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Международная
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منظمة الطيران
المدنى الدولى

国际民用
航空组织

File Ref.: AT 5/2-19/158

20 May 2019

**Subject: ICAO Aviation Data and Analysis Workshop & Seminar
(Istanbul, Turkey, 8 - 12 July 2019)**

Action required: Reply not later than 17 June 2019

Sir,

I have the honour to invite your Administration/Organization to attend the ICAO Aviation Data and Analysis Workshop & Seminar, which will be gratefully hosted by the Civil Aviation Authority of Turkey in Istanbul, from **8 to 12 July 2019**.

The Provisional Programme for the Workshop & Seminar is enclosed in **Attachment A**. Information on the venue, administrative arrangements, including the Hotel List in Istanbul shall be made available on the ICAO website in due course: <https://www.icao.int/Meetings/aviation-data-analysis-seminar/Pages/default.aspx>.

The objective of the Workshop & Seminar is to bring together all stakeholders (Regulators, Air Navigation Service Providers - ANSPs, Aerodrome Operators, Aircraft Operators, International Organizations and Industry) to review the current situation and trends of aviation in the EUR/NAT and MID Regions. It will also focus on the synergies between aviation, tourism and trade in order to provide an understanding of the challenges and needs of the different stakeholders, considering cost effectiveness. The use of civil aviation data analysis for planning and decision making in ICAO, national administrations, airlines, airports and ANSPs will also be addressed.

The Programme includes also presentations on the latest applications in data and analytics that are used for efficient decision making by different aviation stakeholders, as well as a number of discussion panels addressing interesting subjects such as: information systems to improve airline efficiency, economics of airports and ANSPs.

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

../.

I would appreciate if you could, as soon as possible, preferably not later than **17 June 2019**, confirm the participation of your Administration/Organization, giving the names and contact details of your delegate(s) by submitting the Nomination Form at **Attachment B** to the following email address (icaomid@icao.int) with copy to icaoearnat@paris.icao.int.

Accept, Sir, the assurances of my highest consideration.



Mohamed Khalifa Rahma
Middle East Regional Director

Enclosures:

- A- Programme
- B- Nomination Form

ATTACHMENT A – PROVISIONAL PROGRAMME

ICAO Aviation Data and Analysis Workshop & Seminar

8-12 July 2019, Istanbul, Turkey

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 solutions with respect to the data and analysis available to help States to optimize the social and economic benefits of air transport in the region.

ICAO Pre-Seminar Workshop*

Day 1 – 8 July 2019	
09.00-09.30	Registration of Delegates
09.30-12.00	<p>Presentation and hands-on training on ICAO Applications</p> <ul style="list-style-type: none"> - Traffic forecasting application - Fleet and aviation personnel forecasting application - Cost-benefit analysis application - Aero-Tariffs (airport and air navigation services charges) - Global Air Transport Optimisation - Automatic Dependent Surveillance – Broadcast (ADS-B) application <p>ICAO data+ Presented by ICAO</p>
12.00-13.30	Lunch
13.30-16.30	<p>Presentation and hands-on training on ICAO Applications</p> <ul style="list-style-type: none"> - Traffic forecasting application - Fleet and aviation personnel forecasting application - Cost-benefit analysis application - Aero-Tariffs (airport and air navigation services charges) - Global Air Transport Optimisation - Automatic Dependent Surveillance – Broadcast (ADS-B) application - ICAO data+ <p>Presented by ICAO</p>

Day 2 – 9 July 2019	
09.00-12.00	<p>Presentation of the new platform iCADS (ICAO Civil Aviation Data Solutions) iCADS is the new portal for all ICAO civil aviation data and any related information. The portal was built with the needs of the aviation industry in mind, integrating the entirety of data, business intelligence products as well as a selection of curated ICAO reports and documents.</p> <p>The all new iCADS portal represents an immersive and holistic experience allowing users unified access to the multitude of datasets (historical and forecasts) as well as business intelligence solutions provided by ICAO.</p> <p>Presented by ICAO</p>
12.00-13.30	Lunch
13.30-16.00	Host State Programme

