



## International Coordinating Council of Aerospace Industries Associations

# Newsletter

## Spring 2023

### A WORD FROM OUR CHAIR

As ICCAIA enjoys the arrival of spring in Montreal, this edition of our member newsletter shares some excellent progress since the ICAO 41st Assembly last October.

On March 21st, we gathered in person in Montreal to speak to the ICAO Council on our white paper on regulation to enable LTAG technologies. The presentation highlighted some key technologies, such as electric, hybrid, and hydrogen propulsion, as well as examples of the ICAO standards that will likely need adaptation. The presentation was well received by the Council, which has asked ICCAIA to provide a detailed timeline as a next step.



Good progress is also being made on other topics raised at the Assembly, thanks to strong, cross-industry cooperation. Issues such as the safety of regional operations, 5G, advanced air mobility, and ICNSS are progressing through expert groups, and there will be opportunities to bring the other items through ICAO panels provided by direct submission.

We hope to see you at many of the events we have on the calendar this year. ICCAIA is planning for the third CAAF meeting in Dubai in November, which will discuss important issues around sustainable aviation fuels. There will be two Industry Consultative Forums with the ICAO Council – one on alternative methods of propulsion and one on cybersecurity. We are also looking forward to the ICAO Gender Summit in July, which has a welcome focus on gender equality in aviation and aerospace, as well as the Air Navigation Symposium (AN World) in August.

ICCAIA encourages all of our members to engage in these meetings and conferences to ensure that manufacturing and services industries are well represented and our voice continues to be heard on the global stage.

As always, please do not hesitate to reach out if you have any questions.

***Eric Fanning, Chair, ICCAIA & President and Chief Executive Officer of the Aerospace Industries Association (AIA)***

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#### SPECIAL POINTS OF INTEREST

ICCAIA White Paper on the Regulatory Roadmap to 2050
CAAF/3 Timeline and Meeting

## ICAO COUNCIL / ANC VISIT TO AIRBUS

Since the 40th General Assembly in 2019, and in concert with both the President of the Council and the Secretary General's desire to have a closer engagement with the industry, a series of visits for the ICAO Council to industry in the Montreal area have been arranged.

This program also feeds into the Industry Consultative Forum (ICF) as a useful tool to help the Council members, who are often drawn from their respective foreign rather than transport ministries, visualise the technologies that are described during those meetings. The first of the series of visits took place on March 16th when Airbus hosted the ICAO Council, the Secretary General and the Director of the Air Navigation Bureau to the Mirabel site, which is the Final Assembly Line (FAL) for the Airbus A220 program.

Council members had the opportunity to exchange views and ask questions of Airbus' head of the A220 program whilst participants from the Toulouse headquarters also joined remotely. A tour of the FAL and a visit to the customer support centre rounded out the morning. The opportunity to be in close proximity to the aircraft was well appreciated by the Council, and it was emphasised how the latest generation of aircraft are not only more fuel efficient by 20% or more compared to the aircraft they replace, but also have significantly smaller noise footprints due to a combination of both airframe



and engine technologies.

In order to continue this theme, the Council's next visit, in May, will be to engine manufacturer Pratt & Whitney Canada – a timely visit considering that the third ICF will focus on future propulsion technologies.

The Council visit was followed, at the beginning of April, by a similar program for the Air Navigation Commission. Commissioners and Observers enjoyed visits to Pre-FAL and FAL facilities, as well as a fascinating insight into testing and the engineering simulator. This helped to set the stage for discussions on challenges faced by industry and the critical role that standard-making plays.

These visits represent a significant change in the way that ICAO seeks to engage with industry and ICCAIA will build on this new approach going forward.

## ICCAIA AGM & BOARD MEETING



ICCAIA's Annual General meeting took place on 21st February, formally confirming Mr. Eric Fanning as ICCAIA's Chair for the next two years, and appointing Mr. Takumi Fujino from SJAC as Vice Chair. Alongside the financial formalities, the Chairs of all of ICCAIA's Committees presented their annual reports, highlighting the incredible amount of work that has been achieved in the past year.

The reports are available on ICCAIA's website at <https://iccaia.org/2023/02/iccaia-2022-annual-report/>.

ICCAIA's Board met in March, 2022 in person in Montreal, which provided the opportunity for in-person exchanges at an informal dinner and the chance to meet new participants from FEMIA and CSAA. The Board discussed administrative and financial matters as well as the challenges and opportunities facing ICCAIA and the industry as we move into a new era of innovation.

