

UAM BECOMING A REALITY

Amsterdam, 29-30 March 2022

Agenda

DAY 1, 29 March 2022

| TIME | TITLE, SPEAKER |
|---|--|
| 9:00 | CHECK-IN AND REGISTRATION OPENS |
| 9.30 - 11:00 | GRAND OPENING - AMSTERDAM DRONES WEEK (HALL 11) |
| 11:30 | OPEINING OF THE EASA HIGH-LEVEL CONFERENCE ON DRONES - MASTER OF CEREMONIES: JANET NORTHCOTE, EASA HEAD OF COMMUNICATIONS |
| 11:30 - 11:35 | Welcome, Opening remarks Patrick KY, Executive Director, EASA |
| 11:35 - 11:45 | Opening remarks by the European Commissioner for Transport Adina VĂLEAN, European Commissioner for Transport |
| DAY 1 FOCUS AREA – INNOVATIVE AIR MOBILITY | |
| 11:45 - 12:00 | EASA Highlights Patrick KY, Executive Director, EASA |
| 12:00 - 12:15 | Keynote Speech Henrik HOLOLEI, Director General for Mobility and Transport |
| 12:15 - 12:30 | Keynote Speech Florian REUTER, Chief Executive Officer, Volocopter |
| 12:30 - 13:30 | LUNCH BREAK (FOOD COURT HALL 11) |
| 14:00 - 15:00 | PANEL 1: UAM BECOMING A REALITY – How to address citizens’ concerns with respect to UAM? Moderator: Patrick KY, Executive Director at EASA |
| 15:00 – 15:30 | NETWORKING COFFEE BREAK (FORUM) |
| 15:30 – 16:30 | PANEL 2: UAM BECOMING A REALITY – Coordination between all actors Moderator: Elisabeth LANDRICHTER, Director General of Civil Aviation Austria |
| 16:30 – 17:30 | PANEL 3: UAM BECOMING A REALITY – How to make it happen? Moderator: Filip CORNELIS, Director of Aviation, Directorate General for Mobility and Transport in DG MOVE, European Commission |
| 17:30 | CLOSING REMARKS (FOLLOWED BY RECEPTION OFFERED BY ADW AND CANSO) Patrick KY, Executive Director, EASA |

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DAY 2, 30 March 2022

TIME TITLE, SPEAKER

| TIME | TITLE, SPEAKER |
|---|---|
| DAY 2 FOCUS AREA – MOVING TOWARDS IMPLEMENTING UAM OR URBAN AIR MOBILITY IN PRACTICE | |
| 09:00 – 10:30 | TECHNICAL WORKSHOP 1a: UAS OPERATION IN THE SPECIFIC CATEGORIES – application of the SORA for operation in urban environment Moderator: Natale DI RUBBO, Drones Project Manager at EASA (expert for the Open and Specific Category) |
| 09:00 – 10:30 | TECHNICAL WORKSHOP 1b: INTEGRATION OF VTOL IN THE AIRSPACE – ATM/SERA development Moderator: Maria ALGAR RUIZ, Drones Programme Manager at EASA |
| 10:30 – 11:00 | NETWORKING COFFEE BREAK (FORUM) |
| 11:15 – 12:45 | TECHNICAL WORKSHOP 2a: U-SPACE - APPLICATION FOR OPERATION IN URBAN ENVIRONMENT Moderator: Ken ENGELSTAD, Drones Project Manager at EASA (expert for U-space) |
| 11:15 – 12:45 | TECHNICAL WORKSHOP 2b: CERTIFICATION AND DESIGN VERIFICATION REPORT Moderator: David SOLAR, General Aviation and VTOL Head of Department at EASA |
| 13:00 – 13:45 | NETWORKING LUNCH BREAK (FOOD COURT HALL 11) |
| 14:00 – 15:10 | TECHNICAL WORKSHOP 3a: LICENSING- Training for eVTOL pilots Moderator: Daan DOUSI, Aircrew and Medical Standards & Implementation Section Manager at EASA |
| 14:00 – 15:10 | TECHNICAL WORKSHOP 3b: VERTIPOINTS Moderator: Giuseppe SCANNAPIECO, Drones Project Manager at EASA (Certified Category expert) |
| 15:15 – 16:30 | TECHNICAL WORKSHOP 4a: UAS OPERATION IN THE CERTIFIED CATEGORY: Air Operations Moderator: Sascha Oliver SCHOTT, Drones Section Manager at EASA |
| 15:15 – 16:30 | TECHNICAL WORKSHOP 4b: SESAR U-SPACE RESEARCH: DEMONSTRATING UAM Moderator: Robin GARRITY, Senior External Relations Officer, SESAR 3 Joint Undertaking |

Panel Information

DAY 1, 29 March 2022

TIME TITLE, SPEAKER

DAY 1 FOCUS AREA – INNOVATIVE AIR MOBILITY

14:00 - 15:00 PANEL 1: UAM BECOMING A REALITY – How to address citizens' concerns with respect to UAM?

