

**REPORT OF THE LIAISON OFFICER TO THE ICAO  
AIR NAVIGATION COMMISSION**

Presented by the Liaison Officer to the ICAO Air Navigation Commission

**SUMMARY**

This paper summarises the activities of the Liaison Officer to the ICAO Air Navigation Commission (ANC) since the 2024 IFATCA Annual Conference in Singapore. It also summarises important issues considered by the ANC and includes updates to SARPs and procedures relevant to members.

**1. INTRODUCTION**

- 1.1. This report covers the 226<sup>th</sup>, 227<sup>th</sup> and first half of the 228<sup>th</sup> sessions of the ICAO Air Navigation Commission (ANC). The former Liaison Officer to the ANC, Mr Jean-François Lepage, was the IFATCA Observer for the first two sessions with Mr David Perks officially assuming the role for the 228<sup>th</sup> session.
- 1.2. The report includes summaries of the following:
  - Significant issues, reports and reviews arising from the 226<sup>th</sup>, 227<sup>th</sup> and first half of the 228<sup>th</sup> sessions of the ICAO ANC;
  - Proposed amendments to ICAO Standards, Recommended Practices and Procedures;
  - ICAO State Letters relevant to IFATCA;
  - Meetings attended;
  - IFATCA Industry Organisation collaboration;
  - Panel representatives; and
  - Budgetary issues.

**2. ICAO AIR NAVIGATION COMMISSION****226<sup>th</sup> Session of the ICAO Air Navigation Commission (29 April – 21 June 2024)**

- 2.1. The ANC reviewed the following expert group reports (see [APPENDIX A](#)):
  - The 10th meeting of the Flight Operations Panel (FLTOSP/10);
  - The 4th meeting of the Personnel Training and Licencing Panel (PTLP/4);
  - The 10th meeting of the Airworthiness Panel (AIRP/10);

- The 15th meeting of the Flight Recording Specific Working Group (FLIRECSWG/15);
  - The 16th meeting of the Instrument Flight Procedures Panel (IFPP/16); and
  - The 2nd meeting of the Trust Framework Panel (TFP/2).
- 2.2. The ANC conducted the reviews of the following Air Navigation Planning and Implementation Regional Group (PIRGs), Regional Aviation Safety Group RASG reports (see [APPENDIX B](#)) and other regional groups;
- The 21st meeting of the Middle East Air Navigation Planning and Implementation Group (MIDANPIRG/21) and the 11th meeting of the Regional Aviation Safety Group – Middle East (RASG-MID/11);
  - The 34<sup>th</sup> meeting of the Asia Pacific Air Navigation Planning and Implementation Group (APANPIRG/34) and the 13<sup>th</sup> meeting of the Regional Aviation Safety Group – Asia Pacific (RASG-APAC/13); and
  - The 5<sup>th</sup> meeting of the European Aviation System Planning Group (EASPG/5).
- 2.3. The ANC conducted a preliminary review of proposed amendments to PANS-OPS Volumes I and III related to RPAS operations (see [APPENDIX C](#)).
- 2.3.1. After many hours of deliberations, the amendments to PANS-OPS were NOT approved by the ANC, and it was decided to table it for the summer and revisit it during the next ANC Session. The content was not the problem; on the contrary, the ANC was fairly happy with what was proposed. However, the ANC wanted to see how this specific amendment would fit with the upcoming ATM package before making a decision on the approval. There were concerns that without seeing the ATM package, and knowing there is a risk that both would have different applicability dates, there could be implementation problems due to an incomplete “suite” of SARPS. The impact of one package on the other was deemed too important to approve this PANS-OPS portion immediately.
- 2.3.2. The Secretariat will report back in the fall with an overview and a kind of gap analysis with respect to the ATM package, and it is expected the ANC will make a decision then. However, if no decision is made by the end of the fall Session, it will be impossible to retain the current applicability date for the PANS-OPS package. To be followed.
- 2.4. The ANC conducted the final reviews of proposed amendments to following (see [APPENDIX D](#)):
- Annexes 2, 3, 4, 6 (Parts I, II and III), 10 (Vol I), 11, 15, PANS-ATM (Volume III), PANS-ABC and PANS-AIM arising from the 8th and 9th meetings of the Flight Operations Panel (FLTOPSP/8 and FLTOPSP/9);
  - Annex 10 Volume V arising from the 3rd meeting of the Frequency Spectrum Management Panel (FSMP/3); and
  - Annexes 3 and PANS-MET (1st Edition) arising from the 5<sup>th</sup> meeting of the Meteorology Panel (METP/5) with consequential amendments to 6 (Parts I, II, III), 10 (Vol II), 11, 15, PANS-MET (1st Edition), PANS-ABC, PANS-AIM and PANS-ATM.

- 2.5. Other reviews, reports and working papers of note include (see [APPENDIX F](#)):
- Recommended updates to the job card SMP.020.02 from the Safety Management Panel (SMP);
  - Progress report on the development of a ‘standardized roadmap’ to identify aircraft and engine technologies identified in the work associated with the long-term aspirational goal (LTAG) with a view to supporting the effective planning and resource management of ICAO;
  - The proposed terms of reference for a Human Factors Study Group to support the ICAO Secretariat of the work of the various panels and working groups. Much to our surprise, the ANC decided not to support the formation of such a group;
  - Progress report on the implementation prioritization, a mechanism to prioritize the work program (job cards) of the various panels and working groups;
  - Report on the 2023 Safety Recommendations addressed to ICAO stemming from State incident and accident investigations where recommendations have been addressed to ICAO; and
  - Report on the implementation of the resolutions and decisions from the 41<sup>st</sup> General Assembly.
- 2.6. The ANC received the following briefings that may be of interest (see [APPENDIX G](#)):
- ANC Talk Series - JARUS Who are we to ICAO
  - ANC Talk Series - ILAC Experience and Emerging Challenges for RPAS Operation in South America

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- 2.7. The ANC reviewed the following expert group reports (see [APPENDIX A](#)):
- The 5<sup>th</sup> Meeting of the Aerodrome Design and Operations Panel (ADOP/5);
  - The 7<sup>th</sup> Meeting of the Navigation Systems Panel (NSP/7);
  - The 2<sup>nd</sup> Meeting of the Ad-Hoc Cybersecurity Coordination Committee (AHCCC/2);
  - The 35<sup>th</sup> Meeting of the Aviation Security Panel (AVSECP/35);
  - The 3<sup>rd</sup> Meeting of the Cybersecurity Panel (CYSECP/3);
  - The 5<sup>th</sup> Meeting of the Surveillance Panel (SP/5);
  - The 23<sup>rd</sup> meeting of the Remotely Piloted Aircraft Systems Panel (RPASP/23);
- 2.8. The ANC conducted the reviews of the following Air Navigation Planning and Implementation Regional Group (PIRGs), Regional Aviation Safety Group RASG) reports (see [APPENDIX B](#)) and other regional groups;
- The 60<sup>th</sup> Meeting of the North Atlantic Systems Planning Group (NATSPG/60);
- 2.9. The ANC conducted the following preliminary reviews of proposed amendments to (see [APPENDIX C](#)).
- Annex 10, Volumes III and IV arising from the 5<sup>th</sup> meeting of the Surveillance Panel (SP/5);

