



SAFE SKIES.
SUSTAINABLE FUTURE.

Fourth GREPECAS–RASG-PA Joint Meeting and
Twenty-second Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/22)
P/01 Rev. Agenda Item 10

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

Presented by the Secretariat

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

GREPECAS/22 and RASG-PA/14

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Presentation Overview

01 General Overview

02 Conference Outcomes

03 Recommendations

04 Next Steps and New Approach

05 Conclusion

01

AN-Conf/14 Overview

Attendance, Working
Arrangements,
Officers and
Secretariat

- Held in Montréal, 26 August - 6 September 2024
- 871 representatives from
 - 110 Member States and
 - 28 International Organizations
- 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

— Conference Officers and Secretariat Members

Conference:

- **Chairperson:** Ms. P. Assoumou Koki (Cameroon)
- **Vice-Chairperson:** Mr. N. Bin Mahmud (Malaysia)
- **Secretary:** Ms. M. Merkle, Director, Air Navigation Bureau

Committee:

- **Chairperson:** Mr. P. Kelleher (United Kingdom)
- **Vice-Chairperson:** Mr. L. R. de Souza Nascimento (Brazil)
- **Secretary:** Mr. P. Luciani, Deputy Director, Air Navigation and Aviation Safety,

02 AN-Conf/14 Outcomes

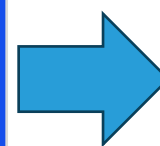


— Conference Theme



Article 37 Adoption of international standards and procedures

....
ICAO shall adopt and amend international standards and recommended practices and procedures.... concerned with the **Safety, Regularity and Efficiency** of air navigation



AN-CONF/14

14th Air Navigation Conference

26 August to 6 September 2024 | Montréal, Canada

Objectives

- **Reach a global consensus on performance improvement initiatives** that will best allow ICAO, Member States and industry to address, in the context of constrained resources, aviation's global environmental challenges and the rapid evolution in aviation operations and technologies.
- **Call for an intentional refocusing of effort** so priority can be given to existing or new technical activities.

— Approved Agenda and Outcomes

Agenda Item 1

ICAO 2023-2025 Business Plan
and long-term strategic
planning

Agenda Item 2

Timely and safe use of new
technologies

Agenda Item 3

Air navigation system
performance improvement

Agenda Item 4

Hyper-connectivity of air
navigation system

- *Informed the aviation community* of the work that is already prioritized and underway in the ICAO 2023-2025 Business Plan
- *Held detailed technical discussions* on new initiatives, leading to agreement on a set of high-level recommendations in the field of air navigation and safety
- *Obtained timely direction* for preparation for the 42nd Session of the ICAO Assembly in 2025


— New Approach for AN-Conf/14

To allow enough time for discussion on interrelated subjects of world-wide scope falling within several air navigation fields



- Single committee
- Limited agenda items
- Focusing on the subjects not yet addressed by:
 - ICAO expert groups
 - Existing work programme
 - AN-Conf/HLSC/HLCC Recommendations
 - Assembly resolutions and decisions

— Guiding Principles (SL 23/12 and 24/12)

- 
- A decorative illustration on the left side of the slide shows several paper airplanes in flight. One prominent red airplane is flying towards the top right, while several white airplanes are scattered below it. The background is a light blue map of the world with white stars, suggesting a global or aviation theme.
- Items should be precisely defined and be included **only if they cannot be resolved or progressed by other means**, such as via ICAO expert groups or through planning and implementation regional groups (PIRGs).
 - Items related to the existing work programme of ICAO may be included **if they identify opportunities to make significant changes** in direction, such as a reprioritization or a change in the scale or the scope of work, or they have reached the necessary maturity for soliciting global direction.
 - Items that have limited applicability, which relate to new complex procedures or address the provision of new equipment, will only be considered **if they have matured to the extent that the necessity for worldwide agreement is apparent**.
 - Items addressing inconsistencies in ICAO documents will only be considered **if there are substantive implications**.
 - Exchange-of-views items should be included **only in those circumstances when a broad discussion is needed on the applicability to civil aviation of new concepts or techniques**.

