



**THE THIRTY-SIXTH MEETING OF THE
INFORMAL SOUTH PACIFIC ATS CO-ORDINATING
GROUP (ISPACG/36)**

**FANS Interoperability Team Meeting
(FIT/29)**

(Virtual, 10-11 August 2022)

Presented by: Federal Aviation Administration

Updates from Operational Data Link Working Group (OPDLWG)



**Federal Aviation
Administration**



Overview

- ICAO ANC roundtable
- CP-OPDLWG Project Teams
- Updates from OPDLWG/11



ANC roundtable

- **First meeting of the Air Navigation Commission (ANC) Roundtable with Panel and Specific Working Group (SWG) Chairs, held virtually on 21 February 2022**
 - Intended to become annual or bi-annual
 - Reviewed results of Panel Chair survey and consequential initiatives undertaken in response
 - Next meeting agenda was intended to include a cross-cutting technical theme (e.g. performance-based standards, cybersecurity, system-wide information management, trajectory-based operations)



CP-OPDLWG Project Teams

AIR-GROUND DATA LINK

Job card: CP-OPDLWG.001.02

Lead: Bjarni Stefánsson,
Iceland

Consequential
amendments to
Annexes and PANS
related to GOLD,
Edition 2

PBCS

Job card: CP-OPDLWG.002.02

Lead: Theresa Brewer, US

Clarify and improve
monitoring guidance

Clarify and improve
explanation of CSP
allocations and
compliance

Incorporating RCP130 in
coordination with
SC214/WG78

Clarifying and improving
safety requirements in
coordination with
SC214/WG78

GROUND-GROUND DATA LINK

Job card: CP-OPDLWG.003.01

Lead: Andreas Krebber,
Germany

Global guidance
document for ATS
Inter-Facility Data-
Link Communication
(AIDC)

VOICE

Job card: CP-OPDLWG.005.01

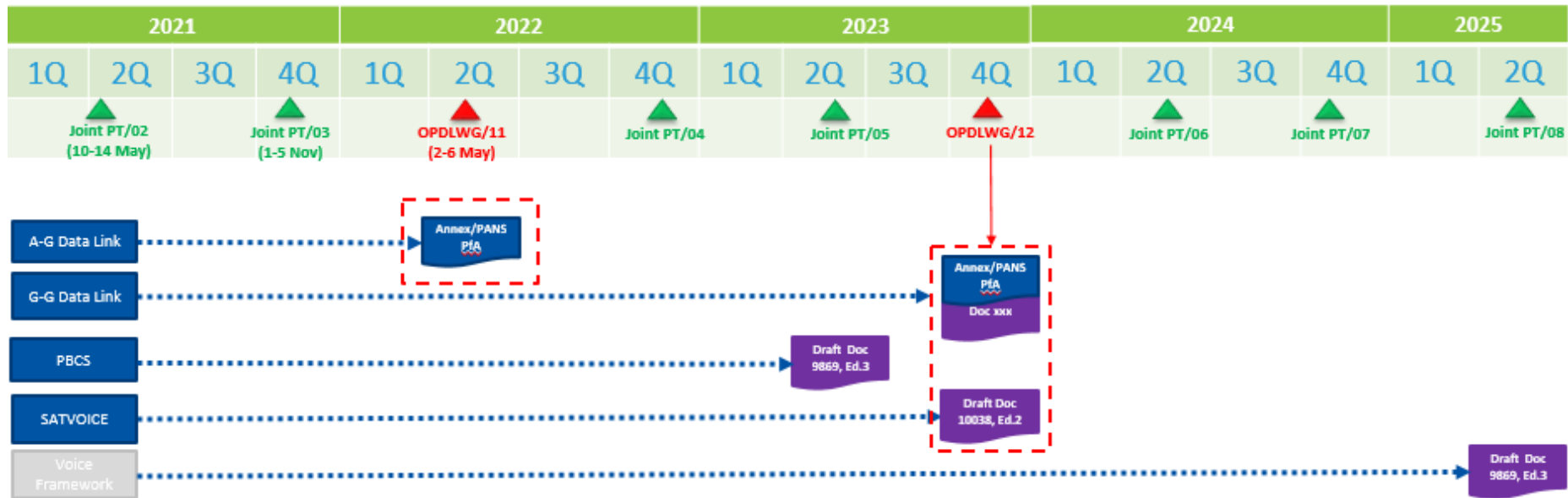
Lead: Lisa Bee, Inmarsat

Revisions to
SATVOICE guidance
material

Develop
recommendations for
use of dual SATCOM as
long range communication
system (LRCS)