## ICCAIA ADVANCED AIR MOBILITY ADVISORY GROUP

The inaugural meeting of ICCAIA's Advanced Air Mobility Advisory Group took place on the 6th April 2023, chaired by Mr. Brenden Hedblom, from EVE Air Mobility. There were 30 participants from a broad range of companies, with a wide range of specialties from vehicle manufacture, through air traffic management, legal aspects and vertiport development. The initial meeting enabled introductions to be made and terms of reference for the group to be agreed. It also laid the groundwork for the first meeting of the ICAO AAM Study Group which met for the first time from 1st–5th May in Montreal.

Participants have developed an Information Paper which will provide ICAO with some background for current developments underway in Industry. This will help to lay the foundation for the work needed and shape the timeline for the regulatory framework. We will provide an update from the first meeting in our next newsletter and regular feedback on developments.

If you are interested in joining the ICCAIA AAM group, please contact your association for nomination, or Nina Brooks [nbrooks@iccaia.org](mailto:nbrooks@iccaia.org).



*Skyports Infrastructure Living Lab, Marina, California*

## FIRST MEETING OF THE TRUST FRAMEWORK PANEL

ICAO has established the International Aviation Trust Framework (IATF) as a foundational aspect of its work in developing standards and harmonized procedures for a digitally seamless sky and dependable information exchange between all parties. The IATF is comprised of a set of policies, requirements, and best practices that will enable resilient and secured ground-ground, air-ground, and air-air exchange of digital information, and among both traditional and newly-emerging system stakeholders.

This work is supported by the Trust Framework Panel (TFP). The first meeting of the panel was held 27-31st March 2023, chaired by Jean-Paul Moreaux from EASA, with a Vice Chair of Dr. Amornrat Jirattigalachote (CAA Thailand).

The first panel focused on agreeing the work to be completed, working groups needed and working methods. It also discussed the need for coordination with other panels such as the Cybersecurity Panel (CySecP), Communications Panel and Air Traffic Management Requirements and Performance Panel.

Three working groups were established; Identity Management, Trust Framework Considerations and Information Security Framework

The panel aims to produce an Information Security Manual (ISM), which will be available for review and input by ICCAIA members. The timeline agreed for production of the manual is ambitious, with chapters are to be reviewed in three week cycles. The first chapter to be reviewed is "Risk Management," which is due 8<sup>th</sup> May. Some concerns were raised about the clarity of scope between the Cybersecurity Panel and Trust Framework panels and whether activities were coordinated. The ICCAIA Security Committee will continue discussions to develop an ICCAIA position on the scope of the work, and the role of ICAO alongside industry standards bodies such as EUROCAE WG-72 / RTCA SC-216.

ICCAIA representatives to the TFP attended the CySecP working meeting in Toulouse 25-28 April to aid coordination discussions between CySecP and TFP as well as ICAO level and industry standards.

Members who are interested in getting involved in the review of the Information Security Manual and panel work are asked to initially contact Nina Brooks [nbrooks@iccaia.org](mailto:nbrooks@iccaia.org).

# ICCAIA WHITE PAPER ON THE REGULATORY ROADMAP TO 2050 ENABLING LTAG TECHNOLOGIES SAFELY AND SECURELY

In the closing months of 2022, ICCAIA developed a White Paper based on our previous Working Paper for the 41st General Assembly advocating for ICAO to develop a regulatory roadmap that would enable the manufacturer technologies identified in the ICAO Long Term Aspirational Goal (LTAG) Report to be brought to market.



*Eric Fanning, Chair, ICCAIA & Nina Brooks, Vice President and Permanent Representative to ICAO*

The LTAG Report identifies suites of both evolutionary and revolutionary technologies that are needed on the pathway to Net Zero 2050, but the need for modified or entirely new regulations to accommodate them remained an open question. ICCAIA's White Paper was designed to build on the Assembly's acknowledgement that a regulatory roadmap is needed and to highlight that the areas of certification, airworthiness and aerodrome

standards, at a minimum, need to be prepared in advance to accept new vehicle designs and propulsion types.

On March 21st, ICCAIA's Chair was given the opportunity to present the White Paper to the ICAO Council in person as a part of a wider Informal Briefing on the subject of 'innovation'. The presentation highlighted some of the technologies identified, some of the ICAO Annexes that will likely need adaptation and ICCAIA's ask that ICAO begin to work on this by means of conducting a gap analysis as a first step.

