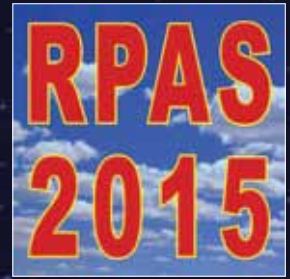




Remotely Piloted Aircraft Systems

17th European RPAS Conference &
RPAS Regulatory & Policy Form

Royal Military Academy (RMA)
8 Hobbemastraat, BE-1000 Brussels, Belgium



CONFERENCE PROGRAMME

DAY 1 - MONDAY 22 JUNE 2015

Session 1 Belgium: The Current Situation RPAS Community Views

- 00 13.30-13.40 Opening
01 13.40-14.10 **Current Regulatory Status**
Erika Billen, Federal Public Service
Mobility & Transport-CAA, Belgium
02 14.10-14.30 **Flight Schools**
Elwin van Herck, Noordzee Drones, Belgium
Renaud Fraiture, Espace Drone, Belgium
03 14.30-14.45 **Regional Authority**
Peter Dedrij, Municipality of Sint
Truiden, Belgium
15.45-15.00 **Questions & Answers**
15.00-15.45 **Coffee Break**

Session 2 Belgium: The Current Situation RPAS Community Views

- 04 15.45-16.00 **National RPAS Association**
Jürgen Verstaen, BeUAS, Belgium
05 16.00-16.15 **Research Organization**
Koen Vermeulen, VITO, Belgium
06 16.15-16.30 **RPAS Manufacturer**
André Jadot, Trimble, Belgium
07 16.30-16.45 **Sub-system Manufacturer**
Jan Leyssens, Septentrio, Belgium
08 16.45-17.00 **RPAS: Where are we going?**
Peter van Blyenburgh, UVS International
17.00-17.15 **Questions & Answers**
17.30-19.00 **Drinks in RMA bar**

DAY 2 - TUESDAY 23 JUNE 2015

Session 3 RPAS & Integration

- 09 09.00-09.20 **Expanding the capabilities of RPAS**
RAdm (rtd) Chris Ames, General Atomics
Aeronautical Systems, USA
10 09.20-09.40 **Leading a terrorist attack with an RPAS
swarm: Nightmare or reality?**
John Pyrgies, RMA, Belgium
11 09.40-10.00 **RPAS ATM Integration Demonstration
(RAID) – Real-time simulation results &
Flight test planning**
Jason Gauci, University of Malta, Malta
10.00-10.15 **Questions & Answers**
10.15-10.45 **Coffee Break**

Session 4 Insurance & Integration

- 12 10.45-11.05 **Insurance of automatic or semi-
automatic RPAS: Is it really a challenge?**
Jean Fournier, Global Aerospace, France
13 11.05-11.25 **A Prototype Regulatory Platform for
Safe RPAS Operation**
Tim McCarthy, Maynooth University &
Verifly Ltd, Ireland
14 11.25-11.45 **EuropaDrone 2016: European event
for the global professional RPAS**

community & Supply chain

Peter van Blyenburgh, UVS International

- 11.45-12.00
12.00-13.30

Questions & Answers
Lunch in the RMA cafeteria

Session 5 Applications & Integration

- 15 13.30-13.50 **First ICAO/UNOOSA AeroSpace Sym-
posium 2015 & High Altitude RPAS;
New extensions of Air & Space**
Taro Kuusiholma, Finnish Transport
Safety Agency, Finland
16 13.50-14.10 **The present & future of drones in
agriculture in Europe**
Florent Mainfroy, AIRINOV, France
17 14.10-14.30 **The solution for the safe integration of
VLL RPAS into the aviation network**
Andres van Swalm, FlightPlus, Belgium
18 14.30-14.50 **Video exploitation system for RPAS**
Tobias Schuchert, Fraunhofer Institute
of Optronics, System Technologies &
Image Exploitation IOSB, Germany
14.50-15.10 **Questions & Answers**
15.10-16.00 **Coffee Break**

Session 6 Integration, Standards, Education

- 19 16.00-16.20 **Operations centric approach from
drones to space**
Filippo Tomasello, EuroUSC-Italia, Italy
20 16.20-16.40 **Status Update: ASTM UAS Standards**
Ted Wierzbanski, ASTM, USA
21 16.40-17.00 **Education: A key for safety**
Olivier Fontaine, SAPRITALIA, Italy
17.00-17.20 **Questions & Answers**
17.30-19.00 **Drinks in RMA bar**