- PANS-OPS, Volumes I and III arising from the 21<sup>st</sup> meeting of the Remotely Piloted Aircraft Systems Panel (RPASP/21);
- 2.9.1. Regarding the proposed amendments to PANS-OPS arising from RPASP/21, recall the commission deferred the review during the 226<sup>th</sup> ANC session pending the results of a gap analysis and further impact assessment. As a result of this and other considerations, the commission decided to further defer the review of the proposed changes with a target applicability date of 23 November 2028.
- 2.9.2. This would permit the RPASP to further inform the commission of the maturity of a number of other SARP amendments related to RPAS (the so called 'RPAS super package') including amendments to ATM, aerodrome design and operations, C2Link and DAA elements, and on the status of the assurance framework and stress test activities.
- 2.9.3. This will impact on the applicability date for Annex 6, Part IV.
- 2.10. The ANC conducted the final reviews of proposed amendments to following (see [APPENDIX D](#)):
- Annex 10, Volumes I and V arising from the 7<sup>th</sup> meeting of the Navigation Systems Panel (NSP/7);
  - Annex 10, Volumes II and III arising from the 6<sup>th</sup> meeting of the Data Communications Infrastructure Working Group of the Communications Panel (CP-DCIWG/6);
- 2.11. Other reviews, reports and working papers of note include (see [APPENDIX F](#)):
- Consolidated report on Planning and Implementation Regional Groups (PIRGs) and Regional Aviation Safety Groups (RASGs) for 2023 – 2024 (Information paper to Council);
  - Review of the Programme Meetings for 2025 and Tentative Programme of Meetings for 2026 – 2027;
  - Revised Draft Provisional Agenda for the 42<sup>nd</sup> Session of the IAO Assembly (2025), site and date and invitation to observers;
  - Review of the report of the 14<sup>th</sup> Air Navigation Conference;
  - Preliminary Review of the draft ICAO Position for the International Union (ITU) World Radiocommunication Conference 2027 (WRC-27);
  - Secretariat presentation on GNSS Jamming and Spoofing;
  - Review of the Air Navigation Work Program;
  - Secretariat presentation on GADSS;
- 2.12. The ANC received the following briefings that may be of interest (see [APPENDIX G](#)):
- ANC Talk Series - SkyGrid - Operational and Airspace Integration for Advanced Air Mobility;
  - ANC Talk Series - VariFlight - Digital Technology Driven Total Airport Management (TAM);
  - ANC Talk Series - Innovation as a connector between airspace and airports – iGA Istanbul Experience; and

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2.13. The ANC reviewed the following expert group reports (see [APPENDIX A](#)):

- The 7<sup>th</sup> meeting of the Data Communications Infrastructure Specific Working Group (CP-DCIWG/7);
- The 3<sup>rd</sup> meeting of the Information Management Panel (IMP/3);
- The 9<sup>th</sup> meeting of the Accident Investigation Panel (AIGP/9). Note that the panel report was presented to the commission but the review has been deferred until the 229<sup>th</sup> session;
- The 5<sup>th</sup> meeting of the Personnel, Training and Licensing Panel (PTLP/5);
- The 11<sup>th</sup> meeting of the Flight Operations Panel (FLTOPS/11);

2.14. The ANC conducted the reviews of the following Air Navigation Planning and Implementation Regional Group (PIRGs), Regional Aviation Safety Group RASG reports (see [APPENDIX B](#)) and other regional groups;

- The 35<sup>th</sup> meeting of the Asia/Pacific Air Navigation and Implementation Group (APANPIRG/35);
- The 14<sup>th</sup> meeting of the Regional Aviation Safety Group – Asia Pacific (RASG-APAC/14); and
- The 6<sup>th</sup> meeting of the European Aviation System Planning Group (EASPG/6).

2.15. The ANC conducted the following preliminary reviews of proposed amendments to (see [APPENDIX C](#)):

- Annex 10, Volume III arising from the 7<sup>th</sup> of the Communications Panel – Data Communication Infrastructure Specific Working Group (CP-DCIWG/7);

2.16. The ANC conducted the final reviews of proposed amendments to following (see [APPENDIX D](#)):

- Annex 19 arising from the 9<sup>th</sup> meeting of the Remotely Piloted Aircraft Systems Panel (RPASP/9) and the 5<sup>th</sup> meeting of the Safety Management Panel (SMP/5) with consequential amendments to Annexes 1, 6 (Parts I and III) and 13;

2.17. The ANC approved the following draft reports to council (see [APPENDIX E](#)):

- Annex 14, Volumes I and II arising from the 4<sup>th</sup> meeting of the Aerodrome Design and Operations Panel (ADOP/4);
- Annex 10, Volume II arising from the 6<sup>th</sup> meeting of the Data Communications Infrastructure Working Group of the Communications Panel (CP-DCIWG/6) and space weather information services arising from the 5<sup>th</sup> meeting of the meteorology Panel (METP/5);
- Annex 10, Volume III arising from the sixth meeting of the Data Communications Infrastructure Working Group of the Communications Panel (CP-DCIWG/6);
- Annex 10, Volume V arising from the 3<sup>rd</sup> meeting of the Frequency Spectrum Management Panel (FSMP/3) and the 7<sup>th</sup> meeting of the Navigation Systems Panel (NSP/7);
- Annex 11 arising from the 5<sup>th</sup> meeting of the Meteorology Panel (METP/5);

- Annex 10 Volume I arising from the 7<sup>th</sup> meeting of the Navigation Systems Panel (NSP/7);
- Annex 6, Volume Parts I, II and III arising from the 5<sup>th</sup> meeting of the Meteorology Panel (METP/5);
- Annex 15 arising from the 5<sup>th</sup> meeting of the Meteorology Panel (METP/5);
- Annex 3 arising from the 5<sup>th</sup> meeting of the Meteorology Panel (METP/5);
- PANS-MET (first edition) arising from the 5<sup>th</sup> meeting of the Meteorology Panel (METP/5).

2.18. Other reviews, reports and working papers of note include (see [APPENDIX F](#)):

- Report on the outcome of discussions on prioritization, a mechanism to prioritize the work program (job cards) of the various panels and working groups;
- Draft Assembly working paper – Implementation of the ICAO Continuous Monitoring Approach (CMA) Audit Programmes;
- Approval of draft Assembly working paper – Evolution of the Universal Safety Oversight Audit Programme (USOAP) Continuous Monitoring Approach (CMA) 2026-2028.

2.19. The ANC received the following briefings that may be of interest (see [APPENDIX G](#)):

- ANC Talk Series - The Evolution of Meteorological Service to Support Future Air Navigation;
- ANC Talk Series - Lithium Batteries;
- ANC Talk Series - The Human in the System (IFALPA & NASA).

### 3. STATE LETTERS

3.1. Relevant State Letters, including IFATCA's response can be found at [APPENDIX H](#).

### 4. MEETINGS ATTENDED

#### **14th Air Navigation Conference (ICAO HQ, Montreal, 26 September to 6 November 2024)**

- 4.1. Working Papers co-presented by IFATCA and relevant recommendations can be found at [APPENDIX I](#).
- 4.2. Although my tenure as Liaison Officer to the ICAO ANC had not formally commenced, I was privileged to have the opportunity to attend the 14<sup>th</sup> Air Navigation Conference (ANConf) at ICAO Headquarters in Montreal. I couldn't think of a better way to immerse myself in all things ICAO.
- 4.3. I thought that with my experience as Member and Chair of the ICAO Separation and Airspace Safety Panel I would have a fairly good knowledge of how things worked at ICAO but this conference took it to the next level. It was a perfect opportunity to see how ICAO works at a broader level and how the different cogs and wheels fit in.
- 4.4. It was a perfect introduction to my new role and my predecessor, Mr Jean-Francois (JF) Lepage, was the perfect host introducing me a huge number of people whose names I promptly forgot!

