



International Civil Aviation Organization

The Fifth Meeting of the Future Air Navigation Systems Interoperability Team-Asia (FIT-Asia/5)

Bangkok, Thailand, 05 – 06 May 2016

Agenda Item 4: Performance-Based Communications and Surveillance - Operational Data Link Seminar Outcomes

FLIMSY 1: FIT-ASIA ACTIONS ARISING FROM THE OPERATIONAL DATA LINK SEMINAR

(Presented by the Secretariat)

SUMMARY

This paper complements FIT-Asia/5 WP/06, providing information and proposed actions for FIT-Asia arising from the outcomes of the Operational Data Link Seminar.

1. INTRODUCTION

1.1 The Operational Data Link Seminar was held immediately before FIT-Asia/5. Outcomes are summarized in presentation SP02 – Outcomes from the Operational Data Link Seminar.

2. DISCUSSION

ICAO PBCS Provision References

2.1 New ICAO provisions for performance-based communications and surveillance are included in amendments to the following Annexes to the Convention on Civil Aviation and Procedures for Air Navigation Services (PANS) documents:

- Annex 6 – Operation of Aircraft;
 - Part I – International Commercial Air Transport – Aeroplanes;
 - Part II – International General Aviation – Aeroplanes;
 - Part III – International Operations – Helicopters.
- Annex 11 – Air Traffic Services;
- Annex 15 – Aeronautical Information Services;
- Doc 4444 – PANS-ATM; and
- Doc 8400 – PANS ABC.

2.2 These provisions were communicated to States in ICAO State Letters distributed by ICAO HQ in June 2015:

- SP 52/4-15/44 (and Corrigendum); and
- AN 13/2.5-15/45

Action Items

2.3 **FIT-Asia States:** Review the ICAO PBCS Provisions (**SP02 Slides 4 and 5**)

2.4 **State Letter from ICAO RD to APAC States to:**

- Reference to the HQ State Letters 15/44 and 15/55;
- Highlight the applicability date of ICAO provisions relating to PBCS and performance-based separation minima – 10 November 2016;
- Request that States review the ICAO PBCS provisions (**SP02 Slides 4 and 5**) and supporting manuals (**SP02 Slide 6**);
- Reference to the outcomes of the Seminar and FIT-Asia/5, and the intention to propose relevant Draft Conclusions to APANPIRG/27, through the appropriate APANPIRG Sub-Groups:
 - Urging States to complete the following by Nov 2016 (**SP02 Slide 7**):
 - Establish policies for aircraft operators to be eligible to file RCP/RSP indicators in the flight plan;
 - Ensure operators are prepared to be eligible and their systems are updated to insert the RCP/RSP indicators in the flight plan;
 - Establish and promulgate Operator Requirements through advisory circular or other relevant State instrument. Guidance in PBCS Manual to facilitate standardization of States' policies (**SP02 Slide 10**)
 - ANSPs to be prepared to provide PBCS monitoring data to relevant parties to facilitate the making of any necessary State compliance finding for *operations* (**meeting to discuss**: SP02 slide 7 used the term *operational approval*, which may need to be replaced by words reflecting *establishment of policies*).
 - ANSPs to modify their systems to use RCP/RSP indicators in system processing and decision support tools for the application of performance-based separation minima.
 - States to coordinate on Proposal/s for Amendment (PfA) to ICAO Doc 7030 – Regional Supplementary Procedures and prescribe relevant RCP/RSP specifications in AIP.
- Highlight the recommendations to APANPIRG arising from the Seminar and FIT-Asia/5;
- Include information on the challenges and issues (**SP02 Slides 8 and 9**) that States should consider (**meeting to discuss**: Should this rather be the subject of a guidance checklist to be proposed to APANPIRG for approval?)

- Survey States on the current and planned implementation of performance-based separation.

2.5 **FIT-Asia** to examine relevant meeting reports and other appropriate sources including Asia/Pacific Seamless ATM Plan State implementation reporting to supplement the information gained from the survey included in the abovementioned State Letter.

