

# AIR NAVIGATION WORLD 2023

## Shaping the Skies of Tomorrow

28 - 31 August 2023 | Montréal, Canada

### DAY 1 – Monday, 28 August 2023

	Assembly Hall	CR 3
14:00 – 14:30	<b>Opening of ANW by Mr. Salvatore Sciacchitano, President of the ICAO Council</b>	
14:30 – 15:30	<b>Setting the Scene – Long Term Global Aspirational Goal</b>	
15:30 – 16:00	<i>Coffee Break</i>	
16:00 – 17:30	<b>Modern approaches to safety (I)</b>  Aviation is an example of an evolving modern socio-technical system that is seeing higher levels of automation being introduced and as a result, increasingly complex human system interactions are taking place and there are new challenges to manage. This session aims to improve visibility and awareness of different approaches to manage safety risk that can address such complexities.  <i>Panelists - to be announced</i>	
17:45 – 19:15	<i>Reception</i>	

# AIR NAVIGATION WORLD 2023

## Shaping the Skies of Tomorrow

28 - 31 August 2023 | Montréal, Canada

### DAY 2 – Tuesday, 29 August 2023

	AH 1	AH 2	CR 3
08:00 – 09:00			<b>SkyTalks Presentation</b>
09:00 – 10:30	<p><b>Electronic Certificates</b></p> <p>With the emergence of new digital technologies, the global aviation community is moving towards electronic documents and certificates. This session will discuss benefits of electronic documents and certificates as well as challenges associated with them.</p> <p><i>Panelists - to be announced</i></p>	<p><b>Modern Approaches to Safety (II)</b></p> <p>Aviation is an example of an evolving modern socio-technical system that is seeing higher levels of automation being introduced and as a result, increasingly complex human system interactions taking place and new challenges to manage. This session aims to improve awareness of approaches which aim to “build in safety” into the design of systems, technology, equipment and procedures supporting day to day operations.</p> <p><i>Panelists - to be announced</i></p>	<p><b>Future of the Air Navigation System: Information Revolution - Put data to work and support operations</b></p> <p>This session focuses on understanding how data and information, using techniques such as machine learning or artificial intelligence, will support operations. Information, connectivity and service delivery are key to the future of the air navigation system as stated in the Global Air Navigation Plan (GANP). The goal of this stream is to understand how States, industry and the research and development community are tackling these three cornerstones as we start the development of the next major update of the GANP, the Eighth edition</p> <p><i>Panelists - to be announced</i></p>
10:30 – 11:00	<b>Coffee Break</b>		
11:00 – 12:30	<p><b>Cross-Border Transferability (XBT)</b></p> <p>The rapid evolution of global aircraft leasing operations has made the transfer of aircraft from one State to the other more frequent and highlighted certain inefficiencies in a global system that was developed when leasing arrangements were not common. This session will discuss issues associated with the cross-border transferability as well as exchange ideas on how to address them.</p> <p><i>Panelists - to be announced</i></p>	<p><b>Aerodrome Planning</b></p> <p>Discussing the expected operational and infrastructure changes related to the integration of new generation of aircraft into the airports with a focus on new fuels (hydrogen, electric), AAM, RPAS, etc.</p> <p><i>Moderator: Nina BROOKS, ICCAIA</i>  <i>Speakers: Marco PELLIGRINO</i>  <i>Further panelists - to be announced</i></p>	<p><b>Future of Air Navigation System: Information Revolution - Infrastructure to support big data analytics</b></p> <p>This session focuses on understanding what are the infrastructure needs, for instance in terms of storage or processing, to support data analytics.</p> <p><i>Panelists - to be announced</i></p>
12:30 – 14:00	<b>Lunch Break</b>		