4.5. Notable recommendations can be found at [APPENDIX I](#) and include:

- ICAO, States and other industry organisations to update contingency guidance material;
- Respond to the increasing incidence of GNSS radio frequency interference;
- ICAO, States and other industry organisations to identify means for collecting and sharing turbulence related data;
- ICAO and States collaborate with regional bodies to encourage implementation of more efficient longitudinal separation minima; and
- Consider the maintaining a minimum operation network (MON) to ensure the provision of resilient air navigation services.

#### **International Flight Information Service Association (IFISA) Meeting (Ottawa, Canada 11 – 12 September 2024)**

4.6. I had the privilege of attending the annual IFISA Seminar where I took the opportunity to present an overview of IFATCA's activities at ICAO with particular emphasis on our involvement in the Air Navigation Commission. The presentation was well received and formed the basis of a number of offline discussions with other seminar participants.

4.7. Subjects covered by the seminar included:

- FSS/FIS in Canada;
- A pilot's perspective on AFIS and enroute FIS;
- Recruitment challenges;
- An update from EASA; and
- An update on related ICAO issues.

4.8. Of particular interest was the ongoing efforts of a working group within the ATMOPS Panel with regard to Cir 211 – Aerodrome Flight Information Service (AFIS). The circular was published in 1988 and is in desperate need of updating. The panel is undertaking work to write a manual to replace the circular.

4.9. The seminar was an important opportunity to acknowledge the important relationship between ATCOs and FISOs. Certainly there is an overlap of issues that concern us both and any opportunity to collaborate should be encouraged.

#### **1<sup>st</sup> Executive board meeting (Panama City, 20 – 22 September 2024)**

4.10. The meeting was generously hosted by the Panamanian Air Traffic Controllers Association (Asociación Panameña de Controladores de Tránsito Aéreo, APACTA).

4.11. This was my first Executive Board meeting and it was certainly an eye-opener when it comes to the breadth of topics and issues the Federation is involved in. As I was only a few weeks into my role as the Liaison Officer to the ICAO ANC, it was an opportunity to get up to speed and also receive a comprehensive handover from the previous person in the role, Mr Jean-François Lepage.

4.12. The theme of the meeting was how to make IFATCA the 'gold standard' in all issues ATC. Whilst a lofty goal, it was clear that all members of the EB are committed to it and it informs our actions and the decisions we take collectively.

4.13. Members will have noted the amazing job our communications team does in getting this message out and, combined with the increased presence in social media, it has clearly raised the profile of IFATCA and demonstrates how we add value to the controller community.

#### **1<sup>st</sup> TOC Meeting (Madrid, 24 to 26 September 2024)**

4.14. As a former member and chair of the PLC, I had attended my share of combined PLC/TOC meetings over the years, but none when TOC were meeting alone. I was also privileged in this instance as it was a combined meeting with the equivalent IFALPA committee.

4.15. The meeting was hosted by USCA, the Spanish Member Association, and the meeting rooms provided by Indra. The meeting was co-hosted by IFALPA. It was my first meeting as the Liaison Officer to the ANC.

4.16. Co-hosting the meeting with IFALPA was an excellent initiative and all agreed that it should occur again, possibly once every two or three years. I also think that PLC could benefit from the opportunity if it were logistically feasible.

4.17. One of the topics garnering a lot of interest at the 14th Air Navigation Conference in August 2024 was GNSS jamming and spoofing (see recommendation in [APPENDIX I](#)). This was also a focus of the meeting with IFATCA and IFALPA issuing a joint press release (subsequently revised and re-released). Not only did it highlight an important issue, but it demonstrated the continuing cooperation between IFATCA and IFALPA at all levels. Congratulations to all involved.

#### **Africa and Middle East Regional Meeting (21 to 23 October, Cairo, Egypt)**

4.18. The meeting was the first regional meeting I've attended as the Liaison Officer to the ANC and was a wonderful opportunity to gain exposure to the regions and how their working arrangements fit with IFATCA operations generally. The meeting was exceptionally well organised by the Egyptian Air Traffic Controllers' Association.

4.19. As with the TOC meeting, I won't repeat what will be an excellent summary of the meeting by the EVP Africa and the Middle East.

4.20. I had the opportunity to make presentation on Artificial Intelligence in ATM before participating in a panel discussion. The presentation and the discussion seemed to be well received with lively participation from the audience.

4.21. I also had the opportunity to have several side discussions with air traffic controllers and ATC management concerning two major issues affecting Egyptian airspace – increased traffic due to airspace closures and GNSS jamming and spoofing. Each on its own would be a significant issue. However, Egypt is currently experiencing both. Given the airspace constraints, GNSS spoofing in particular poses a significant risk.

4.22. I am currently trying to progress a collaboration with a colleague on the Separation and Airspace Safety (SASP) whose company has developed a real-time GNSS jamming and spoofing detection tool with a view to developing a PC-based application adapted for use in a ATC environment. It is still early days, but there could be potential benefits not only for Egyptian ATCs but the reputation of IFATCA if it can be shown we are facilitating solutions to such a topical issue such as GNSS radio interference.



## **TOC/PLC Combined Meeting (Mexico City, 13 to 16 January 2024)**

- 4.23. As with the 1st TOC meeting, to avoid repetition, I'll leave it to the Chairs and EVPs to provide the detail of the meeting and I will just expand on a couple of topics that have been gaining significant interest in the Commission.
- 4.24. The joint meeting of the PLC and TOC was held in Mexico City with the meeting rooms being provided by the ICAO Regional Office and was organised by the Mexican Member Association.
- 4.25. Of particular note was PLC's paper on Contingency Planning. The job card was sponsored by Ms Crystal Kim of the ICAO secretariat and proposed that PLC examine Attachment C of Annex 11 on Materials relating the Contingency Planning. This attachment was developed some time ago and could do with updating. The PLC member has done an excellent job of summarising the issues.
- 4.26. Contingency guidance was the subject of a recommendation that emerged from the 14<sup>th</sup> Air Navigation Conference that ICAO, with States and Industry Organisations, develop guidance on air traffic contingency management. As far as I'm aware, the PLC paper to be presented at this conference is the first produced to address this recommendation.

## **2<sup>nd</sup> Executive Board Meeting (Johannesburg, South Africa, 24 to 27 February 2024)**

- 4.27. The meeting was generously hosted by the South African Member Association, The Guild of Air Traffic Controllers Of South Africa, GATCSA. It never ceases to amaze me the hospitality demonstrated within the air traffic controller community and this was no exception.
- 4.28. As usual, a broad range of topics were discussed with one of the highlights being the presentation by the Chair of the 2030+ Task Force, Mr Julian Ogilvie, of their report. It is clear that Julian led a motivated team and the results of their work will inform the direction of IFATCA for years to come.
- 4.29. Much time was also spent on finalising the arrangements for the conference in Abu Dhabi. There is an incredible amount of work going on behind the scenes to ensure that attendees will be engaged and also enjoy themselves. Congratulations to all those involved.
- 4.30. The opportunity to review the budget of the Federation was also taken. I will leave the detail to EVPF Mr Tom McRobert but I have not requested an increase to the budget for ICAO HQ activities. More on that in section 7.
- 4.31. Finally, upon joining the Executive Board as an ex-officio member I was mildly surprised that no governance training is provided. I think this is particularly important for voting Board members and is something that my member association in Australia, Civil Air, routinely provides. The Executive Board agrees and will receive governance training at our next EB meeting in Montreal this coming September.

## **5. INDUSTRY COLLABORATION**

- 5.1. The ICAO Council have agreed to permit concerned industry groups to make an Informal Briefing of GNSS RFI on 20 March 2024. I am currently collaborating with our industry partners from ICCAIA, IFALPA, IATA and CANSO. The idea is that each industry would get about 10 minutes to present their perspective, and I will present

on behalf of IFATCA. I will be able to give up update during my presentation at conference.

