

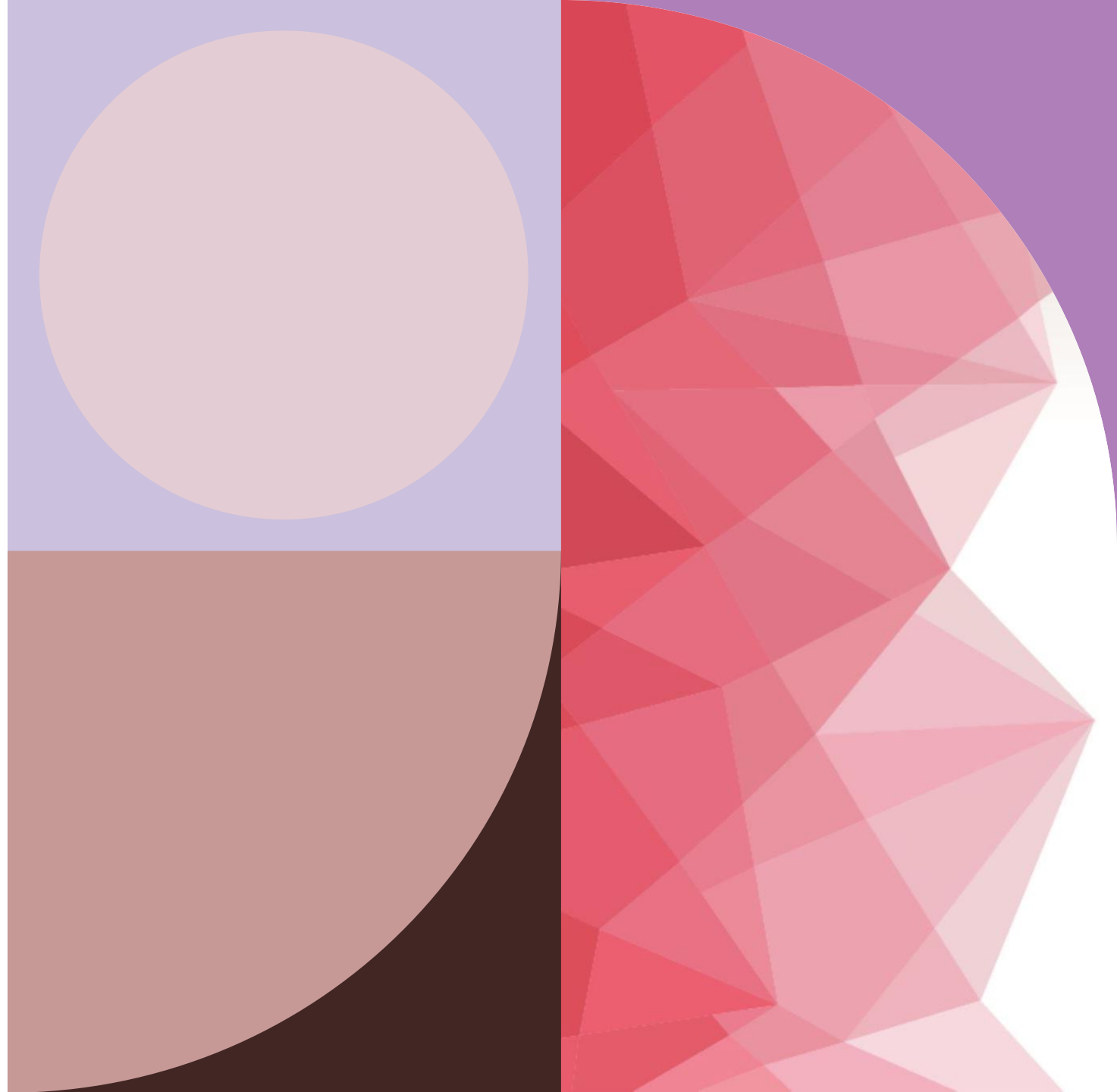
**THE THIRTY-SEVENTH MEETING OF THE  
INFORMAL SOUTH PACIFIC ATS CO-ORDINATING  
GROUP (ISPACG/37)**

**FANS Interoperability Team Meeting  
(FIT/30)**

(Papeete, Tahiti, 26 April 2023)

**Updates from  
Operational Data  
Link Working  
Group (OPDLWG)**

Presented by ISPACG FIT Chair



# Agenda

- Datalink
- PBCS
- Voice
- Interpanel Coordination

# 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

Job Card: CP-OPDLWG.006.01

Lead: Lisa Bee, Inmarsat

Revisions to SATVOICE guidance material  
Lead: Shelley Bailey

Develop recommendations for use of dual SATCOM as long range communication system (LRCS)  
Lead: Lisa Bee