Slido: #855146

Moderator: Patrick KY, Executive Director at EASA

Abstract: When a new operational concept that can impact and change citizens' lives such as Urban Air Mobility (UAM) is implemented, there is a need to listen to citizens' expectations and concerns so that the concerns can be addressed to the maximum extent possible, and their expectations be met or even exceeded. For this reason, EASA conducted an extensive study on societal acceptance of UAM operations. Based on thorough research, literature review, local market analysis, surveys and interviews, the study examined the attitudes, expectations, and concerns of citizens with respect to UAM and revealed interesting insights that will help EASA prepare the future regulatory framework. The [study](#) identified [10 key results](#) and EASA has launched a subsequent UAM Task Force composed of representatives from the NAA of some Member States, from industry, NGOs and other local and European Authorities. The aim is to assess and develop further concrete actions that could be taken by EASA to address those concerns. The purpose of the panel is to discuss the citizens' concerns and to share experiences on measures taken or that could be taken to address and enable safe, secure, sustainable and efficient UAM implementation.

Panellists:

| | | | |
|-----------|----------|--------------------------------------|-----------------------------|
| Bobby | HEALY | MANNA DRONE DELIVERY | CEO & Founder |
| Dominique | LAZARSKI | UECNA | President |
| Frederic | BRUDER | ADAC Luftrettung | CEO and Accountable Manager |
| Marc | HOUALLA | Aéroport de Paris, Charles de Gaulle | General Director |

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15:30 – 16:30

PANEL 2: UAM BECOMING A REALITY – Coordination between all actors Slido : #855146

Moderator: Elisabeth LANDRICHTER, Director General of Civil Aviation Austria

Abstract: The implementation of UAM requires all actors to work together in partnership and full coordination toward achieving the commonly agreed goals. The panel will discuss the identification of the key stakeholders and actors needed to support the UAM implementation. The discussion should identify who needs to take the lead in the implementation (who will assume the role of UAM coordinator), and how EC, EASA and NAAs, cities, ANSP/USSPs, airports/vertiports and UAM operators can work together. The panel will also discuss the need to have more practical guidance on UAM to support its harmonised implementation.

Panellists:

| | | | |
|---------|-----------------|---------------|--|
| Luc | TYTGAT | EASA | Safety and Strategy Management Director |
| Gonzalo | VELASCO ZABALBA | Ferrovial | Director airports Business Plan and Innovation |
| Laurent | SISSMANN | Leonardo | Vice President for UAS |
| Moritz | MORODER | Flying Basket | Chief Executive Officer |
| Eamonn | BRENNAN | Eurocontrol | Director General |

16:30 – 17:30

PANEL 3: UAM BECOMING A REALITY – *How to make it happen?* Slido: #855146

Moderator: Filip CORNELIS, Director for Aviation, DG MOVE, European Commission

Abstract: Once citizens' expectations and concerns have been understood, all the necessary stakeholders have been identified and UAM coordinators have been established for UAM implementation, all actors need to work out the necessary building blocks to make this happen. This panel will discuss whether we have all the necessary regulations, policies, guidance in all areas to support the early implementation of UAM. Topics such as the status of VTOL vehicles and operator's certification, vertiports development and airspace management of the UAM corridors will be discussed.

This panel will review UAM implementations around the world with the view to understand whether the challenges and solutions are shared and how we can all work together to achieve safe, secure, sustainable and efficient UAM.

Panellists:

| | | | |
|----------|-----------|---------------|--|
| Rachel | DAESCHLER | EASA | Certification Director |
| Kah | HAN TAN | Singapore CAA | Senior Director -UAS System Group |
| Jan-Eric | PUTZE | Droniq | Chief Executive Officer |
| Jay | MERKLE | FAA | Executive Director, UAS integration Office |
| Peter | BUNCE | GAMA | President & CEO |

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DAY 2, 30 March 2022
TIME TITLE, SPEAKER
DAY 2 FOCUS AREA – MOVING TOWARDS IMPLEMENTING UAM OR URBAN AIR MOBILITY IN PRACTICE

09:00 – 10:30 **TECHNICAL WORKSHOP 1a: UAS OPERATION IN THE SPECIFIC CATEGORIES – application of the SORA for operation in urban environment - Slido: #472991**
 Moderator: Natale DI RUBBO, Drones Project Manager at EASA (expert for the Open and Specific Category)

Abstract: Initial urban air mobility operations will be conducted in the ‘specific’ category, with simpler operations and reduced risk. Gaining experience will allow to expand the type and scope of operations in the ‘specific’ category. But how may such operations be authorised?

