



International
Civil Aviation
Organization

Organisation
de l'aviation civile
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Organización
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Международная
организация
гражданской
авиации

منظمة الطيران
المدنى الدولى

国际民用
航空组织

File Ref.: AT 5/2 – 24/168

22 October 2024

**Subject: ICAO Aviation Data and Analysis Seminar
(Riyadh, Saudi Arabia, 3 – 5 December 2024)**

Action required: Reply no later than 15 November 2024

Sir,

I have the honor to invite your Administration/Organization to attend the ICAO Aviation Data and Analysis Seminar, which is gratefully hosted by the Kingdom of Saudi Arabia in the Crowne Plaza Hotel, Riyadh from **3 to 5 December 2024**.

The Provisional Programme for the Seminar is enclosed in **Attachment A**. Information on the venue, administrative arrangements, including the Hotel List in Riyadh is included in the Visitor Guide available on the ICAO MID website at: [Pages - Aviation Data and Analysis Seminar \(ADAS\) \(Riyadh, Saudi Arabia, 3 - 5 December 2024\)](#). The Seminar will be held back-to-back with the Aviation Competitiveness Working Group (1-2 December 2024). The programme of the ACWG meeting is also available on the same web page for ease of reference.

The ICAO Aviation Data and Analysis Seminar is a vital platform bringing together regulators, air navigation service providers (ANSPs), aerodrome operators, aircraft operators, international organizations, and industry stakeholders. As the aviation sector evolves, access to timely, accurate, and comprehensive data becomes increasingly critical for decision-making, economic planning, and policy development.

This seminar will provide an unparalleled opportunity for participants to explore cutting-edge tools and technologies developed by ICAO to monitor and assess key air transport trends. Key discussions will focus on the following critical areas:

- Aviation Data Needs and Utilization: Understanding the growing importance of reliable data in the aviation sector, from passenger traffic and fleet usage to the performance of flight information regions (FIRs).
- Economic Benefits of Aviation: Analyzing how data-driven insights can enhance economic efficiency for airlines, airports, and ANSPs, and their impact on national economies.
- Big Data in Aviation: ICAO will present advanced applications in big data analysis that are shaping the future of air transport by improving forecasting, operational efficiency, and competitiveness.

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- Artificial Intelligence in Aviation: The role of AI in enhancing decision-making processes, predictive analytics, and optimizing aviation operations across the value chain.

The seminar will feature insightful presentations on the latest developments in aviation data analytics, along with panel discussions to address strategic topics such as the integration of information systems, enhancing airline efficiency, and economic planning for airports and ANSPs. The event will provide stakeholders with practical knowledge to harness these innovations for enhanced decision-making and long-term growth in the aviation industry.

Taking into consideration the scope of the subjects to be addressed by the Seminar, it is strongly recommended that your delegation includes experts from both the regulator and service providers' side, who are actively involved in the economic planning, analysis and policy making.

I would appreciate if you could, as soon as possible and preferably not later than **15 November 2024**, confirm the participation of your Administration/Organization by submitting the Nomination Form at **Attachment B** to the following email address: (icaomid@icao.int) with copy to (msmaoui@icao.int).



Mohamed Abubaker Farea
Regional Director
ICAO Middle East Office

Enclosures:

Attachment A – Provisional Programme

Attachment B – Registration Form

ICAO Aviation Data and Analysis Seminar

3-5 December 2024, Riyadh, Saudi Arabia

Objectives

The Seminar will provide an opportunity to foster the dialogue between the States, international organizations and aviation stakeholders on the use of aviation data and analysis to facilitate data-driven decision making.

The Seminar will also provide participants with an opportunity to learn about the new ICAO data and analytics solutions for monitoring and assessing key trends in air transport. The ICAO data solutions encompass a wide array of analytics ranging from operations to financials, including evolution of passenger and cargo traffic, aircraft fleet usage, traffic by Flight Information Region (FIR), and revenue impact on airlines, airports and air navigation services providers (ANSPs).