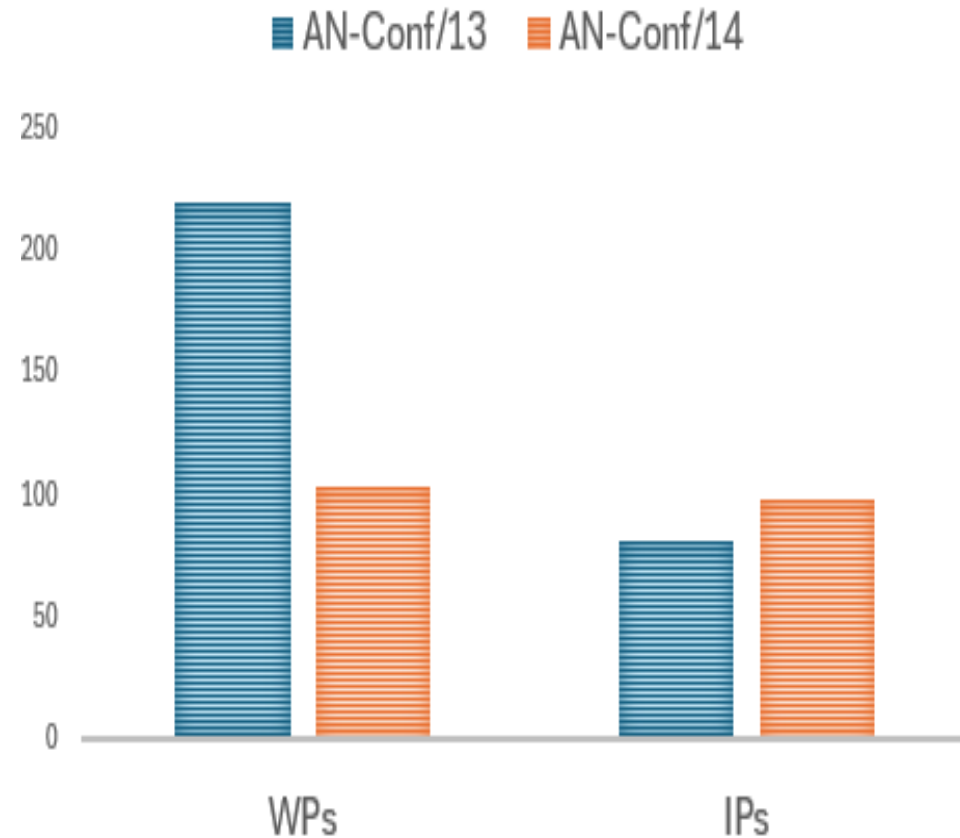
— Information Session

- **Why:**
 - To provide additional information on subjects tabled for discussion
 - To address requests from Member States and international organizations
- **How:**
 - Secretariat PPT (English-only)
 - Followed by Questions and Answers



Conference Papers

- A total of 205 papers
 - 104 working papers
 - 98 information papers
 - 3 working papers were withdrawn
- 31 working papers
 - originally submitted as working papers converted to information papers
 - acknowledged in the Conference report
 - would be forwarded to the appropriate expert group(s)



03
AN-Conf/14
22
Recommendations



— Agenda Item 1: Update on the ICAO 2023-2025 Business Plan and long-term strategic planning

Recommendation 1.1/1 – Support to ICAO’s programmatic business planning approach initiated by the Business Plan 2023-2025 priority focus areas. ·

Recommendation 1.1/2 – Resilience of the air navigation system

Recommendation 1.2/1 – Work towards enhanced alignment of the Global Aviation Safety Plan and the Global Air Navigation Plan Under the sub-item

Recommendation 1.3/1 – Evolution of the ICAO Assembly Technical Commission

— Agenda Item 2: Timely and safe use of new technologies

Recommendation 2.1/1 – Evolving aircraft technologies contributing to the long-term aspirational goal

Recommendation 2.2/1 – Addressing safety risks related to new and evolving aviation technologies and concepts

Recommendation 2.2/2 – Addressing global navigation satellite system interference and contingency planning

Recommendation 2.3/1 – Draft 2026-2028 edition of the Global Aviation Safety Plan (GASP, Doc 10004)

Recommendation 2.3/2 – Turbulence encounters as a global operational safety risk

— Agenda Item 3: Air navigation system performance improvement

Recommendation 3.1/1 – Project 30/10 - Optimized implementation of longitudinal separation minima

Recommendation 3.1/2 – Study into the feasibility of establishing an ICAO air navigation efficiency programme

Recommendation 3.1/3 – Enabling successful deployment of trajectory-based operations

Recommendation 3.1/4 – Free route airspace

Recommendation 3.1/5 – Delegation of responsibility for provision of air traffic services

Recommendation 3.1/6 – Addressing the safe integration of space transport operations into the airspace system

Recommendation 3.1/7 – Higher airspace operations

— Agenda Item 3: Air navigation system performance improvement (Cont'd)