Develop RCP
Specification(s) for
voice

Meeting schedules and targets for work completion



2022

- ✓ OPDLWG/11, Virtual, 2-6 May 2022
- OPDLWG-JPT/4, Montreal, 14-18 November (IATA)

2023

- OPDLWG-JPT/5, Location TBD, 15-19 May
- OPDLWG/12, Montreal, 6-10 November

Agenda item 2: Implementation updates and identified problems for A-G, G-G, PBCS, Voice

- **A-G:** main challenges included: phased implementation strategy, the installation of the updated ATC system, the ATCO training, variations in avionic systems and managing that within the ground systems, variations in technical performance, specifically uplink failure rates, avionics interoperability issues with varying degrees of operational impact.
- **G-G:** main challenges included: compliance of States' ATC systems to the AIDC, regional coordination, and occasional failure of AIDC when LAM/ACP messages were not received.
- **PBCS:** main challenges included: workload required for PBCS monitoring and reporting, the low data counts, low equipage rate at an initial stage, the update of half degree tracks, monitoring and managing non-performing flights, operator's perception of the need for PBCS.
- **Voice:** main challenges included a number of technical barriers and associated costs.



Agenda item 4 recommendation

Recommendation 4/1 — Amendment to Annexes 2, 10 (Volume II), 11, PANS-ATM (Doc 4444) and PANS-ABC (8400) concerning air-ground data link operations

That Annexes Amendment to Annexes 2, 10 (Volume II), 11, PANS-ATM (Doc 4444) and PANS-ABC (8400) concerning air-ground data link operations and ATS surveillance services be amended as shown in Appendices B through E to the Report. **[to be appended after the OPDLWG/11 extended session on July 5]**

Proposals for amendment (PfA) concerning Air-Ground data link and ATS surveillance service

- Proposal for amendment and rationale reviewed during OPDLWG/11
 - Subsequent revision and OPDLWG review
 - Virtual meeting held on 6 July to review and finalize PfA along with impact assessment and implementation plan
- OPDLWG/11 Report expected to be finalized by 30 August, with PfA
- Coordination with ATMOPSP and FLTOPSP expected to occur during September to November
- Secretariat review and coordination expected to occur during September to November
- OPDLWG-Joint Project Teams meeting (JPT/04) to be held in November
- Presentation to the ANC following JPT/04 (TBD)