# AIR NAVIGATION WORLD 2023

## Shaping the Skies of Tomorrow

28 - 31 August 2023 | Montréal, Canada

	12:30 – 12:40 Lunch Sponsor Talk		12:30 – 12:50 SkyTalks Presentation
	13:40 – 14:00 SkyTalks Presentation by Thales	13:20 – 13:40 SkyTalks Presentation	
<b>14:00 – 15:30</b>	<p><b>Higher Airspace Operations: Concepts and Economic Benefits</b></p> <p>Industry will showcase the technical aspects of the Higher Airspace Operations and how they deliver on the needs of the communities that they intend to serve.</p> <p><i>Panelists - to be announced</i></p>	<p><b>Aerodrome Capacity and Resilience</b></p> <p>This session looks across the entire airport system on how it can meet future demand, including airport performance management, best use of available system capacity, need for adaptation of operational measures, and possibly infrastructures, preparedness to respond to major natural events.</p> <p><i>Moderator: Thomas ROMIG, ACI</i> <i>Speakers: Allan PADILLA</i> <i>Further panelists - to be announced</i></p>	<p><b>Future of Air Navigation System: Information Revolution - Responsible use of data for a sustainable future</b></p> <p>This session focuses on the ethical and legal aspects of the use of data and information.</p> <p><i>Panelists - to be announced</i></p>
<b>15:30 – 16:00</b>	<b>Coffee Break</b>		
<b>16:00 – 17:30</b>	<p><b>Higher Airspace Operations: Enabling ICAO's role</b></p> <p>Regulators and service providers will discuss the way forward for the global community to enable these operations and the critical supporting role for ICAO.</p> <p><i>Panelists - to be announced</i></p>	<p><b>Upcoming Aerodrome Standards and future needs</b></p> <p>Industry perspective on proposed regulations, their advantages, and the responsibilities of various stake holders in implementing them.</p> <p><i>Moderator: Andrew BADHAM, UK CAA</i> <i>Speakers: Cyril FABRE, ICCAIA</i> <i>Further panelists - to be announced</i></p>	<p><b>NOTAM Replacement</b></p> <p>The current NOTAM system needs to evolve to meet the needs of the diversity of users of the future air navigation system. The aeronautical information world is undergoing a digital and service-oriented transformation enabled by SWIM. Therefore, there is an opportunity to introduce a new model for the establishment of an effective and modern information service that serves as a replacement of the information currently provided by NOTAM.</p> <p><i>Panelists - to be announced</i></p>
<b>17:45 – 19:15</b>	<b>Reception</b>		

# AIR NAVIGATION WORLD 2023

## Shaping the Skies of Tomorrow

28 - 31 August 2023 | Montréal, Canada

### DAY 3 – Wednesday, 30 August 2023

	AH 1	AH 2	CR 3
08:00 – 09:00			SkyTalks Presentation
09:00 – 10:30	<p><b>Helicopter Safety</b> This session aims to identify the key areas of work to reduce the global helicopter accident rate.</p> <p><i>Moderator: Jim Viola, President/CEO of Helicopter Association International</i> <i>Further panelists - to be announced</i></p>	<p><b>Age Limitations</b> This session will discuss the factors to consider when determining age limitations for aviation license-holders in international civil aviation operations.</p> <p><i>Panelists - to be announced</i></p>	<p><b>Future of the Air Navigation System: Full Connectivity - Ubiquitous connectivity for seamless operations</b> This session focuses on understanding how to fully accommodate airspace users with different operational capabilities and needs in an environment with different connectivity solutions.</p> <p><i>Panelists - to be announced</i></p>
10:30 – 11:00	<i>Coffee Break</i>		
11:00 – 12:30	<p><b>Performance Based Aerodrome Operating Minima (PBAOM) - Operators</b> In this session the implications of PBAOM on flight operations are considered, including the potential benefits in terms of efficiency and possible barriers to effective implementation of the concept.</p> <p><i>Panelists - to be announced</i></p>	<p><b>Mental Health</b> This session on psychological Wellbeing and Mental Health in aviation discusses balancing personal health and aviation safety with specific focus on the role of building trust; training and peer support initiatives.</p> <p><i>Panelists - to be announced</i></p>	<p><b>Future of the Air Navigation System: Full Connectivity - Open architecture for a cost-effective infrastructure</b> This session focuses on understanding how the aviation community is taking advantage of available commodities, such as widely available access to broadband Internet that is faster and a better value for money, and more devices with built-in connection capabilities and sensors enter the market.</p> <p><i>Panelists - to be announced</i></p>
12:30 – 14:00	<i>Lunch Break</i>		
	12:30 – 12:50 SkyTalks Presentation	12:30 – 12:40 Lunch Sponsor Talk 13:40 – 14:00 SkyTalks Presentation	13:20 – 13:40 SkyTalks Presentation

