standard indicating that there are other types of discontinuities.
**Action P25-3:** Fred/Jane Thierry: Lateral type definition in B2 standard will be modified for both CPDLC and ADS-C to reflect followed-by-disco type.

**Decision P25-2:** RSP specification and basic data / time in ADS-C reports (OPA Team)
- Issue recognized
- Resolution agreed to clarify the:
  1. applicability of RSP180/400 to reports that does not include predicted data, and
  2. applicability of RSP160 to reports that include predicted data

**Action P25-4:** Dedicated team (candidate members: send an email to Thomas, Jane, Chuck and Jerome) to coordinate the final detailed document changes in compliance with the above decision by end Jan 2016.

**Decision P25-3:** Provided these resolutions are completed, P25 approves the document for submission to PMC/Council for publication.

6. **Adjourn**

Plenary 25 was adjourned.

All the papers referred to in these minutes can be downloaded from [http://workspace.rtca.org/apps/org/workgroup/sc-214/documents](http://workspace.rtca.org/apps/org/workgroup/sc-214/documents).

Jane Hamelink  
Secretary, SC-214/WG-78

CERTIFIED as a true and accurate summary of the meeting.

Charles Stewart  
Co-Chairman, SC-214/WG-78

Jerome Condis  
Co-Chairman, SC-214/WG-78