

Outcomes of the Fourteenth Air Navigation Conference (AN-Conf/14)

APANPIRG/35 Meeting

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— AN-Conf/14 Overview

- Held in Montréal, 26 August - 6 September 2024
- 871 representatives
 - 110 Member States & 28 IOs
- Four agenda items under one Committee
- 205 papers were submitted to AN-Conf/14
- 22 recommendations were approved
 - 104 actions >> 45 to States & 59 to ICAO
 - Council & ANC to review >> decisions still pending



— AN-Conf/14 Agenda

Agenda Item 1

ICAO BP & long-term
strategic planning

Agenda Item 2

Timely & safe use of
new technologies

Agenda Item 3

AN system
performance
improvement

Agenda Item 4

Hyper-connectivity of
AN system

— AN-Conf/14 Actions to PIRG & RASG

- Series of actions addressed specifically to PIRGs and RASGs
 - for implementation
 - knowing some actions to States might require regional collaboration
 - and could be as well be part of work of regional groups
- PIRGs & RASGs will be required to report on progress
 - for following actions
 - as part of future meetings' outcomes



— AN-Conf/14 Recommendations AI 1

- RECs address:
 - ICAO's programmatic business planning approach
 - Resilience of AN system
 - Enhanced alignment of GASP & GANP
 - Evolution of ICAO Assembly Technical Commission
- Ensure collective efforts are strategically focused
 - and effectively coordinated



— AN-Conf/14 Actions to PIRG & RASG

- Recommendation 1.1/1 – Support to ICAO’s programmatic business planning approach initiated by BP 2023-2025 priority focus areas
- ICAO through PIRGs & RASGs
 - incorporate initiatives into work programmes & projects
 - taking into account alignment with ICAO PFAs
 - in accordance with GASP & GANP + regional plans
- Recommendation 1.1/2 – Resilience of the air navigation system
- ICAO develop global guidance on ATM contingency management
 - to support implementation of Annex 11
 - including recovery phase + regional frameworks
 - together with States & industry

— AN-Conf/14 Recommendations AI 2

- RECs address:
 - Evolving aircraft technologies contributing to LTAG
 - Safety risks related to new & evolving technologies & concepts
 - GNSS interference & contingency planning
 - Draft 2026-2028 edition of GASP
 - Turbulence encounters as global operational safety risk



— AN-Conf/14 Recommendations AI 2

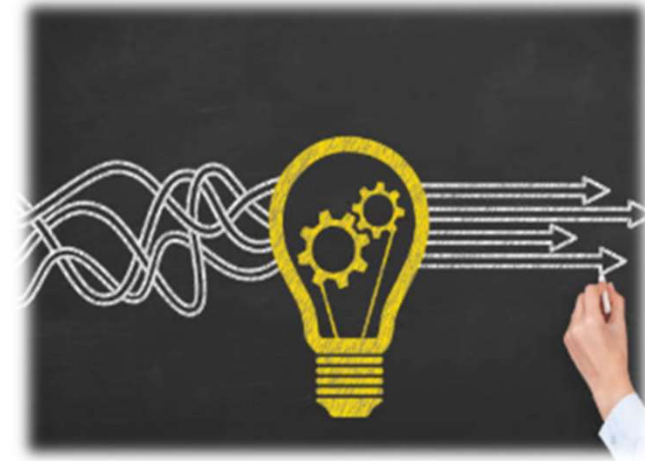
- Agreement on need for harmonized regulatory frameworks to manage emerging technologies
 - such as electric and hybrid propulsion
 - use of regulatory sandboxes was recommended
 - to gather real-world data & enhance awareness of new technologies
- Emphasis on need to address growing threat of GNSS interference
 - improved pilot guidance
 - enhanced information sharing
 - development of more resilient aircraft systems
- Necessity of global contingency plan to manage GNSS outages & continued safe navigation