- 5.2. Although we have yet to have our first meeting, work has begun on collaborating on the papers industry organisations will present at the 42nd ICAO Assembly in October. I am in the preliminary stages of proposing IFATCA lead a paper on the updating of the Attachment C to Annex 11, Material Relating to Contingency Planning and potentially a paper on GNSS RFI depending on the outcome of the information briefing to the ICAO Council.

## **6. PANEL REPRESENTATIVES**

- 6.1. IFATCA is privileged to have a number of committed volunteers representing IFATCA on a number of working groups. Those volunteers and the meetings they have attended since last conference and those planned for 2025 can be found in [APPENDIX J](#).
- 6.2. Rather than summarise each representative's report here, I refer you to their annual reports.
- 6.3. There has been a suggestion that IFATCA fund a position on the recently formed Wake Turbulence Working Group (WTWG). The working group sits under the ATM Operations Panel (ATMOPS) and so, as IFATCA already has a member nominated by IFATCA to this panel, there are no administrative hurdles to overcome. However, as always, there is a financial cost. In the coming twelve months I, with the EB, will decide if there is value prioritising participation in the WTWG over participation in another panel. I welcome any opinions.

## **7. BUDGET**

- 7.1. As briefly discussed at 4.28, I have not requested an increase to the budget for the Liaison to the ICAO ANC. This budget covers the expenses on our ICAO expert group representatives as well as some of my expenses for attendance at PLC and TOC meetings. It does not include my accommodation expenses in Montreal whilst I attend sessions of the Air Navigation Commission.
- 7.2. We are able to maintain the current budget because, due work and family commitments, our reps can't always attend meetings. However, should all our representatives be able to attend their meetings, the current budget would not cover all costs.

## **8. CONCLUSION**

- 8.1. To say the first six months of my tenure as the Liaison Officer to the ICAO ANC has been a whirlwind is an understatement. Although it's normal to experience a steep learning curve in the initial stages of a new position, it has still been a challenge.
- 8.2. Having said that, and as I tell anyone who will listen, I am thoroughly enjoying the role and it is an honour and a privilege to represent tens of thousands on controllers at ICAO.
- 8.3. I would like to thank my member association, Civil Air, for their support.

- 8.4. I would also like to thank my employer, Airservices Australia, for their commitment to support me in the role for the three years that I have been appointed. It would be impossible to do the role without their support and it speaks to their commitment to international aviation community.
- 8.5. Finally, I would like to thank the Executive Board for their support as I've transitioned into my role. I've been overwhelmed by the welcome I've received and look forward to working with you for the next few years.

## **9. RECOMMENDATIONS**

- 9.1. That this paper be accepted as information.

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## APPENDIX A

### Expert Group Reports, Presentations and Reviews

226 <sup>th</sup> Session of the Air Navigation Commission			
Expert Group	Meeting Date	Report and Presentation (if available)	ANC Review
Flight Operations Panel (FLTOPSP)	2 to 6 Oct 2024	<a href="#">FLTOPSP/10 (Report)</a> <a href="#">FLTOPSP/10 (Presentation)</a>	WP/9766
Personnel, Training and Licensing Panel (PTLP)	30 Oct to 3 Nov 2024	<a href="#">PTLP/4 (Report)</a> <a href="#">PTLP/4 (Presentation)</a>	WP/9765
Airworthiness Panel (AIRP)	13 to 17 Nov 2023	<a href="#">AIRP/10 (Report)</a> <a href="#">AIRP/10 (Presentation)</a>	WP/9764
Flight Recorder Specific Working Group (FLIRECSWG)	19 to 21 Oct 2023	<a href="#">FLIRECSWG/14 (Reports)</a> <a href="#">FLIRECSWG/14 (Presentation)</a>	WP/9763
Instrument Flight Procedures Panel (IFPP)	18 to 29 Sep 2023	<a href="#">IFPP/16 (Report)</a> <a href="#">IFPP/16 (Presentation)</a>	WP/9762
Trust Framework Panel (TFP)	29 Apr to 3 May 2024	<a href="#">TFP/2 (Report)</a> <a href="#">TFP/2 (Presentation)</a>	WP/9761

227 <sup>th</sup> Session of the Air Navigation Commission			
Expert Group	Meeting Date	Report and Presentation (if available)	ANC Review
Aerodrome Design and Operations Panel (ADOP)	26 Feb to 1 Mar 2024	<a href="#">ADOP/5 (Report)</a> <a href="#">ADOP/5 (Presentation)</a>	WP/9790
Navigation Systems Panel (NSP)	9 to 19 Jan 2023	<a href="#">NSP/7 (Report)</a> <a href="#">NSP/7 (Presentation)</a>	WP/9783

<b>Ad-Hoc Cybersecurity Coordination Committee (AHCCC)</b>	29 to 31 May 2024	<a href="#">AHCCC/2 (Report)</a>	WP/9797
<b>Aviation Security Panel (AVSECP)</b>	22 to 26 Apr 2024	<a href="#">AVSECP/35 (Report)</a> <a href="#">AVSECP (Presentation)</a>	WP/9788
<b>Cybersecurity Panel (CYSECP)</b>	3 to 6 Jun 2024	<a href="#">CYSECP/3 (Report)</a> <a href="#">CYSECP/3 (Presentation)</a>	WP/9789
<b>Surveillance Panel (SP)</b>	20 to 29 Sep 2023	<a href="#">SP/5 (Report)</a> <a href="#">SP/5 (Presentation)</a>	WP/9792
<b>Remotely Piloted Aircraft Systems Panel (RPASP)</b>	18-22 Mar 2024	<a href="#">RPASP/23 (Report)</a> <a href="#">RPASP/23 (Presentation)</a>	WP/9791

<b>228<sup>th</sup> Session of the Air Navigation Commission (partially complete)</b>			
<b>Expert Group</b>	<b>Meeting Date</b>	<b>Report and Presentation (if available)</b>	<b>ANC Review</b>
<b>Data communication Infrastructure Specific Working Group (CP-DCIWG)</b>	11 to 14 Jun 2024	<a href="#">CP-DWIWG/7 (Report)</a> <a href="#">CP-DWIWG/7 (Presentation)</a>	WP/9802
<b>Information Management Panel (IMP)</b>	30 Sep to 4 Oct 2024	<a href="#">IMP/3 (Report)</a> <a href="#">IMP/3 (Presentation)</a>	WP/9818
<b>Accident Investigation Panel (AIGP)</b>	24 to 27 Sep 2024	<a href="#">AIGP/9 (Report)</a> <a href="#">AIGP/9 (Presentation)</a>	Yet to be reviewed
<b>Personnel, Training and Licensing Panel (PTLP)</b>	4 to 8 Nov 2024	<a href="#">PTLP/5 (Report)</a> <a href="#">PTLP/5 (Presentation)</a>	Yet to be reviewed
<b>Flight Operations Panel (FLTOSP)</b>	20 to 24 Jan 2025	<a href="#">FLTOSP/11 (Report)</a> <a href="#">FLTOSP/11 (Presentation)</a>	Yet to be reviewed

## APPENDIX B

### Review of PIRG and RASG Reports

226 <sup>th</sup> Session of the Air Navigation Commission			
Group	Meeting Date	Report and Presentation (if available)	ANC Review
Middle East Air Navigation Planning and Implementation Group (MIDANPIRG) and the Regional Aviation Safety Group – Middle East (RASG-MID)		<a href="#">MIDANPIRG/21</a> <a href="#">RASG-MID/11</a> <a href="#">Presentation</a>	WP/9769
Asia/Pacific Air Navigation and Implementation Group (APANPIRG)	11 to 13 Sep 2023	<a href="#">APANPIRG/34</a> <a href="#">Appendices</a> <a href="#">Attachments</a> <a href="#">Presentation</a>	WP/9768
The European Aviation System Planning Group (EASPG)		<a href="#">EASPG/5</a> <a href="#">Presentation</a>	WP/9767