2.6 **FIT-Asia** to propose an APAC PBCS Transition Strategy:

2.7 **FIT-Asia**, coordinating with and assisted by IPACG (through Japan) and ISPACG (through New Zealand) to propose/develop an APAC PBCS Transition Strategy (**SP02 Slides 11, to 16**), taking into consideration:

- Address use of RCP/RSP indicators in FPL, to complement the use of RNP indicators;
- States and operators not likely to be ready to file RCP/RSP indicators by the applicability date Nov 2016;
- Some ANSPs may not be ready to process RCP/RSP indicators received in FPL;
- Implementation of the 23 NM lateral separation minimum to replace the current 30NM minimum;
- Inclusion of a checklist of State readiness (**SP02 Slide 18**)

2.8 **FIT-Asia** to recommend to APANPIRG, through RASMAG, and include in the Regional Transition Strategy, Option 3 of the following (**SP02 Slides 14 and 15**):

1. Stop applying the separation minima until PBCS is fully implemented

use of RCP / RSP flight plan designators by ANSPs beginning November 2016 would, in effect, stop applying the application of existing PBN-based separation minima if many operators are not eligible to file RCP / RSP indicators in FPL eligible

2. Consider them to be “trial” status

3. Continue with the operational implementation under certain conditions

2.9 **FIT-Asia** to develop, in coordination with NAT Region (?), IPACG and ISPACG (**SP02 Slide 19**):

- A draft Proposal for Amendment (PfA) to Doc 7030; and
- Proposed common language for State documents such as AIP and AIC

2.10 ICAO Secretariat to coordinate as necessary with the following (**SP02 Slide 20**):

Group	Next Meeting Dates
RASMAG	14-17 June 2016
ATM Sub-Group of APANPIRG	4-8 July 2016
CNS Sub-Group of APANPIRG	11-15 July 2016
APANPIRG	7-10 September 2016
IPACG (through Japan, via correspondence)	12-16 September 2016
ISPACG (through New Zealand, via correspondence)	TBA

2.11 xx

Proposed Draft Conclusions and Decisions

2.12 PBCS Operator Requirements (**SP02 Slide 12**)

Draft Conclusion FIT-Asia/5-1: PBCS Operator Requirements

That, States are urged to take appropriate measures to develop, establish and implement necessary policies and procedures to enable operators conducting flights in ~~Flight Information Regions (FIRs)~~ ~~airspace~~ where separations are dependent on performance-based communication and surveillance (PBCS) to start using required communication performance (RCP) / required surveillance performance (RSP) flight plan designators as soon as possible. This should take into account:

- a) time for the operator to comply with the States' policies; and
- b) the need for the ANSP ~~State~~ to distribute data from PBCS monitoring programs, as necessary.

2.13 Regional Transition Strategy (**SP02 Slides 11 to 16**). Note that the timing of the development of the Transition Strategy will be likely to result in its first presentation being to the ATM Sub-Group of APANPIRG.

Draft Conclusion ATM/SG/4-X: Asia/Pacific Region PBCS Transition Strategy

That, the Asia/Pacific Region PBCS Transition Strategy be endorsed, and posted on the Asia/Pacific Regional Office website

2.14 Common date for State/Sub-Regional implementation of the use of RCP/RSP flight plan designators by ANSPs (**SP02 Slide 16**):

Draft Conclusion FIT-Asia/5-2: Implementation of ICAO Provisions for PBCS

That, ANSPs ~~States~~ that ~~apply or~~ plan to apply 30 NM and/or 50 NM longitudinal separation minima and/or 23 NM lateral separation minimum implement the capability to process ICAO PBCS flight plan indicators by not later than ~~[AIRAC date]~~ 9 November 2017.

2.15 Asia/Pacific Transition Strategy – Seamless PBCS Planning Chart (SP02 Slide 17)

Decision FIT-Asia/5-3: PBCS Planning Chart

That, to facilitate standardized tracking, recording and reporting of PBCS planning and implementation status, the PBCS Planning Chart at **Appendix X** to the report be utilized.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) ensure the proposed Actions, Draft Conclusions and Decision adequately cover the outcomes of the Operational Data Link Seminar;
- c) Agree to the proposed Draft Conclusions and Decision; and
- d) discuss any relevant matters as appropriate.

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