ICAO Aviation Data and Analysis Seminar*

Day 3 – 10 July 2019	
09.00-09.30	Registration of Delegates
09.30-10.15	<p>Opening Ceremony</p> <ul style="list-style-type: none"> - Welcome address - Opening remarks - Group photo
10.15-10.45	Tea/Coffee Break
10.45-12.00	<p>The vital role of Air Connectivity</p> <ul style="list-style-type: none"> - Definition of air connectivity - Socio-economic benefits of air connectivity - How air connectivity drives trade, tourism and economic growth? - Aviation Satellite Account <p>Presented by ICAO, States and industry</p>
12.00-13.30	Lunch
13.30-14.30	<p>Use of Big Data, Artificial Intelligence, Machine Learning and visualization for Safety and Air Navigation</p> <p>Presented by ICAO, States and industry</p>
14.30-15.00	Tea/Coffee Break
15.00-15.30	Industry solution (open)
15.30-16.30	<p>Air Connectivity Metrics: How can they help decision-making?</p> <ul style="list-style-type: none"> - ITF Aviation Model of Airport Accessibility - Applying Air Connectivity Metrics to Help Decision-making - Connectivity impacts of expanding airport capacity: A case study of Heathrow's expansion - Connectivity impacts of increased airline cooperation: A case study of Incheon Airport <p>Presented by ITF-OECD</p>
16.30-17.00	Industry solution (open)

Day 4 – 11 July 2019	
09.00-10.00	<p>Economics of Airports Airports are complex businesses that operate in unique and evolving physical, financial and regulatory environments. This session will provide a data-driven summary of the main economic characteristics of the airport industry drawing on <i>ACI's battery of Airport Key Performance Indicators</i>. In addition to the latest trends in air transport demand across the world's airports, benchmarking, service quality indexes, aeronautical and non-aeronautical revenues will be explored. Other topics include the economic dynamics of airport throughput and economics of scale as well as an analysis of financial indicators that paint a picture of an airport's bottom line.</p> <p>Presented by ACI</p>
10.00-10.30	Tea/Coffee Break
10.30-11.30	<p>Economics of Airlines IATA will discuss the changing economics of travel and cargo markets, how market structures and distribution/product characteristics are influencing the economics of airline financial performance and competition issues, and how network connectivity delivers wider economic benefits.</p> <p>Presented by IATA</p>
11.30-12.00	Industry solution (open)
12.00-13.00	Lunch
13.00-14.00	<p>Data analytics Remotely Piloted Aircraft Systems (RPAS)</p> <ul style="list-style-type: none"> - Using RPAS data collection for the aviation industry - Capture growth with emerging technologies - Integration issues in the existing ATM system <p>Presented by ICAO</p>
14.00-15.00	<p>States' corner States of the region are invited to share their experience of using data and analysis for informed policy making to sustain the growth of air transport</p> <p><i>Presented by the ICAO Regional Office and States</i></p>
15.00-15.30	Tea/Coffee Break
15.30-16.30	<p>States' corner States of the region are invited to share their experiences of using data and analysis for informed policy making to sustain the growth of air transport</p> <p><i>Presented by the ICAO Regional Office and States</i></p>

Day 5 – 12 July 2019	
09.00-10.00	<p>Air Cargo Connectivity</p> <ul style="list-style-type: none"> - Understanding the trade flows – Commodity and Value (ICAO, UPU and UN) - Historical and forecasted flows of origin and destination cargo traffic - Belly cargo and dedicated cargo operators: their impacts on the current connectivity scenario and the road ahead - The cargo load factor relation to optimizing connectivity (Air Carrier, consolidators and forwarders) <p><i>Presented by ICAO, States and Industry</i></p>
10.00-10.30	Tea/Coffee Break
10.30-11.30	<p>Simplifying the business of air cargo</p> <ul style="list-style-type: none"> - The cargo transportation by air – ecosystem. The different players in the chain - Infrastructure access and facilitation – How they play a vital role in determining efficiency metrics of the airport - On-going work in improving access and facilitation, in simplifying the business <p><i>Presented by ICAO, States and Industry</i></p>
11.30-12.00	Industry solution (open)
12.00-13.30	Lunch
13.30-14.30	<p>E-commerce challenges and opportunities</p> <ul style="list-style-type: none"> - E-commerce – present and the future trends - Opportunities and risks in meeting the demand of e-commerce for air transport connectivity - Are the connectivity requirements of e-commerce different from that of traditional cargo? - Utilization of cargo space- Dichotomy between traditional cargo and e-commerce in the utilization of cargo space - New technologies, including block chain technologies <p><i>Presented by ICAO, States and Industry</i></p>
14.30-15.00	Tea/Coffee Break
15.00-15.30	Wrap-up and closing remarks

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