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Group	Meeting Date	Report and Presentation (if available)	ANC Review
North Atlantic Systems Planning Group (NATSPG)	25 to 28 Jun 2024	<a href="#">NATSPG/60</a> <a href="#">Presentation</a>	WP/9769

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Group	Meeting Date	Report and Presentation (if available)	ANC Review
<b>Asia/Pacific Air Navigation Planning and Implementation Group (APANPIRG)</b>	25 to 27 Nov 2024	<a href="#">APANPIRG/35 Report</a> <a href="#">APANPIRG/35 Appendices</a> <a href="#">APANPIRG/35 Attachments</a> <a href="#">Presentation</a>	WP/9822
<b>Regional Aviation Safety Group – Asia Pacific (RASG-APAC)</b>	28 to 29 Nov 2024	<a href="#">RASG-APAC/14 Report</a> <a href="#">Presentation</a>	
<b>The European Aviation System Planning Group (EASPG)</b>	3 to 6 Dec 2024	<a href="#">EASPG/6 Report</a> <a href="#">Presentation</a>	WP/9824

## APPENDIX C

### Preliminary reviews of proposed amendments

226 <sup>th</sup> Session of the Air Navigation Commission			
Document	App Date	ANC Review and minutes (if relevant)	
<b>PANS-OPS Vols I and III (Doc 8168)</b>	26 Nov 2026	WP/9663 Minutes	This working paper presents proposals developed by the twenty-first meeting of the Remotely Piloted Aircraft Systems Panel (RPASP/21) for the amendment of the Procedures for Air Navigation Services — Aircraft Operations (PANS-OPS, Doc 8168), Volume I — Flight Procedures and Volume III — Aircraft Operating Procedures related to the remotely piloted aircraft systems (RPAS) operations.

227 <sup>th</sup> Session of the Air Navigation Commission			
Document	App Date	ANC Review	
<b>ANNEX 10 Vol III</b>	26 Nov 2026	WP/9778	This working paper presents proposals developed by the fifth meeting of the Surveillance Panel (SP/5) and are related to the deletion of obsolete technical provisions of SSR Mode S air-ground data link and updates of technical provisions related to SSR Mode S transponder and 1 090 MHz extended squitter automatic dependent surveillance – broadcast (ADS-B) and traffic information services.
<b>ANNEX 10 Vol IV</b>			
<b>PANS-OPS Vol I</b>	26 Nov 2026	WP/9663	This working paper presents proposals related to the remotely piloted aircraft systems (RPAS) operations.
<b>PANS-OPS Vol III</b>			

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Document	App Date	ANC Review	



<b>ANNEX 10 VOL III</b>	25 Nov 27 (proposed)	WP/9802	Preliminary review of proposals to introduce more stringent performance requirements for the satellite communication (SATCOM) systems, remove obsolete provisions and update some provisions to maintain alignment of ICAO material with the relevant industry developments arising from the seventh meeting of the Data Communication Infrastructure Specific Working Group of the Communications Panel (CP-DCIWG/7)
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## APPENDIX D

### Final reviews of proposed amendments

226 <sup>th</sup> Session of the Air Navigation Commission				
Document	Amd #	App Date	ANC Review	Notes
ANNEX 2	49	26 Nov 2026	WP/9757	This paper presents the results of a consultation with States and international organizations on proposed amendments related to general aviation (GA) helicopters, the runway overrun awareness and alerting system (ROAAS), use of terms authorization, acceptance and approval and end of flight location, arising from the eighth and ninth meetings of the Flight Operations Panel (FLTOPSP/8 and 9).
ANNEX 3	82			
ANNEX 4	63			
ANNEX 6 PART I	50			
ANNEX 6 PART II	42			
ANNEX 6 PART III	26			
ANNEX 10 VOL I	94			
ANNEX 11	54			
ANNEX 15	44			
PANS-ATM	13			
PANS-OPS VOL III	11			
PANS-ABC	35			
PANS-AIM	4			
ANNEX 10 VOL V	91	27 Nov 25	WP/9756	This paper presents the results of a consultation with States and international organizations on proposed amendments relating to wireless avionic intra-communications (WAIC) arising from the third meeting of the Frequency Spectrum Management Panel (FSMP/3).
ANNEX 3	81	27 Nov 25	WP/9688	This paper presents the results of a consultation with States and international organizations on a proposed amendments to address development of the restructured Annex 3 and the new PANS-MET, and amendments relating to: a) further development of space weather information services; b) quantitative
ANNEX 6 PART I	49			
ANNEX 6 PART II	41			

<b>ANNEX 6 PART III</b>	25		<p>volcanic ash information and international airways volcano watch (IAVW) updates; c) further development of the ICAO meteorological information exchange model (IWXXM); d) further development of the world area forecast system (WAFS); and e) improved definition of meteorological authority and introduction of a new definition of meteorological service provider.</p> <p>Note 1: This is the initial issue of PANS-MET (Doc 10157)</p> <p>Note 2: The amendment date of 27 Nov 25 for PANS-MET applies to amendments related to quantitative volcanic ash info)</p>
<b>ANNEX 10 VOL II</b>	93		
<b>ANNEX 11</b>	53		
<b>ANNEX 15</b>	43		
<b>PANS-MET</b>	1 <sup>ST</sup> ed.	28 Nov 24 (27 Nov 25)	
<b>PANS-ABC</b>	34	28 Nov 24	
<b>PANS-AIM</b>	3		
<b>PANS-ATM</b>	12		

<b>227<sup>th</sup> Session of the Air Navigation Commission</b>				
<b>Document</b>	<b>Eff Date</b>	<b>App Date</b>	<b>ANC Review</b>	
<b>ANNEX 10 VOL I</b>	94	27 Nov 2025	WP/9783 (ARAIM Presentation)	This paper presents the results of a consultation with States and international organizations on proposals relating to advanced receiver autonomous integrity monitoring (ARAIM), the global positioning system (GPS), the Galileo system, the satellite-based augmentation system (SBAS), the ground based augmentation system (GBAS), distance-measuring equipment (DME) and frequency assignment planning and utilization for instrument landing system (ILS), VHF omnidirectional radio range (VOR), DME and GBAS arising from the seventh meeting of the Navigation Systems Panel (NSP/7).
<b>ANNEX 10 VOL V</b>	94			
<b>ANNEX 10 VOL II</b>	94	27 Nov 2025	WP/9782	This paper presents the results of a consultation with States and international organizations on proposals relating to updates to the aeronautical telecommunication network (ATN)/Internet Protocol Suite (IPS) requirements regarding IPS mobility across multiple media, naming and addressing, IPS security, quality of service (QoS), system management and overall transitional aspects arising from the sixth meeting of the Data Communications Infrastructure Working Group of the Communications Panel (CPDCIWG/6).
<b>ANNEX 10 VOL III</b>	93			

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Document	Amd #	Eff Date	App Date	ANC Review	
<b>ANNEX 1</b>	180		26 Nov 2026	WP/9709	Consequential amendments arising from the ninth meeting of the Remotely Piloted Aircraft Systems Panel (RPASP/9), the fifth meeting of the Safety Management Panel (SMP/5) and the fifth meeting of the Aerodrome Design and Operations Panel Working Group (ADOP/WG/5).
<b>ANNEX 6 PART I</b>	50				
<b>ANNEX 6 PART III</b>	26				
<b>ANNEX 13</b>	20				
<b>ANNEX 19</b>	2				This paper presents the results of a consultation with States and international organizations on proposals arising from the ninth meeting of the Remotely Piloted Aircraft Systems Panel (RPASP/9), the fifth meeting of the Safety Management Panel (SMP/5) and the fifth meeting of the Aerodrome Design and Operations Panel Working Group (ADOP/WG/5) including the enhancement of State safety programmes (SSPs) and safety management system (SMS) provisions, extension of an SMS to remotely piloted aircraft systems (RPAS) operators and certified heliports, and provisions related to the development of safety intelligence to support aviation decision-making.