Panellists:

| | | | |
|----------|--------------------|-----------------|---|
| Leonardo | CAPACCI | EASA | UAS Operations expert |
| Jeremie | NEVEUX | EASA | Continuing Airworthiness Senior expert |
| Geert | VANHANDEND HOVE | Helicus | Manager Flight Operations |
| Abinaya | KANNAN | EUROCAE - EUSCG | EUROCAE technical program manager and EUSCG Secretariat |

09:00 – 10:30 **TECHNICAL WORKSHOP 1b: INTEGRATION OF VTOL IN THE AIRSPACE – ATM/SERA development Slido #026497**
 Moderator: Maria ALGAR RUIZ, Drones Programme Manager at EASA

Abstract: The early implementations of UAM are expected to be with manned/piloted VTOLs. As these will be manned VTOLs it is expected that the pilot in command will fly in accordance with SERA. This panel will discuss potential operational concept for VTOL operations in UAM, including operations at vertiports located inside U-space airspace.

Panellists:

| | | | |
|---------|----------|-------------|--|
| Thomas | OSTER | EASA | Project Manager UAS |
| Olivier | MROWICKI | EUROCONTROL | Programme Manager ASM/ATS/ATFCM Procedures |
| Jörn | JAEGER | VOLOCOPTER | Head of Airspace and Vertiports |
| Uwe | NORTMANN | UAV-DACH | Director of UAV-DACH Services |
| Nicolas | EERTMANS | DG MOVE | Policy Officer UAS |

10:30 – 11:00 NETWORKING COFFEE BREAK (FORUM)

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11:15 – 12:45 TECHNICAL WORKSHOP 2a: U-SPACE - APPLICATION FOR OPERATION IN URBAN ENVIRONMENT
Slido : #594021

Moderator: Ken ENGELSTAD, Drones Project Manager at EASA (expert for U-space)

Abstract: The U-space Regulations will be applicable as from January 26, 2023. EASA published in December 2021 the proposal for AMC/GM to support the implementation of U-space Regulations. This panel will focus its discussion on the maturity of technical solutions and availability of standards to support the implementation of the 4 mandatory U-space services and 2 optional ones. In addition, the panel will address the USS/CIS certification approach.

Panellists:

| | | | |
|---------|------------|-------------|--|
| Maria | ALGAR RUIZ | EASA | Drones Programme Manager |
| Ralph | SCHEPP | Droniq | COO |
| Larissa | HAAS | FOCA | Policy Coordinator Strategy and Innovation Section |
| Koen | MEULEMAN | Unify | Co-Founder -Regulatory Affairs |
| Andrew | HATELY | EUROCONTROL | UTM Concept Expert |

11:15 – 12:45 TECHNICAL WORKSHOP 2b: CERTIFICATION AND DESIGN VERIFICATION REPORT Slido : #437065

Moderator: David SOLAR, General Aviation and VTOL Head of Department at EASA

Abstract: This session will address the process of design verification and certification for UAS operated in the specific category, focusing in particular on the scope of design verification projects, on the steps required to achieve project completion and obtain the final report)

Panellists:

| | | | |
|---------|----------------|---------------|--|
| Volker | ARNSMEIER | EASA | Section Manager - eVTOL & Light UAS |
| Antonio | MARCHETTO | EASA | UAS Policy Project Manager / Regulations Officer IAW |
| Simone | MENICUCCI | DRONUS S.P.A | Airworthiness Manager |
| Marta | CEJUELA MARTIN | Flying Basket | Safety Manager & HO Airworthiness Flying Basket |
| Ronald | LIEBSCH | VOLOCOPTER | Senior Expert Aviation Regulation |

13:00 – 13:45 NETWORKING LUNCH BREAK (FORUM)

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14:00 – 15:10 TECHNICAL WORKSHOP 3a: LICENSING- Training for eVTOL pilots **Slido: #729730**
 Moderator: Daan DOUSI, Aircrew and Medical Standards & Implementation Section Manager at EASA

Abstract: A key enabler for operations of UAS and crewed eVTOLs will be the licensing rules made to suit these new aviation entrants, including manned and unmanned operations. A multi-disciplinary Working Group assisted EASA in developing a new Annex to Regulation (EU) 1178/2011 on Aircrew and Medical. This panel explores and discusses the most challenging aspects.