Council members indicated strong support for the need to develop means to enable these technologies in light of the Net Zero 2050 commitment taken in October, and subsequently have asked the Council Small Group on Innovation to kick the work off. ICCAIA will be at the heart of the process in another indication of the progressively closer working relationship with all levels of ICAO.

We have already started adding detail to the technology timeline and will be working with our members towards identifying regulatory gaps and hurdles.

In parallel to the LTAG regulatory roadmap, future needs, strategies and CONOPS for Air Traffic Management (ATM) and Advanced Air Mobility (AAM) are progressing. Interdependencies will need to be identified as work advances in all of these area of innovation.





# REPRESENTATION OPPORTUNITIES

ICCAIA is seeking to fill the following positions on ICCAIA Committees and selected ICAO panels and expert groups. Application can be made through your Association by sending a resume and contact details (address, phone and email).

<b>ICCAIA Integrated Risk Management</b> <i>Lead</i>	This is a cross-cutting ad-hoc group. The lead will need to coordinate positions across ICCAIA Committees and gather inputs to a position paper being developed.
<b>ICAO Accident Investigation Panel (AIGP)</b> <i>Member</i>	This role reports to the ICCAIA Airworthiness Committee and will attend AIGP meetings (usually in Montreal). This is a particular issue of importance given the potential equipage impacts and new emphasis on privacy and data sharing.
<b>ICAO Aviation Security Panel (AVSEC)</b> <i>Observer</i>	An Observer is needed for the AVSEC Panel. The Observer attends AVSEC panel meetings usually in Montreal along with some working groups that are usually virtual. Experience of physical security is desirable.
<b>ICAO Cybersecurity Panel</b> <i>Advisors</i>	Additional resource is needed for the Cybersecurity panel and its working groups, developing standards and guidance material on Cybersecurity.
<b>ICCAIA Security Committee</b> <i>Chair</i>	A future Chair is needed for the ICCAIA Security Committee which covers physical and cybersecurity, trust framework and integrated risk management.
<b>ICCAIA Health, Facilitation and Crisis Response Committee (HFCR)</b> <i>Vice Chair</i>	A Vice Chair is needed to support the work of this new ICCAIA committee looking at health issues post pandemic, best practices, innovation and crisis response.
<b>ICAO Facilitation Panel</b> <i>Observer and Working Groups</i>	A panel Observer is needed to work on health-related standards, recommended practices and guidance material.
<b>ICCAIA Airworthiness Committee (AWC)</b> <i>Vice-Chair</i>	An additional Vice Chair will be needed by the end of the year for the ICCAIA Airworthiness Committee.

## ABOUT ICCAIA

ICCAIA's members are engaged in the design, development, manufacture and in-service support of aeronautical and space products and technologies, including related ground-based systems and services.

Recognized by the International Civil Aviation Organization (ICAO), ICCAIA provides an avenue for the world's aerospace manufacturers and service providers to offer their industry expertise toward the development of the international standards and regulations necessary for the safety, security, efficiency and sustainability of air transport.

Find out more on [www.iccaia.org](http://www.iccaia.org)

Vice Presidents and  
Permanent Representatives to ICAO

Executive  
Assistant



Dan Carnelly



Nina Brooks



Sandrine Kanakri



## MEET FEMIA'S NEW PRESIDENT

*Mr. Carlos Robles*

In November 2022, Mr. Carlos Robles, President and Head of Aerospace at AMBE Engineering LLC, was elected President of FEMIA for 2 years, a position he had previously held from 2016 to 2018. Mr. Robles also served as Honorary President and Vice-President of the Center Region and Vice-President of Bombardier in Mexico. He accepted our interview and we are happy to share with you hereafter his answers.

**Q. How would you describe yourself? How would your team describe you?**

A. I am a leader full of passion and commitment who loves helping people around to find meaning in all they do. I am energetic, curious, and spend most of my time trying to create new ways of making things taster and better. Pragmatic to the bone I am always for a conversation with a good coffee about how to improve processes, bring to life innovative ideas, and connect to collaborate. My team will describe me as an achiever with space to create strong personal relationships that last forever.

**Q. What attracted you to aviation/aerospace?**

A. I started my career in automotive. A headhunter sent me to an interview with Bombardier 12 years ago. It was love at the first sight. Since that day, aerospace became my passion and the path that has brought me the most exciting times, the biggest challenges, but also the achievements I am most proud of. It also provided with the opportunity to represent my country in the world, and try my best to promote our capabilities and potential. It became a way of living for me.