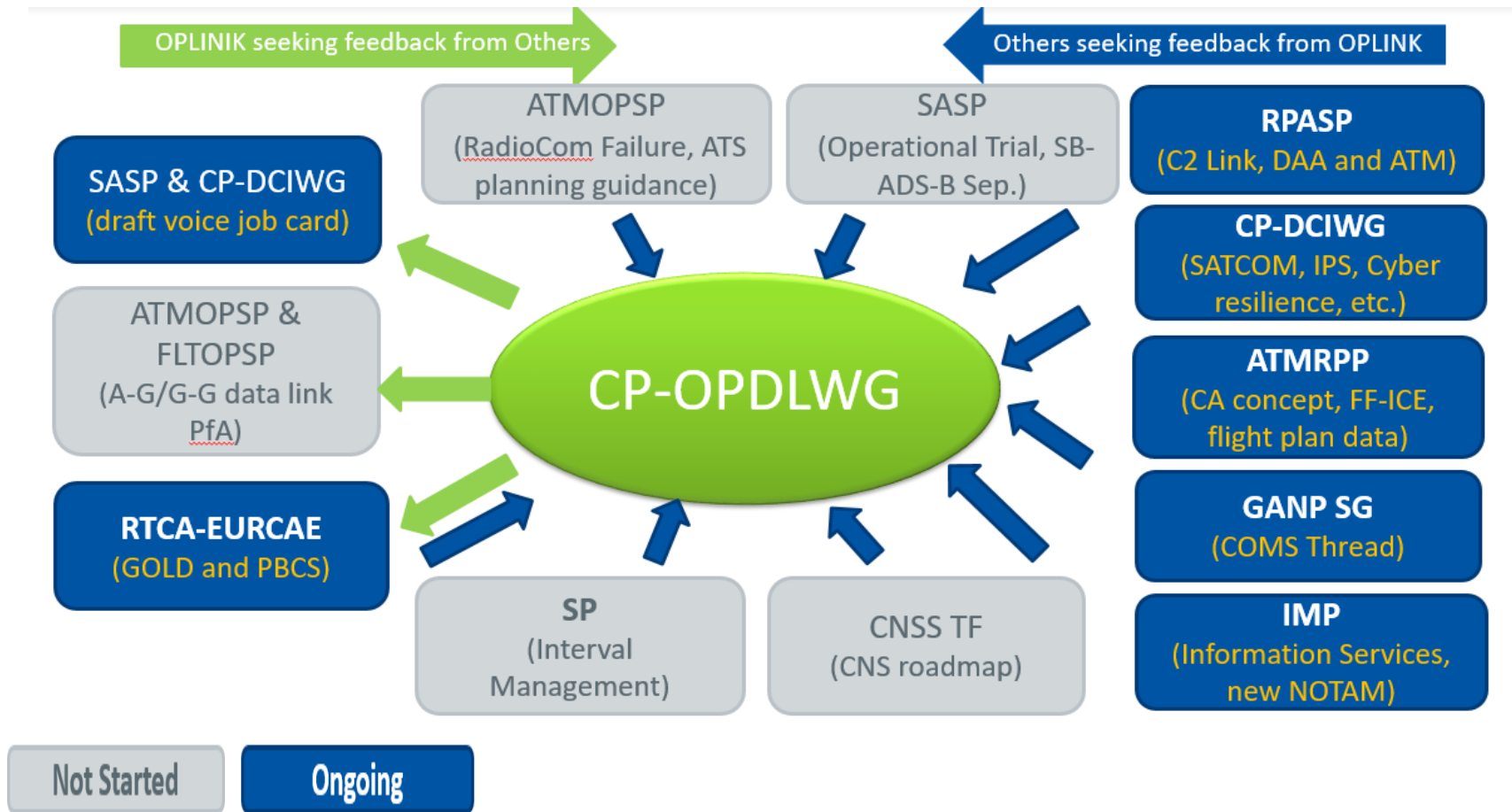
PBCS PT updates

- Challenges in meeting the target delivery date for completing all planned items
 - Need to align with the outcome of SC214-WG78 with respect to RCP130 and RSP/160 and availability discussion (refer to 7.2.2 under Agenda Item 7), which would continue until the end of 2022
 - Ideally would include new RCP specification(s) for voice communications
- Concerns with ICAO publication timelines raised - Secretary advised that PBCS would not follow same track as the GOLD, which went through a complete overhaul and treated as a new Edition
- Discussed possibility of splitting work into Edition 3 (to better support current implementations) and Edition 4 (to support future implementations)
- Meeting requested the PBCS PT to provide recommendations to the OPDLWG with respect to the scope and timeline for the 3rd Edition of the PBCS Manual

Voice PT updates and new actions

- SATVOICE guidance material – PT needs an extension of the target delivery date from Q2/2022 to Q4/2023
- Meeting agreed to the necessary changes to the Job Card 005 for extended target dates and additional work items
- As to the restructure of the SATVOICE PT, the meeting will discuss the subject once the ANC approves the proposed changes to the OPDLWG work programme (revisions to Job Card 005 and a new job card)
- Meeting requested that the authors of WP/5, WP/6, WP/7 and IP/10 continue to progress the work and submit updated papers to OPDLWG-JPT/4

Inter-panel coordination



Job cards

No.	Job Cards	Target Date	Remarks
1	CP-OPDLWG.001.03 Provisions related to ADS-C/CPDLC/DLIC	Q1/2022	Change the status to “Delivered.”
2	CP-OPDLWG.002.03 Performance-based communication and surveillance	Q2/2023	No change
3	CP-OPDLWG.003.02 Guidance on ATS inter-facility data communication (AIDC)	Q4/2021 Q1/2022	Change the target delivery to Q4/2023
4	CP-OPDLWG.005.02 Improvement of Long Range Voice Communications	Q2/2022	<p>WPE10124: Change the target delivery to Q4.2023</p> <p>WPE 10125: Delete the item on the condition for approval of a new job card on RCP specification on voice communication</p> <p>New WPE: Add a new task to develop an implementation strategy for using SATCOM as a sole LARCS means. (WPE: work programme element)</p>

Agenda item 8 recommendations

Recommendation 8/1 —Approval of proposed revisions to OPDLWG job cards

That the revised OPDLWG job cards as provided in Appendix B be approved.