Panellists:

| | | | |
|-----------|----------------|------------------------------|---|
| Christian | KUCHER | EASA | Senior Expert- Flight Crew Licensing Expert |
| Olivier | REINHARDT | Volocopter | Chief Risk and Certification Officer |
| Regine | VADROT | Lilium | Senior Advisor to Lilium |
| Rob | AKRON-PUNSELIE | European Cockpit Association | Head of Training Representative of the ECA (Unmanned Aircraft Regulations) Vice-Chairman UAS+ |
| Frantz | CHOUT | DGAC/ DSAC FR | Head of aeronautical safety rulemaking Unit |

14:00 – 15:10 TECHNICAL WORKSHOP 3b: VERTIPOINTS - **Slido: #718893**
 Moderator: Giuseppe SCANNAPIECO, Drones Project Manager at EASA (Certified Category expert)

Abstract: One of the expected benefits of the Urban Air Mobility is the reduction of traffic in cities by enlarging the range of possibilities in a multi-modal transportation system. Vertiports constitute one of the fundamental elements of the overall UAM ecosystem and play a critical role for the successful implementation of the new concept of transportation by air in cities. Their integration in existing aerodrome infrastructures or in the city landscape requires a thorough analysis of requirements to grant the safety of the passengers and of the citizens on ground. This panel explores the approach taken by EASA for the development of the early design requirements for vertiports and presents the expected challenges of the National Aviation Authorities for the implementation of the future regulations and the anticipated benefits for the industry due to the availability of such guidelines.

Panellists:

| | | | |
|---------|-----------------|-----------|--|
| Predrag | SEKULIC | EASA | Aerodromes and vertiports Expert |
| Arturo | MADRIGAL YBARRO | SENASA | Head of Technical Assistance for AESA and DGAC Spain |
| Simon | WHALLEY | SKYPORTS | Chief Regulatory Officer |
| Gonzalo | VELASCO ZABALBA | FERROVIAL | Director Airports Business Plan and Innovation |
| Saskia | HORSCH | LILIUM | Head of Global Launch |

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15:15 – 16:30 **TECHNICAL WORKSHOP 4a: UAS OPERATION IN THE CERTIFIED CATEGORY: Air Operations**
Slido: #894527

Moderator: Sascha Oliver SCHOTT, Drones Section Manager at EASA

Abstract: A key enabler for operations of UAS and crewed eVTOLs will be ops rules made to suit these new aviation entrants, including for operations in urban environments. A multi-disciplinary Working Group assisted EASA in developing a new Annex IX 'Innovative Air Mobility' [Part-IAM] to Regulation (EU) 965/2012 on air operations. This panel explores and discusses the most difficult nuts that had to be cracked.

Panellists:

| | | | |
|-----------|----------------|------------------------------|---|
| Irina | PETROVA | EASA | Air Operations Expert |
| Thierry | VANDENDORPE | AIRBUS HELICOPTERS | Rulemaking & Regulation expert |
| Rob | AKRON-PUNSELIE | European Cockpit Association | Vice Chairman Workgroup UAS |
| Giancarlo | BUONO | IATA | Regional Director Safety & Flight Operations Europe |

15:00 – 16:30 **TECHNICAL WORKSHOP 4b: SESAR U-SPACE RESEARCH: DEMONSTRATING UAM - Slido: #143265**

Moderator: Robin Garrity, Senior External Relations Officer, SESAR 3 Joint Undertaking

Abstract:

The SESAR 3 Joint Undertaking (SESAR 3 JU) is managing a portfolio of very large-scale demonstration projects aiming to pave the way for U-space and UAM in Europe. This session will feature a panel discussion with representatives from the following research projects:

- CORUS-XUAM - concept of operations for European u-space services - extension for urban air mobility
- GOF2.0 - Integrated Urban Airspace VLD
- SAFIR-MED - Air Mobility Urban - Large Experimental Demonstrations
- U-space4UAM – U-space for UAM

Panellists:

| | | | |
|--------|------------|---------------|-----------------------|
| Andrew | HATELY | EUROCONTROL | UTM Concept Expert |
| Jonas | STJERNBERG | Robots Expert | Senior Vice President |
| Mikael | SHAMIM | Helicus | CEO |
| Petr | CASEK | Honeywell | Lead R7D Engineer |