**Q. What are you most passionate about?**

A. I really enjoy promoting Mexico and all the national companies existent in our business ecosystem. I know most of the people in the industry and I enjoy finding new ways to collaborate amongst us, but also in foreign countries. Finding new ways to integrate Mexican operations into the global supply chain is something I will always be proud of. I love visiting manufacturing plants to benchmark the best practices and collaborate to improve them.

**Q. What, in your view, is the biggest challenge facing aviation right now?**

A. I think COVID really disrupted our supply chains. It has been taking a lot of effort and resources to re-balance and stabilize the supply chain from end to end. There is still a lot to do, but in a way we are also learning to minimize risks from our recent experiences. It means at the same time a big opportunity that we need to embrace. In the future to come, if we want to keep evolving the maturity of our process and optimizing in terms of efficiency and footprint, we need to make sure that the suppliers are healthy, willing to collaborate, able and fast to adapt to market needs. A complete, healthy supply chain, means we can keep growing and innovating.

**Q. What excites you about the future of aviation?**

A. innovation and sustainability are evolving at great speed. I dream about the day we can fly on sustainable fuels only. I think it is not going to take very long. I love that the industry is taking solid steps into it. The innovation is also marking mega trends from Unmanned flights all the way to eVTOLs. I also do think that space is the next frontier to conquer and the advances we are seeing will takes us to the moon (literally) very soon. If everything works to the plan I should be around to see it.

**Q. Where would you love to volunteer your time and help?**

A. There is no single request for a conference, a lecture, universities classes, or webinars to share knowledge I say no. I think by teaching I am giving my society something back. I am very fortunate to teach the future leaders of the industry in Mexico. I have always seen it like my little contribution to make this a better place, but also it is my way to give back a bit of what the industry has given me.



## MEET FEMIA'S NEW PRESIDENT (Continued)



### ABOUT FEMIA

The Federación Mexicana de la Industria Aeroespacial (FEMIA) is the Mexican association of aerospace industries.

Founded in 2007 as a private, not-for-profit association, FEMIA represents more than 120 members from the aerospace industry (Manufacturing, MRO, Design, Engineering, and Associated Services) in 14 states.

FEMIA partners account for more than 80% of the annual exports of the Mexican aerospace sector.

For more details, please visit [www.femiamx.com](http://www.femiamx.com).

**Q. What is the most challenging problem you have ever solved?**

A. I had to transfer 6,000 part numbers from Canada to Mexico in 3 months. All work instructions were in French and the special processes were not vertically integrated. We made a great job, I worked with great people engaged to make it happen, and the prize after achieving it, was 6,000 more parts to transfer there. It is now the biggest sheet Metal manufacturing operation in America. with more than 200 people operating and more than 12,000 part numbers being produced as a single source.

**Q. What are you looking forward to the most in the next year?**

A. I really do think nearshoring is for real and it is here. This year is crucial to make the most out of the window of opportunity. I am excited to see plants expanding their footprint in Mexico, some others will open from greenfield, and some big buyers are looking to bring parts to be delivered from Mexico. If we work as a team, the growth will be the best in the story of the Mexican aerospace industry.

## ICAO DRONE ENABLE 2023 - REQUEST FOR INFORMATION

The DRONE ENABLE 2023 Symposium will be held from 5 to 7 December 2023 in Montreal, Canada, at the ICAO Headquarters, under the theme "Innovation and infrastructure developments supporting the future of unmanned aviation". A request for information has been launched to address the following topics: i) Solutions needed or being developed to address CNS requirements for UTM in low-level airspace; and ii) Considerations related to critical elements of AAM requiring global interoperability, and harmonization challenges involved with cross-border UAS operations. Submissions must be received by ICAO no later than 19 May 2023.

Further details are available at <https://www.icao.int/Meetings/DRONEENABLE2023/>.

