



EUR 397-15/ WG78-35
 RTCA Paper No. 337-15/SC214-74

December 21, 2015

MINUTES OF THE 24th PLENARY MEETING OF WG-78/SC-214
“Standards for Air Traffic Data Communication Services”

<i>Date</i>	<i>7-10 December 2015</i>
<i>Place</i>	<i>Paris, France</i>
<i>Hosted by</i>	<i>AIRBUS Group</i>

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)

Frederic Beltrando	Airbus
Randy Bone	MITRE
John Brown	Boeing
Jiri Burda	Honeywell International
Kim Cardosi	VOLPE
Marc Charron	NAV Canada
Scott Conde	NATCA/FAA SME
Jerome Condis	Airbus France
Cedric D’Silva	Thales
Alex Engel	EUROCAE
John Gonda	MITRE
Christine Haissig	Christine Haissig Consulting LLC
Jane Hamelink	Thane, Inc.
Joachim Hochwarth	GE Aviation Systems
Karan Hofmann	RTCA
Santi Ibarz	Airtel-ATN
Mike Jackson	Honeywell
Ken Jones	NASA

Todd Kilbourne	System Enginuity, Inc.
Tom Kraft	Federal Aviation Administration
Michael Laurent	Dassault Aviation
Thierry Lelievre	ALTRAN
Tracy Lennertz	VOLPE
Olivier Lezerat	Airbus
Angel David Mancebo	EASA
Thomas Mustach	Federal Aviation Administration
Dung Nguyen	The Boeing Corporation
Madhu Niraula	Rockwell
Mark Patterson	Federal Aviation Administration
Frederic Picard	Thales
Pascal Rohault	Thales
Gordon Sandall	The Boeing Company
Randy Sheng	Honeywell
Charles Stewart	United Airlines
Rip Torn	IFALPA
Willie Truong	Honeywell
Dongsong Zeng	Mitre

In accordance with the Federal Advisory Committee Act, Thomas Mustach, Federal Aviation Administration (FAA), was the designated Federal Representative for this meeting.

Meeting Objectives:

- Finalize resolutions for comments received during FRAC / Open consultation of Revision A to Baseline 2 Standards SPR and INTEROPS
- Approve the documents for submission to RTCA PMC and EUROCAE Council for publication
- Confirm RTCA SC-214 and EUROCAE WG-78 committee future status and organization after ToRs completion

1. Plenary 24 Welcome/Introductions and Administrative Remarks

Jerome Condis, welcomed members to Plenary 24 at Airbus Group in Paris, France.

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: September 22, 2015.

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 Hofmann presented the RTCA Propriety References Policy (see *SC-214 December 2015 Public Annoucement.pptx*)

2. Approval of the agenda of Plenary 24

Jerome Condis, co-chair, presented the Plenary 24 agenda, which was approved as shown below:

1. Welcome/Introduction/Administrative Remarks
2. Approval of the Agenda of Plenary 24
3. Approval of the Minutes of Plenary 23
 - a. Review Action Item Status
4. Coordination Status with ICAO
5. Status of FRAC / Open Consultation of B2 Rev A Standards
 - a. Comments status and resolution summary
 - b. Main outstanding issues requiring committee assessment for resolution
6. Progress status of VDL2 standards
7. Review of Position Papers and Contributions
8. Approval of Sub-Group Meeting Objectives
9. Sub-Group Reports
 - a. Comments status and resolution summary
 - b. Confirm action plan to close last outstanding comments
10. Approval of Rev A of Baseline 2 documents for submission to RTCA PMC and EUROCAE Council for publication
11. Organization and status of EUROCAE WG-78 and RTCA SC-214 after Plenary 24
12. Any Other Business
13. Adjourn

3. Approval of the minutes of Plenary 23 and review of actions items

The Plenary 23 minutes were approved without modification.

There were 4 actions item from Plenary 23:

Action P23-1: Jerome to facilitate coordination of States comment on PANS ATM that could impact B2 Standards.

Closed: ICAO Secretariat prepared a paper documenting results of ICAO States Consultation for the CPDLC message set, which was submitted as a comment during FRAC/Open Consultation process. The B2 standards were updated accordingly.

Action P23-2: Jerome/Chuck to confirm if TORs need updating by having wind part of appropriate external standards (i.e. AEEC) instead of in the B2 standards.

Closed: Both Chuck and Jerome indicated that ToRs don't need to be updated for this matter.

Action P23-3: Jerome to coordinate with SC-228 and then provide feedback to JARUS by end of September 2015.

Closed: Jerome coordinated with SC-228 and submitted SC214 feedback as agreed in P23 via a paper to JARUS.

Note: *No feedback on the response to Jarus has been received.*

Action P23-4: Mike Jackson (as part of SC-227) to confirm how RNP precedence works.

Closed: Mike noted that the precedence rules should be handled in by RTCA SC-227. (The B2 standard now contains the following note: *After loading UM345, the RNP, if any, is subject to the RNP precedence rules as per applicable navigation standard.*)

4. Coordination Activities with ICAO OPLINK

Jerome provided a status of the coordination with OPLINK Panel (see *WG78 P24 - CPDLC Msg Set (OPLINK feedback).pptx*).

