

Uncrewed Services Advisory Network – Meeting 4

Meeting Summary

Discussion

Members discussed:

- USAN welcomed three new members: David Lamb - AMSL Aero, Will Whitelaw – CASA, and Benedict Lyons - Department of Infrastructure, Transport, Regional Development, Communications and the Arts.
- Views of what constitutes Uncrewed Aircraft Systems Traffic Management (UTM) in Australia. Group conducted an exercise to facilitate discussion on Australia's UTM ecosystem. Highlights included:
 - o UTM as an enabler that will provide situational awareness and enable a safe way to integrate emerging technologies with traditional aviation, unlocking benefits for all airspace users.
 - o the definition of UTM changes dramatically depending where on the implementation timeline. UTM is simplistic at commencement, gradually becoming complex and more interconnected, especially when integrating UAS and conventional aircraft.
 - o UTM can be considered as a jigsaw puzzle. There is a need to collaborate on a shared vision and work together on the jigsaw puzzle pieces. The group acknowledged it is important not to lose sight of the bigger picture and the need to collaborate to ensure the pieces fit together and that we have a shared vision.
- 'Myth busting' the Flight Information Management System (FIMS) to correct misunderstandings in relation to FIMS. Key highlights included:
 - o FIMS is only one component of the UTM ecosystem – the underpinning element enabling digital, automated, and scalable service delivery.
 - o FIMS will support an open UAS Service Supplier (USS) market.
 - o The need to mature capabilities to ensure that they are fit for purpose for the evolving needs of the Australian aviation industry.
- Members requested Airservices provide information on the longer-term goal of FIMS.
- Members requested information about FIMS capabilities. Airservices explained that it continued to work across government to resolve these, with a view to discuss once resolved.
- Frequentis Australasia was introduced as Airservices' strategic partner for the delivery of FIMS.
 - o Frequentis has successfully rolled out UTM capabilities internationally and have been operating in Australia for 20 years.
 - o Frequentis support UTM ecosystems in Norway, Estonia, Lithuania and Austria.
- The Chair advised that Frequentis representatives will participate in future USAN meetings.

- Additional promotional activities undertaken to help increase exposure for the expressions of interest (EOI) process for the USAN working groups. USAN members were thanked for helping raising awareness of the EOI process.
- The Automated Airspace Authorisations Working Group (AAAWG) terms of reference and membership have been finalised, with invitations to be sent to AAWG members this month.
- Greg Tyrell, Executive Director of the Australian Association for Uncrewed Systems (AAUS), provided an overview of two AAUS documents (circulated to members prior to the meeting):
 - o [AAM Industry Vision and Roadmap](#)
 - o [Industry Survey on an Australian UTM](#)
- Airservices recommended that an upcoming USAN meeting be conducted face to face to help facilitate the work of the USAN. Members recommended scheduling the USAN meeting coincident with an industry event such as the AAUS AAM Summit, given many USAN members would likely already be attending the industry event.
- The Chairs facilitated an open discussion with members. Discussion elements included:
 - o Ensuring the policy and the regulatory safeguards around what we are doing, from an implementation perspective through the USAN, remain coordinated and aligned
 - o Airservices intent to match its services to the needs of industry
 - o Public acceptance issues, including noise
 - o Risk of misalignment where technology is moving at a rapid pace, and resources are constrained
 - o Addressable market, price, and cost recovery considerations in the ecosystem
 - o Integration with traditional airspace operations and users
 - o Airspace risks below 5,000 feet, including between beyond visual line of sight UAS and crewed aircraft, particularly in Class G airspace, and the need for electronic conspicuity.

Questions

Members are keen to know/understand:

- Members noted that CASA's RPAS and AAM strategic roadmap review is now open. Is it appropriate for the USAN to provide a collective response?

Open Actions

ID	Action	Owner
01_01	Members to map industry connections/representation on relevant global bodies and forums, send information to USAN@airservicesaustralia.com	All USAN members
03_02	Airservices to draft a terms of reference for the data working group	Airservices
03_03	Airservices to come up with a macro view for data and provide to USAN out of session	Airservices
03_05	Airservices to develop what FIMS will look like in the future and present to the USAN group once complete	Airservices
03_10	Co-chair to write industry feedback into a structured document for discussion	Co-Chair
04_01	Secretariat to conduct research into potential dates and venue for the in-person USAN meeting	Secretariat

Attendance

Name	Company	Attendance
Luke Gumley (chair)	Airservices Australia	Yes
Reece Clothier (co-chair)	Boeing / Australian Association for Uncrewed Systems (AAUS)	Yes
Sharon Marshall-Keeffe	Airservices Australia	Yes
Bridget Kehoe	Airservices Australia	Apology
Min Hwang	Airservices Australia	Yes
Courtney Meares-Whitty	Airservices Australia	Yes
Joseph Houchin	Airservices Australia	Yes
Josh McGregor	Airservices Australia	Yes
Katie Wilkinson	Airservices Australia (Frequentis)	Yes
Mark Robinson	Airservices Australia (Frequentis)	Yes
Adam Welsh	DJI	Apology
Benedict Lyons	Department of Infrastructure, Transport, Regional Development, Communications and the Arts	Yes
Brendan Williams	Boeing	Yes
Daniel Mackey	Wing Aviation	Yes
Daniel Smith	Qantas	Yes
Dario Valenza	Carbonix	Yes
David Rylance	Fire Rescue Victoria	Yes
David Cole	FlyFreely	Yes
David Lamb	AMSL Aero	Yes
Greg Tyrrell	Australian Association for Uncrewed Systems (AAUS)	Yes
Jackie Dujmovic	Hover UAV	Yes
Jill Bailey	Recreational Aviation Australia	Yes
Jonathan King	AVCRM	Apology

Name	Company	Attendance
Julian Fraser	Australian Helicopter Industry Association	Yes
Nathan Lewis	Department of Defence	Yes
Paul Hardy	Surf Life Saving Pty Ltd	Yes
Philip Swinsburg Proxy: Dan Parsons	Wisk	Apology Yes
Rob Weaver	Eve Air Mobility	Yes
Scott Hamey	SkyLink UAS Pty Ltd	Yes
Scott Mitchell	Virgin Australia	Yes
Tim Boyle	Brisbane Airport Corporation	Yes
Will Whitelaw	Civil Aviation Safety Authority	Yes