



International Civil Aviation Organization

**THE FIRST MEETING OF ASIA/PACIFIC ATS INTER-FACILITY
DATA-LINK COMMUNICATION (AIDC) IMPLEMENTATION
TASK FORCE (APA TF/1) OF APANPIRG**

Bangkok, Thailand, 16 -18 June 2015

Agenda Item 3: Review of outcomes of relevant meetings and AIDC Seminars in 2014

OUTCOME OF APANPIRG/25 ON AIDC

(Presented by the Secretariat)

SUMMARY

This paper reviews the outcome of APANPIRG/25 on ATS Interfacility Data Communication related matters including discussion on the same subject by the Eighteenth CNS Sub-group meeting.

1. Introduction

1.1 APANPIRG/25 meeting held in September 2014 in Malaysia reviewed the outcome of the Eighteenth Meeting of CNS Sub-group (CNS SG/18) on the AIDC related information.

2. Discussion

2.1 CNS SG/18 and APANPIRG/25 meetings noted the outcome of several APANPIRG contributory bodies regarding the discussions on the need of urgent AIDC implementation in Asia and Pacific regions in order to enhance flight safety and increase efficiency of ATS.

Follow-up to AN-Conf/12 Recommendations

2.1.1 The meeting noted the consolidated comments/responses received from States/Administrations, ADS-B SITF and ACSICG etc. and adopted the following Conclusion:

Conclusion APANPIRG 25/27 – AN-Conf/12 Recommendations

That, the regional response to the Recommendations of the AN-Conf/12, in APANPIRG/25/WP09 Appendix A and flimsy 2 be adopted as guidance for consideration by the States.

(A number of actions need to be further followed up by APA Task Force)

2.1.2 The CNS SG/18 meeting reviewed and endorsed the latest draft of the Pan Regional APAC/NAT AIDC ICD (Version 0.91). Later Version 0.92 was issued as outcome of Teleconference on 6 August 2014 which is provided in WP09, Appendix O. The ICD was initially developed based on the APAC AIDC ICD Version 3.0 and NAT AIDC ICD Version 1.3.0. It was anticipated that the ICD would likely be adopted by IMG in NAT Region in November 2014 then get NAT SPG agreement through correspondence by the end of 2014 (already adopted). In view of the foregoing, the meeting adopted following Conclusion:

Conclusion APANPIRG 25/35 – Adoption of Pan Regional ICD for AIDC

That, the Pan Regional ICD for AIDC provided in APANPIRG/25/WP09, Appendix O, be adopted as Version 1.0 serving as regional guidance for AIDC implementation in the APAC and NAT Regions.

2.1.3 Considering the tasks given by NAT SPG through Conclusion 48/28 and APANPIRG through Conclusion 23/20 being completed once the PAN regional ICD for AIDC is adopted by both the regions, the CNS SG/18 meeting agreed that IRAIDC Task Force be dissolved after adoption of the Version 1 of PAN Inter-regional ICD for AIDC by NAT SPG. Accordingly APANPIRG made the following Decision:

Decision APANPIRG 25/36 – Dissolving Inter-regional AIDC Task Force

That, once Version 1 of the PAN Inter-regional ICD for AIDC is adopted by both APAC and NAT Regions, the Inter-regional AIDC Task Force established through NAT SPG Conclusion 48/28 and APANPIRG Conclusion 23/20 be dissolved.

2.1.4 Noting APANPIRG Conclusion 24/17: AIDC Implementation and Conclusion 24/27: Prioritization of AIDC Implementation to Address LHDs, and the continued incidence of LHDs in the BOB and SCS area, the CNS SG/18 meeting agreed on the terms of reference of an AIDC implementation task force to solve identified problems in an effective manner in the short term and support the achievement of AIDC-related regional targets (phase 1 target for 2015 and prepare implementation of phase 2 target for 2018 as far as practicable) in the mid-term.

2.1.5 The ATM/SG/2 meeting also noted that it would be beneficial to form a short-term AIDC Implementation Task Force that focused on the South China Sea (SCS) and Bay of Bengal (BOB) and endorsed the following RASMAG Draft Conclusion 19/4: Asia/Pacific AIDC Implementation Task Force. Therefore, the meeting adopted following Decision:

Decision APANPIRG 25/37 – AIDC Implementation Task Force

That, the AIDC Implementation Task Force be established with Terms of Reference provided in APANPIRG/25/WP09, Appendix D.

