



57th Conference of Directors General of Civil Aviation Asia and Pacific Regions

Key Outcomes of APANPIRG/32

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Outlines

- 1) APANPIRG/32 Meeting - Overview
- 2) APAC Key Challenges in Air Navigation
- 3) APAC Key Issues in Air Navigation
- 4) APANPIRG/32 Key Conclusions and Outcomes
- 5) Progress on APANPIRG/30 and 31 Conclusions



APANPIRG/32 Meeting - Overview

- 32nd APANPIRG Meeting was held as a video teleconference from 1 – 3 December 2021;
- Attended by 277 participants from 28 Member States, 2 SARs of China, and 8 International Organizations (AAPA, ACI, CANSO, IATA, ICAO, IFALPA, IFATCA and PASO);
- Meeting adopted 10 Conclusions and 4 Decisions.
- The APANPIRG/32 Meeting Report is available at <https://www.icao.int/APAC/Meetings/Pages/2021-APANPIRG32.aspx>



APAC Key Challenges in Air Navigation

- ❑ Recovery of ANSPs and aerodromes from the impact of COVID-19 pandemic
- ❑ Slow implementation progress by States to meet **Beijing Declaration Commitments**
- ❑ Insufficient resources to improve compliance with ICAO provisions
- ❑ Slow implementation progress of APAC Air Navigation Priority Elements of APAC Seamless ANS Plan
- ❑ Development of NANP compatible with RANP
- ❑ Effective Engagement of PSIDS in ICAO Meetings and important activities (Webinars, Workshops, etc)
- ❑ Unavailability of ATS in Kabul FIR – ongoing since 16 August 2021
- ❑ Potential Interference from 5G Implementation to Radio Altimeters in APAC States



APAC Key Issues in Air Navigation



AOP

- ❑ Slow progress of the certification of aerodromes used for international operations and publication of status of the certification in AIP.
- ❑ Certification of military aerodromes used for international operations
- ❑ Table AOP I – 1: International Aerodromes required in the Asia and Pacific Regions, APAC ANP Volume I
- ❑ Establishment of runway safety team (RST)
- ❑ Implementation of Global Reporting Format (GRF) and SNOWTAM by 4 November 2021



ATM

- ❑ **Airspace Management**
 - ATC Separation
 - FIR Definition in APAC ANP
 - Air Traffic Flow Management & COVID-19 recovery planning
 - Civil/Military Cooperation
 - Space Vehicle Launch and Re-entry
- ❑ **National Air Navigation Planning**
- ❑ **Aeronautical Information Management**
- ❑ **Airspace Safety Monitoring – RVSM status of State Aircraft**



CNS

- ❑ Harmonized implementation of CRV at regional level
- ❑ Cybersecurity issue in implementing CNS/ATM infrastructure
- ❑ Potential Interference from 5G Implementation to Radio Altimeters in APAC States
- ❑ Unreliability of Aeronautical Fixed Services communication between Afghanistan and Pakistan
- ❑ Aircraft flying PBN procedures



MET

- ❑ Region-wide implementation of COM necessary to support the IWXXM exchange
- ❑ Implementation of systems and processes to receive the space weather (SWX) advisory messages
- ❑ Resolution of air navigation deficiencies in the MET field, especially in PSIDS
- ❑ Provision of harmonized SIGMET information (across international boundaries)



APANPIRG/32 Key Conclusions and Outcomes



- Conclusion 32/2 – GRF Implementation Monitoring and Status
- Conclusion 32/3 – Implementation of Efficient ATS Horizontal Separations and Transfer of Control Aircraft Spacing
- Conclusion 32/6 – RVSM Approvals Data and Filing of RVSM Indicator in Flight Plans of State Aircraft
- Conclusion 32/7 – Implementation of CRV for small Pacific Island and small ANSP in the region using CRV Solution, PCCWG SLA Package D
- Conclusion 32/8 – Interrogator Code (IC) Planning and Coordination
- Conclusion 32/9 – Transition from II code to II and SI mixed code
- Conclusion 32/10 – The APAC Regional Roadmap for Mode S Implementation
- Conclusion 32/11 – Updating Online Register of IWXXM Exchange Status
- Conclusion 32/13 – Update on the provision of Space Weather Advisory
- Conclusion 32/14 – Update of Information in APANPIRG Air Navigation Deficiencies Reporting Form



APANPIRG/32 – Key Outcomes

- Monitor and track implementation of **Beijing Declaration**
- Generic Documents related to the Certification of Aerodromes
- AKARA-FUKUE Corridor
- Publish APAC Regional Roadmap for Mode S Implementation
- Publication of eleventh edition of the Catalogue of Asia and Pacific Flight Inspection and Flight Validation Service Providers
- Online Register of IWXXM Exchange Status

APANPIRG/32 – Key Outcomes (Cont'd.)

- ICAO APAC Webinars:
 - ATM Safety Assessment in Change Management (2)
 - Fundamentals of Air Navigation Services (ANS) and Flight Safety (15)
 - Global Reporting Format and Wildlife Hazard Management (4)
- States' and APANPIRG' Actions to resolve Air Navigation Deficiency

AN Fields	No of AN DEF resolved in 2020	No of AN DEF resolved in 2021
ATM/AIM/SAR/AOP/CNS/MET	28	16



Progress on APANPIRG/30 & 31 Conclusions

APANPIRG/30: 4 - 6 November 2019 in Bangkok, Thailand

[<https://www.icao.int/APAC/Meetings/Pages/2019-APANPIRG30.aspx>]

APANPIRG/31: 14 – 16 December 2020, VTC

[<https://www.icao.int/APAC/Meetings/Pages/2020-APANPIRG31.aspx>]

- 1) Conclusion 30/6: **ICAO HQ Support for Regional ANS Implementation** related to the Seamless ANS Reporting portal
 - An electronic portal for reporting and monitoring elements of APAC Seamless ANS Plan is under development by HQ ICT
- 2) Conclusion 30/10: **Ballistic Launch and Space Re-Entry Notification and Response**
 - Mandatory Information Request (MIR) was issued by ICAO, and the State's response was reviewed by MO/ANB and ICAO provided a report to the State on 8 Feb 2022. The status of 2 PQs within scope of the MIR, remained non satisfactory and MIR was closed.
- 3) Conclusion APANPIRG/31/7: **Holding Bays and Multiple Entrance Taxiways**
 - Aerodrome Design Working Group is undertaking this task
- 4) Conclusion APANPIRG/31/8: **Alternative Safety Oversight Framework for Military Aerodromes undertaking Limited Civil International Operations**
 - In the process to be addressed in Manual on Certification of Aerodromes (Doc 9774), Second Edition (work in progress).



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