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Summary Report on APANPIRG/27

Presented by
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1. APANPIRG/27 Meeting - Overview

- 27th APANPIRG Meeting was held in Bangkok, Thailand from 5 to 8 September 2016;
- 154 participants attended from 28 Member States, 2 SARs of China, and 6 International Organizations (CANSO, IATA, IBAC, ICCAIA, IFAIMA & IFALPA) and one from Industry (SITA);
- Meeting adopted 50 Conclusions and 6 Decisions.
- The APANPIRG/27 Meeting Report was reviewed by ANC Working Group of the Whole for Strategic Review and Planning on 23 November 2016 [AN-WP/9085].



1. APANPIRG/27 Meeting - Overview

- Follow-up actions by the Secretariat on **APANPIRG/27 Conclusions and Decisions** :
 - The follow-up action on **44 Conclusions and 6 Decisions** was completed/or closed, which resulted in **89%** completion of the planned action.
 - Actions on **6 Conclusions** [12, 50, 51, 52, 54 & 55] are in progress.
- Actions on **2 Outstanding Conclusions** from **APANPIRG/26 Action Plan** are in progress:
 - APANPIRG 26/28 & 50



2. Progress of regional GANP implementation

- APANPIRG/27 reviewed the status of the implementation of the Seamless ATM Plan submitted by States through the online reporting system.
- APANPIRG/27 noted that ten regional priorities/targets, which are priority-1 implementation elements of the Seamless ATM Plan were far behind the implementation schedule, and requested that States/Administrations give improvements with higher priority in their national strategy and mobilize human and financial resources to expedite the implementation.
- APANPIRG/27 agreed to change the target date of Phase 2 of the Seamless ATM Plan from November 2018 to November 2019 (due to slow implementation of Phase 1 and Phase 2 and extension of ASBU Block-0 to 2019 by the 39th Assembly)
- APANPIRG/27 urged States/Administrations not done so to submit implementation report through the on-line reporting system.

2.1 Progress of implementation of regional priorities

ADS-C, CPDLC	B0-TBO
Strategic Civil Military coordination	Regional
Tactical Civil Military coordination	Regional
ATS surveillance with data integrated	B0-ASUR
ATS Inter-facility Data-link Communications (AIDC)	B0-FICE
Civil Military use of Special Use of Airspace (SUA)	B0-FRTO
Approaches, including PBN	B0-APTA
Air Traffic Flow Management/Collaborative Decision-Making (ATFM/CDM)	B0-NOPS
ADS-B airspace	B0-ASUR
Aeronautical Information Management (AIM)	B0-DATM

Level of implementation of ten regional priorities is as follows:

- **green:** pace of implementation was good and regional implementation was seamless
- **blue:** pace of implementation was rather good
- **yellow:** implementation was partial and pace was too slow
- **orange:** pace of implementation was far too slow and regional implementation was not seamless



3. APANPIRG 27 – Key Achievements

1) Regional ANP in new format:

Asia/Pacific Air Navigation Plan, Volume I (Nov. 2016) , Volume II (Jan. 2017) & Volume III (May 2017);

2) Updated/developed and posted in ICAO APAC Website:

- i. Asia/Pacific Seamless ATM Plan, Version 2.0, September 2016 [after an extensive review of the regional situation and the ASBU Block 1 elements];
- ii. Seamless ATM Implementation Guidance, Version 5.0, September 2016;
- iii. Asia/Pacific Region ATM Contingency Plan, Version 1.0, September 2016;
- iv. Asia/Pacific Framework for Collaborative ATFM, Version 2.0, September 2016 [to include new implementation guidance material];



2) Updated/developed and posted in ICAO APAC Website (contd.):

- V. Guidance Manual for Aeronautical Information Services (AIS) in the Asia/Pacific Region, First Edition 2002 with Chapter 3 - Operating Procedures for AIS Dynamic Data (OPADD), Edition 4;
- VI. Asia/Pacific Search and Rescue (SAR) Plan, Version 2.0, September 2016 [developed a new 41 element monitoring programme for SAR implementation];
- VII. GBAS Ionospheric Threat Model for APAC Region, 31 January 2017
- VIII. GBAS Safety Assessment Guidance related to Anomalous Ionospheric Conditions, Edition 1.0, September 2016;
- IX. SBAS Safety Assessment Guidance related to Anomalous Ionospheric Conditions, Edition 1.0, September 2016;



2) Updated/developed and posted in ICAO APAC Website (Cont'd.):

- x. Revised Navigation Strategy for the Asia/Pacific Region, July 2016;
- xi. ADS-B Implementation and Operations Guidance Document (AIGD), Edition 9, September 2016;
- xii. Asia/Pacific Regional Guidance on Aerodrome Tsunami Warnings and their Integration into National Public Safety Plans for Tsunami, Version 1.0, 8 September 2016.



3) Developed:

- a) the PBN Highways concept for high density routing systems between major conurbations, in consultation with the EUR/NAT Office through the AIRARD/TF;
- b) a contingency plan for Somalia airspace, in conjunction with the ESAF and MID Offices.

4) Monitored:

- a) the capability of Afghanistan Air Navigation Services, and the contingency plans related to the Kabul FIR [in conjunction with the MID and EUR/NAT Offices];
- b) the safety performance of airspace through FIT-Asia and RASMAG, including review of safety 'hot spots' such as Bay of Bengal airspace and the AKARA Corridor.

5) Contributed Asia/Pacific experience to the development of the new ICAO document on civil/military cooperation.