Develop RCP Specification(s) for voice  
Lead: Thomas Mustache, Kim Cardosi

# Data Link

## Ground-ground Data Link Project Team

- Plan to present proposals for amendment to Annexes/PANS by OPDLWG-JPT/5 (May 2023).
- Plan to complete amendments for OPDLWG endorsement at OPDLWG/12 (Nov 2023)

## Air-ground Data Link Project Team

- Completing amendments to draft Edition 2 of the GOLD Manual for OPDLWG's final endorsement at OPDLWG/12
- The members were also invited to provide an update on the implementation of data link services.
- The meeting discussed the transition and backwards compatibility between FAN 1/A to B1/B2. The meeting agreed to consider the subject in the future meeting of the ODPWG. Members to review Job Card CP.001 and propose amendments considering if the job card:
  - a) indicates challenges/problems that the world is to be faced with
  - b) identifies all necessary tasks to address mixed-mode operation and transition to B2

# PBCS Project Team

- Completing amendments to draft ICAO Doc 9869, PBCS Manual, Edition 3 for endorsement at OPDLWG/12.

# PBCS Project Team: CSP Improvements

- Examined specific use cases that enable communication services providers (CSPs) to develop new KPIs to quickly identify if the concerned elements of the CSP network have performed as expected.
- Appendix D of the PBCS Manual will include guidance for:
  - measuring parameters to take into consideration different characteristics of dissimilar technologies (e.g., FANS vs ATN/OSI vs IPS);
  - clarifying what can be measured by CSPs for FANS 1/A - RCP240/RSP180 vs. ATN applications
  - The team will further investigate the inclusion of failed messages.

# PBCS Project Team: SC-214 / WG-78 Activity

- The RTCA Final Review and Comment (FRAC)/ EUROCAE Open Consultation (OC) process: The target for FRAC comment resolution was April 2023, with an expected publication date of June 2023. Main outcomes of the SC-214 #42/ WG-78 #33 meeting summarized below:
- **RSP160 latency and continuity allocations** considering the impacts of adding the EPP calculations to the ADS-C reports
- **Inconsistencies with respect to Dynamic RNP:** solve inconsistency by adjusting SC3 to SC4 (with corresponding changes to Operational Hazard Tables)
- **Availability (unplanned outages and efficiency criteria):** change the values associated with duration while keeping the correct number of unplanned outages, and; continue the discussion associated with the removal of efficiency criteria (99.99%)
- **Continuity:** agree on “no change” in the values and provide clarification to ensure uniform interpretation; describe the purpose and use of local safety assessment processes to ensure sufficient mitigations and level of safety when the 99.9% target cannot be met.

# SVOM Subgroup

- Completing amendments to Ed 2 of ICAO Doc 10038 for OPDLWG's final endorsement at OPDLWG/12
- Significant restructure/rewrite



# New Voice Spec Subgroup

- OPDLWG reviewed a DCIWG prepared Annex 10, Vol III Proposal for Amendment that includes new requirements for DCPC SATVOICE
  - OPDLWG comments under review by DCIWG
- Conduct a further investigation on the current use of RCP400<sub>VRO</sub> and possible implications of removing it from the 3rd Edition of the PBCS Manual
- New Job Card for development of Voice RCP approved by ANC
  - New Voice Spec team to develop workplan
  - Two voice RCPs under development for DCPC voice communications:
    - a) RCP V1, where the loss of communications could result in a MAJOR hazard
    - b) RCP V2, where the loss of communications could result in a MINOR hazard

# Dual Satcom as Sole Means LRCS Subgroup

- OPDLWG reviewed Annex 10 Vol III PfA from DCIWG re; Use of AMS(R)S as sole means LRCS
- Modification of Long Range Voice Job Card approved by ANC to develop guidance for ICAO Doc 10038, SVOM
- Voice PT examined the SESAR Voice Technical Note dual satcom failure analysis, presented the analysis to NAT TIG/14 and solicited feedback from full OPDLWG and NAT TIG regarding feasibility of failure mode mitigations
- Met with Voice TN primary author to address submitted comments
- Identifying areas for guidance development and recommendations for local, regional, industry data collection

# Interpanel Coordination

- Annex 10 Vols II and III Proposals for Amendment from DCIWG concerning Class B SATCOM Systems; updates to ATN/IPS requirements re; IPS mobility across multiple media, naming and addressing, IPS Security, Quality of Service (QOS), system management and overall transitional aspects.
  - OPDLWG comments under review by DCIWG
- Annex 10 Volume VI PfA concerning C2 Link Required Link Performance
  - OPDLWG comments under review by RPASP
- Annex 10, Vol IV, PfA relating to SSR mode S transponders, 1090 Mhz Extended Squitter and ADS-B, ACAAS and Airborne Surveillance Applications)
  - OPDLWG tasked to review
- Revised draft FF ICE Implementation Guidance and Connected Aircraft Concept from ATMRPP
  - OPDLWG tasked to review