



Agenda

EUROCAE Symposium

58th General Assembly
28-30 April 2021



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DAY 1

Wednesday, 28 April

13:00-13:30 CET

Opening remarks: Plenary

- Henrik Hololei, Director-General for Mobility and Transport, European Commission
- Bruno Ayrat, EUROCAE President and Council Chair
- Christian Schleifer, Secretary General, EUROCAE

13:30-14:45 CET

Panel 1: Services - future of ATM infrastructure

Air Traffic Management is currently moving towards a service-oriented approach where there is not necessarily a direct link anymore with the organisation providing these services. Remote services, virtualisation of the environment and centralised provision of services are considered to be the future of ATM.

Provision of centralised flow management has already for many years been provided by EUROCONTROL and this will be the main responsibility for the Network Manager in the coming years. 2019 was a challenging year with the airspace capacity at its limit. In order to make sure that a similar situation won't happen in future, the Network Manager has launched a programme called integrated Network Management - iNM.

Establishing a virtual centre environment comes with multiple challenges related to technology, operations regulations and human resources - just to name a few. The second part of Panel 1 will look into these various aspects of the Virtual Centre with representatives from manufacturers, the Air Navigation Service Providers, EASA and the Air Traffic Controllers Association.

Moderator: *Peter Hotham, Deputy Executive Director, SJU*

Speakers:

- Raul Berrocal De La Calle, ITEC Chief Architect, Indra
- Philippe Bochet, ATC Product Line Director, Thales - Airspace Mobility Solutions
- Philippe Chauffoureaux, Deputy CIO, Skyguide
- Sil De Gang, iNM Programme Manager, EUROCONTROL
- Eugenio Diotallevi, Air Traffic Controller, IFATCA
- Manuel Rivas Vila, Manager ATM Oversight, EASA



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14:50-16:00 CET

Panel 2: Automation Artificial Intelligence

Automation based on Artificial Intelligence (AI) is playing a major role in the transformation of the aerospace industry. In this session on Automation AI, we are investigating what can AI do to facilitate the implementation of future innovative applications. This session will look into these technological developments and make the link between innovation, regulatory framework and standardisation needs.

Moderator: *Hassan Semde, Software & Airborne Electronic Hardware Expert, EASA*

Speakers:

- Ginette P. Bebeung, Executive Vice-President, Searidge
- Dr. Darren Cofer, Fellow, Collins Aerospace
- Wolfgang Hatzack, Chairperson & CEO, ATRICS (Frequentis)
- Ammar Mechouche, Data Processing & Data Science Expert, Airbus Helicopters
- Sylvie Sureda-Perez, Senior Director Datalink Solutions, Inmarsat

DAY 2

Thursday, 29 April

12:00-12:45 CET

Visionary Talks

Various forecasts predict that the aviation sector will triple its volume by 2050, whilst having to considerably reduce its environmental impact and emissions such as CO₂, NO_x and noise.

These are ambitious targets, and whilst the impact of the global pandemic still remains to be seen, the overall trend should remain the same: the aviation industry should grow, but in a sustainable and smart way.

Reconciling these – on first sight contradictory – trends will be a key issue in the next decades.

- What will be challenges of aviation in the future?
- What energy sources will be available to aviation, which aircraft and concepts will be efficient to serve the demand on passenger and cargo transport?



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- What impact will new technologies and new entrants have on aviation, and how can they be leveraged by the aviation community?

These questions will be discussed by our panel aviation visionaries.

Moderator: *Christian Schleifer, Secretary General, EUROCAE*

Speakers:

- Filip Cornelis, Director for Aviation, European Commission
- Stephen P. Creamer, Director Air Navigation Bureau, ICAO
- Rafael Schwartzman, Regional Vice President, Europe, IATA
- Luc Tytgat, Strategy & Safety Management Director, EASA

12:50-14:15 CET

Panel 3: Innovations, Environment and Sustainability

This panel discusses how the aeronautical industry can reduce its environmental impact by using new technology, infrastructure and operational improvements and market-based measures. In the past, ambitious goals were set to fight the climate crisis – Is it still possible to reach the targets and how do the needs of ordinary customers change in a challenging post-COVID environment?

Main topics to be addressed, but not limited to, are innovations, environmentally friendly aircraft, green flight, hydrogen, zero-emission aviation powertrain, noise and pollution around the airports and efficient routing and approaches.

Moderator: *Elisabeth van der Sman, Consultant Sustainable Aviation, NLR*

Speakers:

- Yannael Billard, Head of Environment-Energy Department, ADP
- Jean-Marc Flon, Director Air Operations Safety and Development, ADP
- Nicolas Jeuland, Future Fuels Expert, Safran
- Prasanna Kumar, Head of Software, ZeroAvia
- Jean Baptiste Manchette, Architect head of R&T activities for 0 emission aircraft, AIRBUS
- Stephane Marche, Engineer Fellow-Avionics, Honeywell
- Stephan Schliske, Chief Airworthiness Engineer, Rolls Royce



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DAY 3 Friday, 30 April

12:00-13:15 CET

Panel 4: Cross industry panel

How are other industry sectors addressing innovative and emerging technologies? How are certification and standardisation processes keeping up with the accelerating pace?

We would like to speak with experts from the medical and pharmaceutical industry, as well as the automotive and telecom industries how they are keeping up with the evolution and in some areas revolutionary technologies.

Moderator: *Christian Schleifer, Secretary General, EUROCAE*

Speakers:

- Mirko Jakovlievic, Product Portfolio Manager, Automotive TTtech
- Hugh Laverty, Head of Scientific Operations, Medical industry IMI
- Andreas Lassak, Senior Global Expert Sales Manager, Telecom industry TSystems International
- Wolfgang Schleifer, Data & Digital Delivery Lead, Pharma Novartis

13:20-14:40 CET

Panel 5: Role of standardisation for a sustainable recovery

The COVID crisis impacted every player in the aviation network in an unprecedented way. It modified the operational environment and determined aviation actors to try new tools and procedures to address these challenges and build resilience. The crisis showed that short term goals are not a solution and industry needs long term recovery planning. Sustainable recovery is on the agenda of each stakeholder and it is seen as an opportunity to engage and coordinate actions in this respect to promote overall sustainable mobility via an optimal regulatory, operational, and technical framework.

The panel will exchange on the role of standards in support of the recovery in terms of optimisation of capacity, noise, emissions, procedures and other aspects which will support to achieve aviation sustainability goals.



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Moderator: Terry McVenes, *President & CEO, RTCA*

Speakers:

- Marina Bylinsky, Head of Sustainability, ACI Europe
- Carlos Cirilo, Director ATM Infrastructure, SFO-Infrastructure, IATA
- Vincent De Vroey, Director of Aviation, ASD
- Frederic Deleau, Acting Executive Vice-president Europe, IFATCA
- Johnny Pring, Manager Europe Policy and Advocacy, CANSO

14:40-16:00 CET

Closing remarks and EUROCAE Awards

Virtual conference



SILVER-Sponsor:



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EUROCAE ATM STANDARDISATION ACTIVITIES
IN SUPPORT OF SINGLE EUROPEAN SKY HAVE RECEIVED
FUNDING FROM THE EUROPEAN UNION