# AIR NAVIGATION WORLD 2023

## Shaping the Skies of Tomorrow

28 - 31 August 2023 | Montréal, Canada

<p><b>14:00 – 15:30</b></p>	<p><b>Performance Based Aerodrome Operating Minima (PBOAM) -Air Traffic Management</b></p> <p>In this session the implications of PBAOM on air traffic management are considered, including the impact of mixed basic and advanced aircraft operations on flow management and sequency, as well as information requirements for controller regarding aircraft capabilities.</p> <p><i>Panelists - to be announced</i></p>	<p><b>Evolution of Medical Certificates</b></p> <p>This session will discuss the existing or proposed new national medical certification practices for general aviation pilots and its implications in aviation safety</p> <p><i>Panelists - to be announced</i></p>	<p><b>Future of the Air Navigation System: Full Connectivity - Resilience for a sustainable future</b></p> <p>As a result of this globally rich information sharing environment, it is also essential to move towards a global approach to information security. This session focuses on understanding how the aviation community is addressing information security.</p> <p><i>Panelists - to be announced</i></p>
<p><b>15:30 – 16:00</b> <i>Coffee Break</i></p>			
<p><b>16:00 – 17:30</b></p>	<p><b>Performance Based Aerodrome Operating Minima (PBAOM) - Aerodromes</b></p> <p>In this session the implications of PBAOM on the aerodrome design and operation are considered, including the challenges of operating in very low visibility and the need to consider how to accommodate advanced aircraft operating at the aerodrome.</p> <p><i>Panelists - to be announced</i></p>	<p><b>Medical Science, Patient Transport and Air Ambulance Operations</b></p> <p>This session discusses advances in technology to provide patient care on board aircraft, including commercial aviation, emergency response and specialized air ambulance services with focus on operational challenges and harmonization of procedures.</p> <p><i>Panelists - to be announced</i></p>	<p><b>Use of New Technologies in Aviation Personnel Training</b></p> <p>This session will explore use cases in all aviation professions' training of extended reality (XR - including VR, AR and MR) and provide examples of experience feedback and identify the way forward.</p> <p><i>Panelists - to be announced</i></p>

# AIR NAVIGATION WORLD 2023

## Shaping the Skies of Tomorrow

28 - 31 August 2023 | Montréal, Canada

### DAY 4 – Thursday, 31 August 2023

	Assembly Hall (AH 1 and AH 2 combined)	CR 3
09:00 – 10:30	<p><b>Meteorology (I)</b></p> <p><i>Panelists - to be announced</i></p>	<p><b>Future of the Air Navigation System: Service Delivery - Agile systems for flexible operations</b></p> <p>This session focuses on raising awareness among the aviation community to shift to and enable the operator to manage the flight trajectory, while ANSPs focus on managing constraints and air navigation resources.</p> <p><i>Panelists - to be announced</i></p>
10:30 – 11:00	<i>Coffee Break</i>	
11:00 – 12:30	<p><b>Meteorology (II)</b></p> <p><i>Panelists - to be announced</i></p>	<p><b>Future of the Air Navigation System: Service Delivery - Sustainability impact of System of systems</b></p> <p>This session focusses on the definition of new approaches to achieve the optimum decision-making scenario ensuring access and equity. The simple rules of rationing air traffic flow management and time-based scheduling, implemented in the past, need to be replaced through a gradual introduction of “market rules” with regulations adapted to the needs and possibilities of the market to self-regulate, as long as the performance of the overall network is not negatively impacted and access and equity are preserved so as to accommodate all demand.</p> <p><i>Panelists - to be announced</i></p>
12:30 – 13:45	<i>Lunch Break</i>	
	12:30 – 12:40 Lunch Sponsor Talk	

# AIR NAVIGATION WORLD 2023

## Shaping the Skies of Tomorrow

28 - 31 August 2023 | Montréal, Canada

<b>13:45 – 15:15</b>	<b>Moderator recap</b> The moderators of each session will provide an overview and summary of topics discussed, focusing on potential action items and the way forward.  <i>Panelists - to be announced</i>	
<b>15:15 – 15:45</b>	<b>Closing Remarks by Juan Carlos Salazar, Secretary General of ICAO</b>	