

## SESSIONS

DAY 1 - 28 April 2022

### Opening remarks: Plenary

#### Keynote speakers

- Bruno Ayral, EUROCAE President
- Anna von Groote, EUROCAE Director General
- Filip Cornelis, High level speaker from European Commission
- Thales (Gold-sponsor) - Olivier Seguin, ATM business development Director for EMEA area

### PANEL 1 | Air Taxis - concept or reality?

VTOL aircraft will revolutionise air mobility. This new technology is being developed at a pace rarely seen before in the aviation industry. With the advent of WG-112, EUROCAE is leading the VTOL standards development, together with almost 600 volunteer experts from diverse technical fields. This work supports the key solutions needed for the planned increase in air traffic in urban and regional areas. Recent flight testing around the world is showing signs that the big industry players are getting closer to revenue operations.

The question is, are we ready?

The panel members will debate this question from a regulatory, technical, infrastructure and societal point of view, together with a vision of how VTOL aircraft will change both modern aviation and the way we live.

#### Moderator:

- Lionel Wallace, International Certification Specialist

#### Speakers

- Volker Arnsmeier, Section Manager eVTOL & Light UAS - EASA
- Jörn Jaeger, Head of Airspace and Vertiports - Volocopter
- Marco Pellegrino, Head of Airside Operations and First Aid in Rome - Urban Blue

### PANEL 2 | How Are Aviation Stakeholders Preparing for (EU) 2021/664?

Drones are growing increasingly prevalent, and to perform efficient operations, the establishment of U-space is crucial. U-space is the need of the hour, as complex UAS operations require that a safe and efficient U-space be established.

In April 2021, European Commission adopted (EU) 2021/664 upon EASA's recommendation to lay down "rules and procedures for the safe operations of UAS in the U-space airspace, for the safe integration of UAS into the aviation system and for the provision of U-space services."

The panel will introduce the U-space concept, debate the possibility to integrate U-space and ATM, identify safety challenges around U-space services, and discuss how various players in aviation are addressing this rapidly evolving landscape.

**Moderator:**

- Maria Algar Ruiz, Drones Programme Manage – EASA

**Speakers**

- Raoul Fortner, Senior Advisor – FREQUENTIS
- Peter Hotham, Deputy Executive Director – SESAR 3 Joint Undertaking
- Santiago Lluçia is an UAS and New Technologies Engineer – FOCA
- Rafal Paprocki, UAV Operations and UTM Systems Senior Specialist – PANSA
- Olivier Rea, UTM/U-space Business Developer & Institutional Relations – Thales LAS

**PANEL 3 | UAS Technology**

Being one of the most dynamic sectors in aviation over the last couple of years, UAS has achieved a mature level of technology supported by extensive R&D and validation exercises. Currently UAS ranges from simpler applications used for leisure purposes to complex civil and military use in different operational environments.

These systems and their operations have to be integrated into civil airspace in a way that is safe for both existing manned aviation and for the UAS newcomers.

The panel will look into how technology evolved over the years, its fit to the regulatory risk-based, operation centric approach and what is next in term of UAS technology.

**Moderator:**

- Natale Di Rubbo, Drone Project Manager – EASA

**Speakers**

- Maurizio Bernard, Unmanned Systems Normative Intelligence – Leonardo
- Petr Cásek, Lead R&D Scientist – Honeywell
- Juan Ignacio Del Valle, Project Officer – EDA
- Matthias Vyshnevskyy, Senior Systems Consultant – ESG ELEKTRONIKSYSTEM- UND LOGISTIK

**DAY 2 – 29 April 2022****PANEL 4 | Ensuring Cyber Resilience: developments in this ever-changing domain**

Over the last few years, aviation has moved toward an increase of digitalisation. This increasing reliance on information systems and data raise the importance of information security. The future EU regulation, also known as Part-IS, is expected to provide soon the means to ensure the resilience of the European Aviation ecosystem against the information security menaces.

Now, the industry together with the aviation authorities need to get ready for the next phase: the implementation of this regulation.

This panel will introduce and discuss the means needed to be implemented in order to be deemed compliant with the regulation, the means to ensure a common level playing field and its oversight.

**Moderator:**

- Davide Martini, Senior Expert - Cybersecurity in Aviation – EASA

**Speakers**

- Alain Combes, Product Security Governance – Airbus SAS
- Manon Gaudet, Assistant Director Aviation Cyber Security, Operations, Safety and Security division – IATA
- Kristof Lamont, ATM & Cyber Security Senior Expert, Directorate European Civil Military Aviation – EUROCONTROL
- Christoph Schnyder, Cyber Security Coordinator/Program Lead – FOCA

**PANEL 5 | Sustainable Aviation Technologies**

In the recent years, many initiatives started to ensure sustainability in aviation. Common goal is to ensure a cleaner, quieter, and smarter future aviation. Alternative fuels and energy sources are currently being developed and tested extensively and will lead the way to the eagerly awaited change in aviation.

This panel will introduce and discuss ongoing projects for sustainable energy sources and propulsion systems.

The panellists will talk about expectations, challenges and the importance of industry standards to support certification and bringing these new technologies into the market.

**Moderator:**

- Vincent De Vroey, Director of Civil Aviation – ASD

**Speakers**

- Thorsten Astheimer, Senior Project Manager Global Investments & Management – FRAPORT AG
- Laurent Boisson, Head of External Affairs – Airbus

- Martin Nagelsmit, Head of the Sustainability and Environment department – Royal Netherlands Aerospace Centre
- Dr. Daniele Violato, Strategy and Programme officer – Clean Aviation Joint Undertaking

## PANEL 6 | Space – the new frontier

Aviation development is increasingly intertwined with space technology innovation as exploitation of the exosphere presents a new outlook. Space offers a wide range of possibilities enhancing aviation safety, such as high-altitude operation, GNSS and more.

But respecting this environment and using it safely amongst the other Airspace Users presents its challenges with, amongst others, concern over orbital debris and effort for space traffic management.

This panel will introduce and discuss space-based technologies, how aviation can benefit from them, as well as the challenges associated with preserving this environment.

### Moderator:

- Al Secen, Vice President for Aviation Technology and Standards – RTCA

### Speakers

- Christopher, Brain Programme Manager – EUROCONTROL
- José Luis Chinchilla García, ATM Space-Based CNS Director – Indra
- Rodolphe Munoz, Legal Officer – European Commission
- Davide Tomassini, Iris Principal Ground Segment Engineer – ESA

## Closing remarks

### Keynote Speakers

- Terry McVenes, RTCA President & CEO
- Bruno Ayrat, EUROCAE President
- Anna von Groote, EUROCAE Director General