## APPENDIX E

### Draft Reports to Council

228 <sup>th</sup> Session of the Air Navigation Commission (partially complete)					
Document	Amd #	Eff Date	App Date	Draft Report to Council	
<b>ANNEX 3</b>	82	4-Aug-25	27-Nov-25 26-Nov-26	WP/9803	The amendment proposal concerns the restructured Annex 3, space weather information services, quantitative volcanic ash information and the international airways volcano watch (IAVW), the ICAO meteorological information exchange model (IWXXM), the world area forecast system (WAFS), and improved definition of meteorological authority and introduction of a new definition of meteorological service provider, arising from the 5th meeting of the Meteorology Panel (METP/5).
<b>ANNEX 6 PART I</b>	50	4-Aug-25	27-Nov-25	WP/9804	This paper presents consequential proposals to align references to the new Procedures for Air Navigation Services – Meteorology (PANS-MET, Doc 10157) arising from the fifth meeting of the Meteorology Panel (METP/5)
<b>ANNEX 6 PART II</b>	42	4-Aug-25	27-Nov-25		
<b>ANNEX 6 PART III</b>	26	4-Aug-25	27-Nov-25		
<b>ANNEX 10 VOL II</b>	94	4-Aug-25	27-Nov-25	WP/9806	The amendment proposal is consequential and concerns updates to the aeronautical telecommunication network (ATN)/Internet Protocol Suite (IPS) requirements and space weather information services.
<b>ANNEX 10 VOL III</b>	93	4-Aug-25	27-Nov-25	WP/9807	The amendment proposal concerns updates to the aeronautical telecommunication network (ATN)/Internet Protocol Suite (IPS) requirements regarding IPS mobility across multiple media, naming and addressing, IPS security, quality of service (QoS), system management and overall transitional aspects arising from the 6 <sup>th</sup> meeting of the Data Communications Infrastructure Specific Working Group (CP-DWIWG/6).

<b>ANNEX 10 VOL V</b>	91	4-Aug-25	27-Nov-25	WP/9808	The amendment proposal concerns the wireless avionic intra-communications (WAIC), as well as frequency utilization for instrument landing system (ILS), VHF omnidirectional radio range (VOR), distance measuring equipment (DME) and ground-based augmentation system (GBAS).
<b>ANNEX 11</b>	54	4-Aug-25	27-Nov-25	WP/9809	The amendment proposal is consequential and concerns the improved definition of meteorological authority, the introduction of a new definition for meteorological service provider and the alignment of references with the new Procedures for Air Navigation Services — Meteorology (PANS-MET, Doc 10157) arising from the fifth meeting of the Meteorology Panel (METP/5).
<b>ANNEX 14 VOL I</b>	18	4 Aug 2025	27 Nov 2025	WP/9810	This paper presents a proposal concerning aerodrome design, visual aids, ground handling and apron management service and obstacle limitation surfaces (OLS) arising from the fourth meeting of the Aerodrome Design and Operations Panel (ADOP/4).
	94	4-Aug-25	27-Nov-25	WP/9805	Relates to advanced receiver autonomous integrity monitoring (ARAIM), the global positioning system (GPS), the Galileo system, the satellite-based augmentation system (SBAS), the ground-based augmentation system (GBAS), distance-measuring equipment (DME) and frequency assignment planning for instrument landing system (ILS), VHF omnidirectional radio range (VOR), DME and GBAS arising from the 7 <sup>th</sup> meeting of the Navigation Systems Panel (NSP/7).
<b>ANNEX 14 VOL II</b>	10	4 Aug 2025	27 Nov 2025 (26 Nov 2026)	WP/9811	This paper presents a proposal concerning certification and a safety management system (SMS) at heliports, obstacle limitation surfaces and visual aids (lighting) associated with heliports arising from the fourth meeting of the Aerodrome Design and Operations Panel (ADOP/4).  Note: The applicability date of 26 Nov 2026 applies to amendments related to certification and an SMS for heliports.

<b>ANNEX 15</b>	44	4-Aug-25	27-Nov-25	WP/9812	The amendment proposal is consequential and concerns the development of space weather information service arising from the fifth meeting of the Meteorology Panel (METP/5).
<b>PANS-MET</b>	Initial Issue		27 Nov 25	WP/9813	The proposed first edition of the Procedures for Air Navigation Services — Meteorology (PANS-MET, Doc 10157).

## APPENDIX F

### Other notable reviews, reports and working papers

<b>226<sup>th</sup> Session of the Air Navigation Commission</b>		
<b>Subject</b>	<b>Report/Review</b>	<b>Notes</b>
<b>Safety management Panel Job Card Review</b>	WP/9774	Provides the updates to the job card SMP.020.02 from the Safety Management Panel (SMP)
<b>Standardisation Roadmap</b>	WP/9772	The ANC was tasked by the Council to develop a Standardization Roadmap for all innovations in aviation that would eventually trigger Standards and Recommended Practices development. In a nutshell, the idea is to avoid being “surprised” and not know what to do every time something new and/or innovative comes to the ANC or to ICAO in general and to be prepared to react and predict how the SARP development process will take place for these innovations. This is a progress report on the work of that Standardization Roadmap.
<b>Creation of a Human Factor Study Group</b>	WP/9771	Following the proposal to create a Human Factor Study Group (HFSG), the ANC was tasked to review the Terms of Reference (TORs) after which it decided not endorse the creation of the Study Group. IFATCA disagreed with this position.
<b>Implementation and Prioritization</b>	WP/9770	Progress report on the implementation prioritization, a mechanism to prioritize the work program (job cards) of the various panels and working groups
<b>2023 Safety Recommendations addressed to ICAO</b>	WP/9760	Report on the 2023 Safety Recommendations addressed to ICAO stemming from State incident and accident investigations where recommendations have been addressed to ICAO.
<b>Implementation of resolutions and decisions from the 41<sup>st</sup> General Assembly.</b>	WP/9759	Report on the implementation of the resolutions and decisions from the 41 <sup>st</sup> General Assembly.