- 6) **Completed** the draft of AIDC Implementation Guidance Document;
- 7) **Successfully implementation** of the global VHF frequency management tool i.e. Frequency Finder for APAC Region;
- 8) **Common Service Provider** for CRV project in APAC has been **selected** and **developed** the core provisions for States to contract with the common service provider;
- 9) **Conducted** regional preparatory meeting for ITU WRC-2019;



10) Established following Task force(s) and Working Group(s):

- a) Asia/Pacific Airport Collaborative Decision Making Task Force (APA-CDM/TF);
- b) Asia/Pacific Unmanned Aircraft Systems Task Force (APUAS/TF);
- c) Common Regional Virtual Private Network (VPN) Operations Group (CRV OG)

11) Conducted Workshops/Seminars:

- a) Airport Collaborative Decision Making (19 April 2017, Kunming China);
- b) ATCO/ATSEP Competency – based Training and Assessment, 19 – 23 June 2017, Bangkok;
- c) MET/ATM Seminar, 16 May 2017, Fukuoka, Japan
- d) Surveillance Seminar, 12 June, Ulaanbaatar, Mongolia



4. RASMAG/22 OUTCOMES

- The Twenty-Second Meeting of the Regional Airspace Safety Monitoring Advisory Group (RASMAG/22) was held from 10 – 13 July 2017 at Bangkok, Thailand.
- RASMAG/22 Outcomes are presented as IP. Some important key aspects of the IP are:
 - 1) safety concerns related to the application of Reduced Vertical Separation Minimum and with the continued presence of non-RVSM compliant aircraft.
 - 2) Inconsistent datalink monitoring and airspace safety reporting.
 - 3) Safety risks regarding the western and eastern boundaries of India's airspace, and the Manila Flight Information Region.
 - 4) RASMAG also revealed the extreme lack of tolerance for any vertical deviation within the AKARA Corridor (within the Incheon FIR).
 - 5) For the ATM Subgroup's part, the associated latent safety issues associated with AKARA corridor meant that the Republic of Korea, Japan, and China would be asked to establish short-term safety mitigation measures in the airspace concerned.
 - 6) the significant air traffic delays being reported across the region (especially in North Asian Airspace), which in part had been noted since 2015



5. Inter-regional PIRG coordination matters - 1

- APANPIRG noted that the following issues will require inter-regional coordination with other Regional Offices.
 - PBCS (Performance Based Communication and Surveillance) Operator Requirements, State Implementation of ICAO Provisions for PBCS and PBCS Training Strategy (Conclusion 27/7, Conclusion 27/8 and Conclusion 27/9)
 - Special Coordination meeting on Afghanistan contingency planning (25 August 2016, Dubai, UAE) discussed contingency bypass plan for the Kabul FIR (Decision ATM/SG/4-13)
 - Asia/Pacific Unmanned Aircraft Systems (UAS) Task Force (Conclusion 27/17)
 - Common Aeronautical VPN (CRV) Operations Group (Conclusion 27/33)
 - RNP2 Implementation Guidance (Conclusion 27/35)
 - Protection of GNSS signal against jamming (Conclusion 27/36)



5. Inter-regional PIRG coordination matters - 2

- Preparations for ITU (International Telecommunication Union) World Radio-communication Conference 2019 (WRC-19) (Conclusion 27/45)
- Expedited availability of extended AMHS (Conclusion 27/50)



6. Intra-regional PIRG/RASG coordination matters

- The Fourth APANPIRG/RASG-APAC Coordination Meeting (Bangkok, 6 July 2017).
 - Attended by Chair APANPIRG, Chair & Vice Chair RASG-APAC, Co-Chair APRAST (States) and Secretariat.
 - Agreed on the lead regional group for the different activities such as: Controlled Flight into terrain, Fatigue Risk Management, SSP, ACDM, Laser attack, RPAS, Airspace Contingency etc.
 - Agreed that APANPIRG and RASG-APAC need coordination in the areas of AGA, ANS and English Language Proficiency



7. Proposed additional work items for consideration in the ANC Work Programme

1. Guidance Material for Operational Trials in Oceanic airspace (APANPIRG Conclusion 27/28)
2. RNP 2 implementation with harmonizing procedure globally (APANPIRG Conclusion 27/35)
3. Guidance on SMS SARPS for the meteorological authority and meteorological service provider (APANPIRG Conclusion 27/52)



8. **Outputs, lessons learned and best practices for sharing with other region PIRG, or to be considered for global reference**

■ APANPIRG

Regional guidance materials endorsed by APANPIRG could be shared with other regions for reference.

- Asia/Pacific Search and Rescue (SAR) Plan (Updated version)
- Asia/Pacific Regional Framework for Collaborative ATFM (Updated version)
- Regional ATM Contingency Plan



9. Pending Items by ANC on Decisions/Conclusions of APANPIRG

- ANC is requested to expedite with ANB the publication of a Global Guidance on AIS-AIM transition as the lack of ICAO guidance has effect on the implementation of AIM transition. Conclusion 26/18
- Update the templates for advisory messages for Tropical Cyclones [Annex 3, Table A2-2] and SIGMET [and AIRMET] messages [Annex 3, Table A6-1A] to facilitate clarity and consistency of the information. Conclusion 26/53
 - ANC referred to METP for further consideration
- Consider inclusion in Annex 3 of a new provision on the competency of aeronautical meteorological personnel, similar to paragraph 3.7.4 in Annex 15 (2013) on the competency of AIS personnel. Conclusion 26/58.
 - ANC referred to METP for further consideration



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