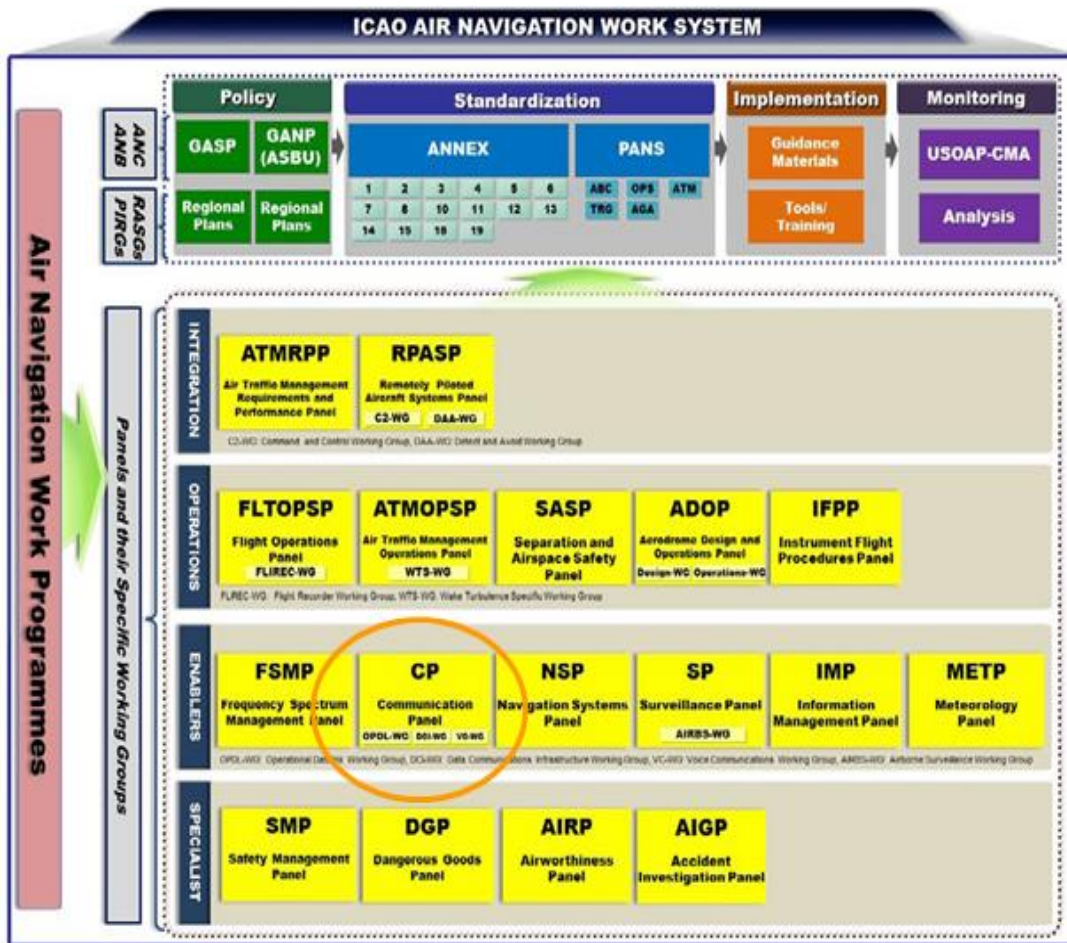
Recommendation 8/2 —Approval of a new OPDLWG job card concerning the Development of RCP Parameters for Voice Communications

That the OPDLWG be approved to progress the work outlined in the proposed job card titled Development of RCP Parameters for Voice Communications in Appendix C to the Report on Agenda Item 8.

Questions



Communication Panel (CP)



- Undertakes specific studies and develops technical and operational ICAO provisions for ATM voice and data communications systems, supporting procedures and their applications
- CP subgroups:
 - **OPDLWG** (Operational Data link Working Group)
 - **DCIWG** (Data Communications Infrastructure Working Group)

The Operational Data Link Specific Working Group (formerly known as OPLINKP)

- Aims to advance the use and performance of datalink and satellite voice technologies, addressing all operational aspects of ATS that use these technologies for communications, whether between aircraft and the ground or multiple ground facilities