The plenary agreed to:

- not reinstate UM147 REQUEST (Position Report) and associated DM48 (Position Report), even though this has been done in PANS ATM amendment, which covers existing implementations only (used for CPDLC connection transfers). B2 standards provide alternate enablers to support transfer of CPDLC connections.
- keep “At Pilots Discretion” UM and DM as part of B2 CPDLC message set, even though these have been removed in PANS ATM amendment. The operational need has been expressed by two members, and has been deemed critical to be covered by future B2 implementations. Inclusion of these message elements in ICAO has to be achieved when B2 will be included (further operational assessment to be achieved to complement PANS ATM for the related procedure).

5. Status of B2 Rev A Standards, discussions on outstanding issues

Action P24-1: Chuck to ensure coordination with SC227 to consider if additional provisions are necessary in navigation standards to address the RNP precedence rules with regards to the use of RNP uplinked via CPDLC.

Closed: An ISRA has been initiated to formally address the need with SC227.

Overview and Highlight of significant Issues from the FRAC/Open Consultation Process:

- Thierry presented the status and issues on the on Volume 1 of the SPR (see *SC214-WG78_Plenary#24_CSG Progress Report_7Dec201_Final after P24.ppt*)
- Randy Bone and Ken Jones presented the status on IM-AACD and IM-PTM (see *IM data comm FRAC comment review- SC-214 WG78 Plenary mtg 2015-12-07.pptx*)
- Thomas Mustach presented the status of Volume II of the SPR (see *OSA-OPA Progress Report for Plenary 24.ppt*)
- Frederic Picard presented the status of the Interop Document (see *SC214-WG78 Plenary 24 - INTEROP Status - V0.3.ppt*)

6. Progress status of VDL2 standards

Dongsong presented the VDL Mode-2 status. (See *VDLSG_SC-214 Plenary 24_Dec_2015_v1.pptx*).

7. Review of Position Papers and Contributions

ATC Winds

Jerome presented a follow-on paper on ATC winds (See *ATC Winds approach.docx*). He reaffirmed that AEEC standards modification will provide the provisions to support wind update service in AEEC 622 standard.

Action P24-2: Chuck to ensure coordination with RTCA/FAA to get concurrence on the ATC Winds approach proposed by the committee. Jerome to confirm the same approach is agreed by EUROCAE.

Closed: Chuck confirmed that FAA (Doug Arbuckle and Don Walker) concurred and will present to RTCA PMC December 15, 2015. Jerome confirmed that EUROCAE considers the work done by WG78 is sufficient to answer community expectations wrt ATC Winds definition.

The Plenary noted that the following companies (along with the FAA) committed to work on AEEC 622 to provide the ATC wind requirements: Boeing, Airbus, Honeywell, General Electric, and Rockwell Collins.

Baseline 2 Initial European Implementation

Jerome presented a paper of the initial European implementation plan. (See *POS-PL-B2 Baseline for initial Europe implementation v2.docx*).

A very large scale demonstration (VLD) of a few hundred aircraft equipped with certified B2 avionics in a close to operational environment is planned.

The initial implementation will use the Rev A of the B2 standards, but limit the scope to that of the initial release services (no DRNP or IM).

Decision P24-1: As recommended by the working paper, the plenary agreed that the Initial release is totally superseded by Revision A.

8. Approval of Sub-Group Meeting Objectives

Approval was given to the sub-groups to progress work on the FRAC/Open Consultation comment resolution as per initial agenda.

9. Sub-group Report and Assignment of Action Items

Thierry presented the sub-groups progress report (see *SC214-WG78_Plenary_24_SPRINTEROP Wrap-up_10Dec2015 after P24.ppt*). He noted that all comments of FRAC/Open Consultation have resolution. Some comments have still to be included in the document. The Revision A documents will be delivered by end of January to EUROCAE and RTCA secretariat.

10. Approval of Rev A of Baseline 2 documents for to RTCA Council and Eurocae for Publication

Decision P24-2: The Plenary approved the B2 Rev A Baseline 2 documents for submission to RTCA and EUROCAE.

Post Meeting Note: Following the Plenary #24, an additional comment was raised against the documents which will be discussed and resolved by a plenary WebEx in January 2016. The target date for submission to EUROCAE/RTCA Secretariat is maintained.

11. Organization and status of EUROCAE WG-78 and RTCA SC-214 after Plenary 24

Jerome presented EUROCAE status about TORs completion and suture status of WG-78 (see *WG78 - Status after P24.pptx*).

- EUROCAE considers the work done by WG-78 is sufficient to answer community expectations wrt ATC Winds definition
- WG-78 will be put into dormant state, and expected that committee could be reactivated when relevant. Any EUROCAE member can request reactivation or the committee may be reactivated if SC-214 is reactivated. Maintaining joint standards for data communications is required.

Chuck confirmed SC-214 would follow the same paradigm, with the exception of VDL2 sub-group, which will remain active (joint with WG-92).

12. Any Other Business

It was noted that ICAO coordination should be pursued.

13. Adjourn

The group thanked Airbus for the welcome and excellent support.
Plenary 24 was adjourned.

All the papers referred to in these minutes can be downloaded from
<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-78i

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