Day 1 – 3 December 2024	
09:00-09:30	Registration of Delegates
09:30-10:00	Welcome remarks by GACA
10:00-10:30	Tea/Coffee Break
10:30-10:45	Group photo
10:45-12:00	Presentation of key trends in air transport by ICAO
12:00-13:30	Lunch
13:30-14:30	<p>Presentation and hands-on training on ICAO Applications</p> <ul style="list-style-type: none"> - ICAOData+ - Aero-Tariffs (airport and air navigation services charges) - Economic impact analysis (airlines, airport, ANSP) <p>Presented by ICAO</p>
14:30-15:30	<p>ICAO Long-Term Traffic Forecasts</p> <p>Presentation of the latest ICAO Forecasting results, methodology and application</p>

Tentative programme: themes, speakers, dates and venue may be changed by organizers

<p>09:00-10:15</p>	<p>Global Aviation Competitiveness Index</p> <p>ICAO will present the progress of the Global Aviation Competitiveness Index that measures the ability of a State to create and maintain value from its civil aviation sector. The presentation will focus on the development of methodologies and data sources to measure global aviation competitiveness and particularly the pillars and metrics. The development of this index can structurally drive outcomes and be a core lever for policy interventions across States.</p> <p>Presented by ICAO</p>
<p>10:15-10:45</p>	<p>Tea/Coffee Break</p>
<p>10:45-12:00</p>	<p>The impact of using Artificial Intelligence in Aviation</p> <p>This session will provide an overview of AI technologies, their current role and future impacts on the aviation industry</p> <ul style="list-style-type: none"> - The use of AI for data-driven decisions in the aviation value chain - Setting the scene on the importance of AI in the future of aviation to improve economic efficiency, safety, security and mitigation of environmental impact <p>Presented by ICAO</p>
<p>12:00-13:30</p>	<p>Lunch</p>
<p>13:30-14:30</p>	<p>ICAO Big Data dashboards</p> <p>The ICAO big data dashboards encompass a wide array of analytics ranging from operations to financials, including evolution of passenger and cargo traffic, aircraft fleet usage, traffic by Flight Information Region (FIR), and revenue impact on airlines, airports and air navigation services providers (ANSPs).</p> <ul style="list-style-type: none"> - Operational data: airport traffic, capacity indicators (departures, ASK, distance flown, number of seats available) by Country and by route group <p>Presented by ICAO</p>
<p>14:30-15:30</p>	<p>Industry solution (open) Or States' corner</p> <p>States are invited to share their experience of using data and analysis for informed policy making to sustain the growth of air transport.</p>

Day 3 – 5 December 2024

09:00-09:30	Licensed Aviation Personnel Statistics by gender The status of current and future aviation workforce plays a critical role in planning and implementation efforts of States. ICAO will present how it helps States through data and analytics to use its latest aviation personnel surveys results to visualize and leverage this information. Presented by ICAO
09:30-10:15	Aviation Satellite Account ICAO will present the Aviation Satellite Account (ASA) methodological framework which is used for the economic measurement of aviation activity. The ASA is critical tool to provide an effective instrument to States for designing and implementing policies to facilitate connectivity as well as investments into aviation, thus promoting the full economic and job creation potential offered by this activity. It also help to raise awareness among various players involved with aviation of the direct economic importance of this activity and also its role as an economic contributor in all the industries involved in the production of goods and services demanded by aviation. Presented by ICAO
10:15-10:45	Tea/Coffee Break
10:45-12:00	ICAO Big Data dashboards (continued) The ICAO big data dashboards encompass a wide array of analytics ranging from operations to financials, including evolution of passenger and cargo traffic, aircraft fleet usage, traffic by Flight Information Region (FIR), and revenue impact on airlines, airports and air navigation services providers (ANSPs). <ul style="list-style-type: none">- Flight cancellations- Passenger traffic evolution and trends
12:00-12:30	Industry solution (open)
12:30-13:30	Lunch
13:30-14:30	Regional perspective Presented by States
14:30-15:00	Wrap up and closing remarks

*Tentative programme: themes, speakers, dates, and times may be changed.

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
MID REGIONAL OFFICE**

ICAO AVIATION DATA AND ANALYSIS SEMINAR

(Riyadh, Saudi Arabia, 3 – 5 December 2024)

NOMINATION FORM

1. Name in full: _____
Mr. / Mrs. / Ms. (as should appear in the official listing and name tag)
2. Title or Official Position: _____
3. State/Organization: _____
4. Mailing Address: _____

5. Telephone Number: _____
Mobile Number: _____
E-mail: _____
6. Hotel _____

Date: Signature:.....

After completing, please send to: ICAO MID Office at the following e-mail address: icaomid@icao.int with a copy to: msmaoui@icao.int

Note: *Participants are expected to make their own hotel/visa arrangements*