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<b>Subject</b>	<b>Report/Review</b>	<b>Notes</b>
<b>Consolidated report on Planning and Implementation Regional Groups (PIRGs) and Regional Aviation Safety Groups (RASGs) for 2023 – 2024 (Information paper to Council)</b>	WP/9784	A consolidated annual report on the activities of planning and implementation regional groups (PIRGs) and regional aviation safety groups (RASGs) covering the period from 1 April 2023 to 31 May 2024.
<b>Review of the Programme Meetings for 2025 and Tentative Programme of Meetings for 2026 – 2027</b>	WP/9787	This paper presents the programme of meetings for the year 2025 and, for planning purposes, the programmes of meetings for the years 2026 and 2027.
<b>Revised Draft Provisional Agenda for the 42nd Session of the IAO Assembly (2025), site and date and invitation to observers</b>	WP/9786	This paper was prepared by the ICAO Council and presented to the ANC for review.
<b>Review of the 14<sup>th</sup> Air Navigation Conference Report</b>	WP/9785	This paper presents proposals for action on recommendations of the fourteenth Air Navigation Conference (AN-Conf/14).
<b>Preliminary Review of the draft ICAO Position for the International Union (ITU) World Radiocommunication Conference 2027 (WRC-27)</b>	WP/9779	Presents proposals for an ICAO Position on the items of interest to aviation on the agenda of the next ITU World Radiocommunication Conference (WRC-27), which will be held in 2027 for a maximum period of four weeks.
<b>Secretariat presentation on GNSS Spamming and Spoofing</b>	WP/9830 Presentation	Report on global navigation satellite system (GNSS) jamming and spoofing, presented by the Secretariat.
<b>Standardisation Roadmap</b>	WP/9796	Update on the Standardisation Roadmap
<b>Review of the Air Navigation Work Program</b>	WP/9793	This paper presents the approved amendments to the Air Navigation (AN) Work Programme since the last review by the Commission. It also provides information on other related developments and considerations.
<b>Secretariat update on the implementation of GADSS</b>	Presentation	

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<b>Subject</b>	<b>Report/Review</b>	<b>Notes</b>
<b>Report on the outcome of the discussions on prioritization</b>	WP/9833	Following the introduction of the ANC prioritization process in 2020, the ANC had conducted a prioritization of the AN work programme (technical level) as well as prioritization of outcomes of Assembly and High-level Conferences (Strategic Level). In 2024, the AHWG-IP was tasked with reviewing feedback received based on accumulated experience and proposing improvements to the prioritization process.
<b>Draft Assembly working paper – Implementation of the ICAO Continuous Monitoring Approach (CMA) Audit Programmes.</b>	WP/9815	The paper provides a consolidated progress report on the implementation and activities of the ICAO Universal Safety Oversight Audit Programme (USOAP) and the Universal Security Audit Programme (USAP).
<b>Approval of draft Assembly working paper – Evolution of the Universal Safety Oversight Audit Programme (USOAP) Continuous Monitoring Approach (CMA) 2026-2028.</b>	WP/9816	The paper provides a report on the evolution of the ICAO Universal Safety Oversight Audit Programme (USOAP) Continuous Monitoring Approach (CMA) managed under three streams of work and an action plan to progress this evolution for 2026-2028.

## APPENDIX G

### ANC Briefings

226 <sup>th</sup> Session of the Air Navigation Commission		
Briefing Topic	Briefing Date	Presentation to ANC with slides (Requires ICAO TV account)
ANC Talk Series - JARUS Who are we to ICAO	7 June 2024	<a href="#">Presentation</a> <a href="#">Slides</a>
ANC Talk Series - ILAC Experience and Emerging Challenges for RPAS Operation in South America	18 June 2024	<a href="#">Presentation</a> <a href="#">Slides</a>

227 <sup>th</sup> Session of the Air Navigation Commission		
Briefing Topic	Briefing Date	Presentation to ANC with slides (Requires ICAO TV account)
ANC Talk Series - SkyGrid - Operational and Airspace Integration for Advanced Air Mobility	30 Sep 2024	<a href="#">Presentation</a> <a href="#">Slides</a>
ANC Talk Series - VariFlight - Digital Technology Driven Total Airport Management (TAM)	4 Oct 2024	<a href="#">Presentation</a> <a href="#">Slides</a>
ANC Talk Series - Innovation as a connector between airspace and airports – iGA Istanbul Experience	28 Oct 2024	<a href="#">Presentation</a> <a href="#">Slides</a>

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Briefing Topic	Briefing Date	Presentation to ANC with slides (Requires ICAO TV account)
ANC Open forum	20 Jan 2024	<a href="#">Slides</a>
ANC Talk Series - The Evolution of Meteorological Service to Support Future Air Navigation	27 Jan 2024	<a href="#">Presentation</a> <a href="#">Slides</a>
ANC Talk Series - Lithium Batteries	3 and 10 Feb 2025	<a href="#">Part 1 - Presentation</a> <a href="#">Slides</a> <a href="#">Part 2 - Presentation</a> <a href="#">Slides</a>
ANC Talk Series - The Human in the System (IFALPA & NASA)	10 Mar 2025	<a href="#">Presentation</a> <a href="#">Slides</a>

## APPENDIX H

### Relevant State Letters

State Letter	Title	Publish Date	Response Due Date	IFATCA Response	Notes
<a href="#">2025/03</a>	Webinar on potential safety concerns to radio altimeters operating in the 4 200-4 400 MHz band	13 Feb 25	19 Mar 25	No action	For information only. The ANC will review this in the second half of 2025 and I will update if there are any issues of concern.
<a href="#">2024/108</a>	Invitation to attend the 42nd Session of the ICAO Assembly, 23 September to 3 October 2025	13 Dec 24	29 Aug 25	ToDo	Submit original credentials of those attending before due date.
<a href="#">2024/104</a>	Adoption of Amendment 30 to Annex 9	5 Dec 24	n/a	No action	
<a href="#">2024/96</a>	Invitation to attend the AI IN THE SKY 2024 Event in Antalya, Türkiye, from 12 to 14 November 2024	3 Oct 24	4 Nov 2025	Declined	
<a href="#">2024/94</a>	Proposals for the amendment of Annex 10, Volume III and Volume IV related to surveillance systems arising from the fifth meeting of the Surveillance Panel (SP/5)	26 Nov 24	26 May 2025	No action	Notice of applicability.
<a href="#">2024/88</a>	ICAO Global Implementation Support Symposium 2025 “The Next Flight: Innovating for a Sustainable Tomorrow” (Abu Dhabi, United Arab Emirates, 10 to 12 February 2025)	29 Aug 24	17 Jan 2025	Declined	
<a href="#">2024/85</a>	Celebration of the 80th Anniversary of ICAO and the signing of the <i>Convention on International Civil Aviation</i> (Chicago, 4 and 5 December 2024)	7 Aug 24	20 Sep 24	Declined	

<a href="#">2024/77</a>	Review of the upper age limit for pilots engaged in commercial air transport operations	6 Aug 24	1 Nov 24	No action	
<a href="#">2024/70</a>	Second Edition of the Global Aviation Security Plan (GASeP) (Doc 10118)	26 Jun 24	n/a	No action	
<a href="#">2024/67</a>	Proposal for Amendment 30 to Annex 9	19 Jun 24	30 Aug 24	Agree with no comments	

## APPENDIX I

### 14th Air Navigation Conference Working and Information Papers IFATCA co-presented and/or endorsed

WP	Title	Presenters
<a href="#">WP/019</a>	STRENGTHEN THE GLOBAL RUNWAY SAFETY COLLABORATIVE FRAMEWORK THROUGH ICAO AND INDUSTRY PARTNERSHI	ACI, CANSO, FSF, IATA, IFALPA, IFATCA
<a href="#">WP/035</a>	PROPOSAL TO DEVELOP PROVISIONS FOR LONG-RANGE AIR TRAFFIC FLOW MANAGEMENT (LRATFM) CONCEPT	CANSO, IFATCA
<a href="#">WP/051</a>	INDUSTRY CONSIDERATIONS OF CONTRAIL MANAGEMENT SOLUTIONS	ATAG, ACI, CANSO, IATA, IBAC, ICCAIA, IFATCA, IFALPA
<a href="#">WP/072</a>	COMMERCIAL SPACE OPERATIONS	IATA, IBAC, IFATCA
<a href="#">WP/074</a>	AIR TRAFFIC MANAGEMENT OPERATIONAL PERFORMANCE	IATA, IBAC, IFATCA
<a href="#">WP/076</a>	GLOBAL NAVIGATION SATELLITE SYSTEM RADIO FREQUENCY INTERFERENCE (GNSS RFI)	IATA, IBAC, ICCAIA, IFALPA, IFATCA, IFATSEA
<a href="#">WP/077</a>	FLIGHT PLAN 2012 SUNSETTING DATE	IATA, IFALPA, IFATCA, IBAC
<a href="#">WP/078</a>	RATIONALIZATION OF NAVIGATION INFRASTRUCTURE	IATA, IFATCA, ICCAIA, IFALPA, IFATSEA, IBAC
<a href="#">WP/088</a>	MOVING BEYOND COMPLIANCE MEASUREMENT	CANSO, IFATCA