Recommendation 3.2/1 – Phasing out and/or optimizing the use of legacy systems

Recommendation 3.2/2 – Transition to flight and flow – information for a collaborative environment services and cessation of ICAO 2012 flight plan by 2034

Recommendation 3.3/1 — Update to the global strategic level of the seventh edition of the Global Air Navigation Plan (GANP, Doc 9750)

Recommendation 3.3/2 — Update to the global technical level of the seventh edition of the Global Air Navigation Plan and its regional and national levels

— Agenda Item 4: Hyper-connectivity of air navigation system

Recommendation 4.1/1 – Validation, standardization and implementation of the connected aircraft concept and air-ground connectivity strategy

Recommendation 4.2/1 – Aviation cybersecurity

Recommendation 1.1/1 – Support to ICAO’s programmatic business planning approach initiated by the Business Plan 2023 - 2025 priority focus areas

that ICAO:

d) through the planning and implementation regional groups and the regional aviation safety groups, in accordance with the Global Air Navigation Plan and the Global Aviation Safety Plan and their respective regional plans, incorporate into their work programmes and projects, initiatives taking into account alignment with the ICAO priority focus areas.

Recommendation 1.1/2 – Resilience of the air navigation system

that ICAO:

c) together with States and industry, develop global guidance on air traffic management contingency management, including the recovery phase, as well as regional frameworks, to support the implementation of Annex 11 — Air Traffic Services.

Recommendation 2.2/1 – Addressing safety risks related to new and evolving aviation technologies and concepts

that States:

d) develop, through appropriate regional mechanisms, harmonized regional regulatory frameworks and interoperable systems to ensure effective integration of unmanned aircraft systems, where appropriate;

Recommendation 2.2/2 – Addressing global navigation satellite system interference and contingency planning

that States:

b) through the mechanism of the planning and implementation regional groups, develop regional global navigation satellite system reporting mechanisms, to the extent feasible, to raise operational awareness of affected geographical areas as described in the Global Navigation Satellite System (GNSS) Manual (Doc 9849);

Recommendation 3.1/1– Optimized implementation of longitudinal separation minima

that States:

a) within the processes of the planning and implementation regional groups, 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.;

that ICAO:

b) through the planning and implementation regional groups, develop regional action plans for the implementation of Project 30/10;

The following are Actions specifically assigned to PIRGs or RASGs (Cont'd)

Recommendation 3.2/2 – Transition to flight and flow – information for a collaborative environment services and cessation of ICAO 2012 flight plan by 2034

that States:

d) planning and implementation regional groups, consider establishing regional focus groups for coordinating the planning and implementation of flight and flow – information for a collaborative environment services and providing necessary support throughout the transition period; and

e) support and contribute to the work of their respective planning and implementation regional group and their sub-groups to develop a regional plan to transition to flight and flow – information for a collaborative environment services on the basis of the 2034 global cessation of the ICAO 2012 flight plan;

that ICAO:

g) through planning and implementation regional groups, provide guidance and support for the development of regional plans to transition to flight and flow – information for a collaborative environment to enable the 2034 global cessation of the ICAO 2012 flight plan;

The following are Actions specifically assigned to PIRGs or RASGs (Cont'd)

Recommendation 4.2/1 – Aviation cybersecurity

that States:

- b) align aviation cybersecurity activities in the regional air navigation, safety, and security and facilitation plans through the coordination processes of the planning and implementation regional groups, regional aviation safety groups and regional aviation security and facilitation groups; and
- c) report to ICAO their experience in implementing ICAO provisions and guidance material related to aviation cybersecurity, through the appropriate expert group(s) or through the processes of the planning and implementation regional groups, regional aviation safety groups and regional aviation security and facilitation groups;;

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AN-Conf/14

Next steps

- **233rd Session of the Council** - Review of the report of AN-Conf/14 (through ANC)
- **Preparation of business plan and the regular budget proposal(s)** for 2026-2027-2028, taking into account the Conference results and their prioritization, subject to Council decision on the recommendations
- **Preparation of proposals for amendment to the contents of the 5th Edition of the GASP and 8th edition of the GANP.**
- **Issue State letter(s) and promote the results of the Conference through various event opportunities**

Action by the Meeting

The meeting is invited to:

- a) consider the relevant outcome and Recommendations of the AN-Conf/14 during the deliberations of the meeting; and
- b) agree on appropriate actions to implement the actions addressed to the PIRGs and RASGs, including the necessary development of transition and implementation regional plans for some of the topics and projects.

Thank You



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