## CALENDAR MAY - OCTOBER 2023

Dates	Meeting	Place
01-05 May 2023	1st Meeting of the Advanced Air Mobility Study Group (AAM SG/1)	ICAO HQ
03-04 & 07-08 May 2023	ICAO Environment Regional Seminar - Asia and Pacific (APAC) & Middle East (MID)	ICAO-Bangkok & Cairo
8-12 May 2023	6th meeting of the Safety Management Panel	ICAO HQ
8-19 May 2023	4th meeting of the Separation and Airspace Safety Panel	ICAO HQ
14-17 May 2023	20th Meeting of Middle East Air Navigation Planning and Implementation Regional Group	ICAO-Oman
14-17 May 2023	10th Meeting of the Regional Aviation Safety Group, Middle East	ICAO-Oman
23-26 May 2023	8th meeting of the Accident Investigation Panel	ICAO HQ
29 May-2 June 2023	34th Meeting of the Aviation Security Panel	ICAO HQ
30 May-2 June 2023	Global Implementation Support Symposium	ICAO-Seoul
5-9 June 2023	5th meeting of the Air Traffic Management Requirements & Performance Panel	ICAO HQ
5-9 June 2023	Second Meeting of the Cybersecurity Panel	ICAO HQ
6-8 June 2023	ICAO TRIP Regional Symposium	ICAO-Kazakhstan
19-23 June 2023	Directors General of Civil Aviation - European and North Atlantic Region	ICAO-Paris
20-22 June 2023	Directors of Civil Aviation - North American, Central American and Caribbean Region	ICAO-Varadero
5-7 July 2023	2nd Global Aviation Gender Summit	ICAO-Madrid
11-13 July 2023	2023 ICAO Stocktaking on aviation in-sector CO2 emissions reductions and pre-CAAF/3 Policy and Finance Consultation	ICAO-Montreal & Virtual
29-31 August 2023	Air Navigation World	ICAO HQ
5-8 Sept. 2023	4th Meeting of the Aviation Data and Analysis Panel	ICAO HQ
12-14 Sept. 2023	DRONE ENABLE/ Remotely Piloted Aircraft Systems (RPAS)	ICAO-Brazil
12-14 Sept. 2023	Traveller Identification Programme (TRIP) 2023	ICAO HQ
Mid Sept. 2023 (TBC)	Preliminary Meeting for the 3rd ICAO Conference on Aviation and Alternative Fuels	ICAO HQ
18-29 Sept. 2023	5th meeting of the Surveillance Panel	ICAO HQ
18-29 Sept. 2023	16th meeting of the Instrument Flight Procedures Panel	ICAO HQ
19-21 Sept. 2023	14th meeting of the Flight Recorder Specific Working Group	ICAO HQ
11-13 October 2023	4th Meeting of the Technical Advisory Group on the Traveller Identification Programme	ICAO HQ
16-20 October 2023	Committee on Aviation Environmental Protection Steering Group Meeting	ICAO-Japan (TBC)
17-19 October 2023	9th Joint Meeting of the Airport Economics Panel and Air Navigation Services Economics Panel	ICAO HQ
23-27 October 2023	22nd meeting of the Remotely Piloted Aircraft Systems Panel	ICAO HQ
23-27 October 2023	ICAO Security Week 2023: AVSEC & CYBERSEC	ICAO HQ
25-27 October 2023	Civil Aviation Training Centres Working Group - North American, Central American and Caribbean Region	ICAO-Mexico City



# 3<sup>rd</sup> ICAO CONFERENCE ON AVIATION AND ALTERNATIVE FUELS

## CAAF/3 Meeting and Timeline

In March of 2022, ICAO held its second Industry Consultative Forum (ICF) focused on Sustainable Aviation Fuels (SAF) and Low Carbon Aviation Fuels (LCAF), with participation from senior levels of ICCAIA airframe and engine manufacturers. Industry asked ICAO to revisit its 2050 vision for SAF and consider developing a global framework of policy measures that could help to develop and deploy the production and distribution of such fuels in industrialised quantities to facilitate the sector's decarbonisation strategy. That ask was heard by the ICAO Council and was transformed into a Resolution at the 41st Assembly in October 2022 that leads to the 3rd ICAO Conference on Aviation and Alternative Fuels, or CAAF/3.

An almost year-long series of events leading up to the CAAF/3 is being planned by ICAO, and further, into the COP28, and ICCAIA manufacturers will be key participants and contributors along the way.

Like the COP28, the CAAF/3 will take place in Dubai in November. The two events are closely linked with an expectation that whatever decisions and commitments are taken by ICAO will form the basis for communications and actions for the aviation sector at the COP. As we advance along the timeline set out below, we will be sure to provide more information on developments through this newsletter.

## The road to CAAF/3 - Timeline



## ACKNOWLEDGEMENTS

ICCAIA would like to sincerely thank all of the contributors to this newsletter, the Committee Chairs and Working Group leads. We would welcome contributions from all members for future issues.

Please let us have your feedback and ideas for future topics at [info@iccaia.org](mailto:info@iccaia.org)