Note: ACI = Airports Council International; ATAG = Air Transport Action Group; CANSO = Civil Air Navigation Services Organisation; FSF = Flight Safety Foundation; IATA = International Air Transport Association; IBAC = International Business Aviation Council; ICCAIA = International Coordinating Council of Aerospace Industries Associations; IFALPA = International Federation of Air Line Pilots' Associations; IFATSEA = International Federation of Air Traffic Safety Electronics Associations

## 14th Air Navigation Conference – relevant recommendations

Recommendations	
<p><b>Recommendation 1.1/2 – Resilience of the air navigation system</b></p>	<p>That States:</p> <ul style="list-style-type: none"> <li>a) implement airspace optimization initiatives covered by ICAO provisions, such as air traffic flow management, flexible use of airspace and civil-military cooperation;</li> <li>b) share advance information related to anticipated disruptions; and</li> </ul> <p>that ICAO:</p> <ul style="list-style-type: none"> <li>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.</li> </ul>
<p><b>Recommendation 2.2/2 – Addressing global navigation satellite system interference and contingency planning</b></p>	<p>That States:</p> <ul style="list-style-type: none"> <li>a) ensure that effective global navigation satellite system radio frequency interference mitigation measures are implemented, based on measures developed by ICAO and industry, including the need to maintain a sufficient network of conventional navigation aids to ensure operational safety as well as sufficient airspace capacity during times of global navigation satellite system interference;</li> <li>b) through the mechanism of the planning and implementation regional groups, develop regional global navigation satellite system reporting mechanisms to raise operational awareness of affected geographical areas, to the extent feasible, as described in the Global Navigation Satellite System (GNSS) Manual (Doc 9849);</li> <li>c) work with industry to identify means to make aircraft systems more resilient to radio frequency interference events, and to provide guidance on detecting global navigation satellite system jamming or spoofing and maintaining safe and efficient aircraft operation in case of global navigation satellite system anomalies; and</li> <li>d) review aircraft minimum equipage lists to ensure compatibility with States' implemented minimum operational networks.</li> </ul> <p>that ICAO:</p> <ul style="list-style-type: none"> <li>e) continue to assess the impact of global navigation satellite system interference on aviation safety and continuity of civil aviation operations and define adequate mitigation measures, while reminding States of their obligations;</li> <li>f) develop a standardized implementation package to assist and guide States in implementing effective global navigation satellite system radio frequency interference mitigation measures, including optimization and</li> </ul>



	<p>rationalization of conventional navigation aids, commensurate with their local conditions, to ensure continuity in the provision of air navigation services;</p> <p>g) develop guidance on GNSS interference information exchange and civil-military coordination in relation to harmful interference to global navigation satellite system(s) originated or detected by military authorities; and</p> <p>h) develop recommendations for globally harmonized minimum aircraft equipage lists to ensure that provided navigation infrastructure can be used by airspace users in line with available air traffic services.</p>
<p><b>Recommendation 2.3/2 – Turbulence encounters as a global operational safety risk</b></p>	<p>That States:</p> <p>a) share experiences and best practices related to turbulence encounters; and</p> <p>b) establish mechanisms to improve the availability of air-reports, including special air-reports, especially those made routinely and containing quantitative turbulence information;</p> <p>that ICAO:</p> <p>c) identify means for collecting and sharing turbulence-related data among Member States and industry to actively monitor global turbulence risk;</p> <p>d) consider the need for additional provisions to improve the collecting and sharing of turbulence related data among States and industry; and</p> <p>e) in collaboration with the scientific and meteorological communities, investigate ways to enhance clear-air turbulence forecasting models and narrow down areas of probability.</p>
<p><b>Recommendation 3.1/1 – Project 30/10 - Optimized implementation of longitudinal separation minima</b></p>	<p>That States:</p> <p>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;</p> <p>that ICAO:</p> <p>b) through the planning and implementation regional groups, develop regional action plans for the implementation of Project 30/10;</p> <p>c) monitor and support inter-regional collaboration for a harmonized implementation of Project 30/10; and</p> <p>d) consider other minimum service level procedures, via a framework, for implementation in oceanic and remote airspace.</p>

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

That States:

- a) adopt a phased implementation plan for transitioning to modern communications, navigation and surveillance, and air traffic management systems while maintaining a minimum operation network for the provision of resilient air navigation services;

that ICAO:

- b) develop a global framework to guide Member States in phasing out and/or optimizing the use of legacy systems, ensuring consistency and interoperability;
- c) consider including a methodology to optimize the utilization of legacy systems in the communications, navigation and surveillance technology roadmap, leveraging the communications, navigation and surveillance minimum operation network concept, in a globally harmonized manner;
- d) establish a knowledge-sharing platform for Member States to share experiences, challenges and best practices related to the transition from legacy systems to modern air traffic management technologies; and
- e) provide implementation support for the transition from legacy systems to modern air traffic management technologies.

## APPENDIX J

### Panel representatives and meetings attended and planned for 2024 - 2025

Expert Group and IFATCA Members	2024 Meetings	2025 Meetings
<b>Aerodrome Design and Operations Panel (ADOP)</b> Ms Bridget Gee		17 to 21 Mar 25
<b>Air Traffic Management Operations Panel (ATMOPS)</b> Mr Enrick Taylor	21 to 25 Oct 2024	7 to 11 Apr 2025
<b>Air Traffic Management Requirements &amp; Performance Panel (ATMRPP)</b> Mr De Wei Wim		7 to 11 Apr 2025
<b>Operational Datalink Working Group (OPDLWG)</b> Mr Markus Johnston	11 to 15 Nov 2024	5 to 9 May 2025
<b>Flight Operations Panel (FLTOPSP)</b> Mr Oliviero Barsanti		20 to 24 Jan 2025
<b>Instrument Flight Procedure Panel (IFPP)</b> Mr John Langa Tembo		17 to 28 Mar 2025
<b>Meteorology Panel (METP)</b> Mr Eric Avila	28 Oct to 1 Nov 2024	3 to 7 Mar 2025
<b>Personnel, Training and Licensing Panel (PTLP)</b> Ms Ausra Straume	4 to 8 Nov 2024	13 to 17 Jan 2025
<b>Remotely Piloted Aircraft Systems Panel (RPASP)</b> <b>Advance Air Mobility Study Group (AAM-SG)</b> Mr Eugenio Diotalevi	9 to 13 Dec 2024 (RPASP)	17 to 21 Mar 2025 (AAM-SG)
<b>Separation and Airspace Safety Panel (SASP)</b> Mr David Perks	4 to 15 Nov 2024	5 to 9 May 2025
<b>Safety Management Panel (SMP)</b> Mr Andy Belshaw	10 to 13 Dec 2024	

<b>Surveillance Panel (SP)</b> Mr Ignacio Baca		11 to 15 Mar 2025
<b>True North Advisory Group (TRUE-AG)</b> Mr Dan Walker	9 to 13 Sep 2024	3 to 7 Mar 2025