— AN-Conf/14 Actions to PIRG & RASG

- Recommendation 2.2/1 – Addressing safety risks related to new and evolving aviation technologies and concepts
- States develop harmonized regional regulatory frameworks & interoperable systems
 - to ensure effective integration of UAS, where appropriate
 - through appropriate regional mechanisms
- Recommendation 2.2/2 – Addressing GNSS interference & contingency planning
- States develop regional GNSS reporting mechanisms > via PIRGs
 - to raise ops awareness of affected geographical areas
 - as described in GNSS Manual (Doc 9849)

— AN-Conf/14 Recommendations AI 3

- RECs address:
 - Airspace optimization, airspace classification and delegation
 - Trajectory-based operations
 - Space transport operations, higher airspace operations
 - Phasing out and/or optimizing use of legacy systems
 - Cessation of ICAO 2012 flight plan by 2034
 - Draft 8th edition of GANP



— AN-Conf/14 Recommendations AI 3

- Establishment of frameworks for near-term implementation of procedures
 - such as longitudinal aircraft separation Project 30/10, free route airspace
 - on a wider and more consistent scale
- ICAO explore other min service level procedures in oceanic & remote airspace
- Conduct study into feasibility of AN efficiency audit programme, or other
- Accelerating implementation of TBO enablers
- Target global transition to advanced flight planning mechanism (FF-ICE)
 - by 2034

— AN-Conf/14 Actions to PIRG & RASG

- Recommendation 3.1/1– Optimized implementation of longitudinal separation minima
- States actively collaborate with neighbouring States to implement Project 30/10
 - >> implementation of longitudinal separations of 55.5 km (30 NM) or less in oceanic and remote airspace, and 19 km (10 NM) or less elsewhere
 - within processes of PIRGs
- ICAO develop regional action plans for implementation of Project 30/10
 - through PIRGs

— AN-Conf/14 Actions to PIRG & RASG (2)

- Recommendation 3.2/2 – Transition to FF-ICE services & cessation of ICAO 2012 flight plan by 2034
- States + PIRGs consider establishing regional focus groups for coordinating planning and implementation of FF-ICE services
 - and providing necessary support throughout transition period
- States help develop regional plan to transition to FF-ICE services
 - on basis of 2034 global cessation of ICAO 2012 flight plan
 - through work of PIRGs
- ICAO guide & support development of regional plans to transition to FF-ICE
 - through work of PIRGs

— AN-Conf/14 Recommendations AI 4

- RECs address:
 - validation, standardization and implementation of connected aircraft concept and air-ground connectivity strategy
 - aviation cybersecurity
- Course of actions for States & ICAO to enable hyper-connectivity
 - of AN system



— AN-Conf/14 Actions to PIRG & RASG

- Recommendation 4.2/1 – Aviation cybersecurity
- States to align aviation cybersecurity activities in RASP, R-ANP + security and facilitation plans
 - through coordination processes
 - of PIRGs, RASGs, + regional aviation security and facilitation groups
- States to report to ICAO their experience in implementing ICAO provisions & guidance material related to aviation cybersecurity
 - through appropriate expert group(s) or
 - of PIRGs, RASGs, + regional aviation security and facilitation groups

— Next Steps

- Council to review of report of AN-Conf/14 (through ANC)
 - formalize outcomes of AN-Conf/14
- ICAO 2026-2028 Business Plan & regular programme budget proposals
 - incorporate outcomes and prioritization of AN-Conf/14 RECs
 - subject to Council's decision
- Finalize next GASP & GANP
 - based on AN-Conf/14 RECs
- Conduct an after-action review
 - future improvements + optimizing ICAO workforce
- Ensure AN-Conf/14 outcomes are effectively integrated into ICAO's work



— Meeting is invited to:

- Consider AN-Conf/14 outcomes & RECs
 - to revise work programme
 - of APANPIRG and RASG-APAC accordingly
- Agree on appropriate actions to implement actions addressed to PIRGs & RASGs
 - including necessary development of transition & implementation regional plans
 - for some of topics and projects



Thank You