2.1.6 The Terms of Reference is provided in the Attachment to this paper for review by the meeting.

2.1.7 The meeting was informed that a SIP AIDC Seminar was held from 28-31 October 2014 where an action plan on current issues have been identified and progressed, including those issues linked with interfaces between AIDC and OLDI-based implementations. (The outcome of the Seminar will be presented for consideration through a separate paper.

2.1.8 Given the need to minimize the implementation issues with AIDC, the CNS SG/18 meeting noted that involved stakeholders would have to plan their activities concurrently and exchange and coordinate their plan and modalities bilaterally with concerned Administrations to achieve harmonious AIDC implementation in the Region. Bilateral implementation of the PAN Regional ICD would require strict bilateral agreements or Memorandum of Understanding (MOU) on AIDC arrangements and synchronization of technology refresh cycles and maintaining backward compatibility of the automation systems for smooth exchange of AIDC messages. In view of the foregoing, the following Conclusion was adopted by APANPIRG:

Conclusion APANPIRG 25/38 – Harmonization for AIDC Implementation

That, States/Administrations in the APAC Region be urged to share their implementation plans and experiences with concerned States for an expeditious AIDC implementation in a harmonized and timely manner.

2.1.9 In connection with conclusion 18/12 about adoption of Pan Regional ICD for AIDC and conclusion 18/8 about harmonization for AIDC Implementation, India expressed its concern over the operational issues in the implementation of AIDC with MID/EAST and East African Region. APANPIRG/25 noted that ICAO may consider resolving the inter-regional issues as has been achieved in the case of APAC and NAT Region.

2.1.10 In following the APANPIRG Conclusions, state letters were issued and distributed to Administrations and States for necessary actions. The above two draft Conclusions were highlighted in the State Letter of Invitation for this meeting.

3. Action by the Meeting

3.1 The meeting is invited to review the outcome of the APANPIRG/25 and the attached Terms of Reference of this Task Force.

ASIA/PACIFIC
ATS INTER-FACILITY DATA-LINK COORDINATION (AIDC)
TASK FORCE (APA/TF)
TERMS OF REFERENCE

APA/TF Objective and Scope

The Asia/Pacific ATS Inter-Facility Data-Link Coordination Task Force (APA/TF) shall be responsible for overseeing the expedition of AIDC implementation in accordance with the Asia/Pacific Seamless ATM Plan within the Asian Region, with a particular focus on the Bay of Bengal (BOB) and South China Sea (SCS) areas.

Tasks

The APA/TF shall support the implementation of AIDC within the Asia/Pacific Region by:

- a) identifying problems and barriers for implementation of AIDC, with a particular focus on the BOB and SCS areas and establish an **action plan** committing the stakeholders to agreed and realistic* milestones. The action plan should prioritize the actions according to the potential safety impacts of the considered issues and **use the most efficient mechanisms** including Small Working Groups (SWGs), aviation industry teams and/or Go-teams (subject to funding) where required, to directly assist Asia/Pacific administrations within the BOB and SCS areas;
- b) **solving the problems** according to the action plan; and
- c) taking any appropriate action **to meet the AIDC regional targets (phase 1 for 2015 and prepare phase 2018)** as far as practicable, including the development of Asia/Pacific AIDC implementation guidance material* to complement ICAO Standards and Recommended Practices and the deliverables of the ICAO Inter-Regional AIDC Task Force (IRAIDC TF).

* This means that the milestones will take into account the delays induced by funding and implementation of ATM systems upgrades and associated procedures if needed.

** Such guidance material should take into account the density and complexity of air traffic (including the prevalence of ATC coordination errors), the requirements for User Preferred Routing (UPR) and Dynamic Airborne Re-route Planning (DARP), the Flight Information Region Boundary (FIRB) proximity to departure and arrival aerodromes or other FIRBs and ancillary AIDC functions (including automated transfer of Controller-Pilot Data-link Communications (CPDLC) data authority).

Frequency

The APA/TF shall meet approximately twice a year and will use webconferences.

Schedule

The TF should complete its work in accordance with the planning. An indication could be 1 to 2 years for tasks a) and b) and 2 to 3 years for task c).

Reporting

The TF should report to APANPIRG through CNS SG.

Composition of APA/TF

The APA/TF will consist of ATM and CNS representatives from Asia/Pacific States (ANS Providers), IATA, CANSO, IFALPA and IFATCA. Experts on AIDC from outside the Asia/Pacific may attend if their technical input would be beneficial to the APA/TF.

Trans-regional States to the Asia/Pacific concerned by the action plan or having an interest in AIDC may also be invited.