DAY 3 - WEDNESDAY 24 JUNE 2015

Session 7 EC - DG MOVE & DG GROWTH

- 22 09.00-09.30 **European Commission (EC) View**
Koen de Vos, EC DG MOVE, EU
Subject European RPAS Regulation: What lies
ahead & How & when will it influence
national regulation in the EU. RPAS
Roadmap Coordination Group & its
purpose. RPAS Market study.
23 09.30-09.40 **European Commission (EC) View**
Jean-Pierre-Lentz, EC DG Growth, EU
Subject Societal aspects that will influence
upcoming EU RPAS regulation.
Product safety. The importance of
RPAS community education and the
accessibility of information.
09.40-10.15 **4 Person Panel** discusses the present-
ations in interaction with the speakers
& audience, and requests clarifications.
Active audience participation encouraged.
10.15-10.45 **Coffee Break**

Session 8 EASA	
24 10.45-11.15	The Regulator's View Yves Morier, EASA - European Aviation Safety Agency, EU
Subject	EASA's Concept of Operation of Drones. Purpose of the upcoming consultation, the way forward & timing. Interaction with JARUS and national authorities. What are the priorities. What interaction with what standards organisations. Safety risk analysis & risk mitigation.
11.15-12.00	4 Person Panel discusses presentations in interaction with the speakers & audience, and requests clarifications. Active audience participation encouraged.
Topics	How & when the EASA "Concept of Operations of Drones" will influence the national RPAS regulations currently in place, or upcoming, in the EU. Remote Pilot Licensing, Training & Qualification. RPAS Operator Qualification. RPAS Manufacturer Organisation Approval (design, production & continued airworthiness). RPAS Ops in Urban Areas (<500 ft AGL – VLOS). RPAS Ops outside of urban areas (<500 ft AGL – BLOS).
12.00-13.30	Lunch in the RMA cafeteria
Session 9 JARUS & Standards	
25 13.30-14.00	The JARUS View Eric Sivel, JARUS - Joint Authorities for Rulemaking on Unmanned Systems, International
Subject	JARUS' new Terms of Reference; objectives, governance, accomplished + ongoing work & work plan, and the envisaged collaboration with industry.
14.00-14.30	4 Person Panel discusses presentations in interaction with the speakers & audience, and requests clarifications. Active audience participation encouraged.
Topics	How & when will JARUS recommendations impact national rules & regulations? JARUS' interaction with standards organisations involved with RPAS (<150 kg & >150 kg) (ASTM, EUROCAE, ISO, RTCA, SAE) & the necessary coordination (to avoid duplication of effort). Coordination with FAA. What are the priorities? Can industry request recommendations?
26 14.30-15.00	Panel 1 - How to align the standards organizations & avoid duplication
Topics	What is being done & what has been done & by what organization? Are these standards actually recognised & used & by whom? Coordination & harmonisation responsibility. Should EASA and/or JARUS supply recommendations on what standards should be produced? Discussion by panelists in interaction with the audience.
15.00-15.45	Coffee Break
Session 10 RPAS Requirement	
27 15.45-16.15	RPAS For Maritime Surveillance Olaf Trieschmann, EMSA - European

Subject	Maritime Safety Agency, EU Applications, Requirement, Modes of Operation. The urgency for having a European regulation in place.
16.15-16.30	Panel discusses present-ations in interaction with the speakers & audience, and requests clarifications. Active audience participation encouraged.
Topics	Applicable regulation; operator qualification requirements.
Session 11 RP Licensing & Flight Schools, Operator Qualification	
28 16.30-17.00	Panel 2 - Remote Pilot (RP) Licensing, Training, Qualification & Flight School Curriculae
Topics	National, European & international recognition of certificates. Coordination & harmonisation responsibility. Should JARUS supply recommendations? Discussion by panelists in interaction with the audience.
29 17.00-17.30	Panel 3 - Operator Qualification
Topics	National, European & international recognition of operator certificates. Coordination, harmonisation & responsibility. Liability & insurance. Should JARUS supply recommendations? Discussion by panelists in interaction with the audience.
17.30-19.00	Drinks in RMA bar
DAY 4 - THURSDAY 25 JUNE 2015	
Session 12 R&D, Operational Safety & Risks	
30 09.00-09.30	Panel 4 - Urgently required R&D
Topics	Detect & Avoid for RPAS <25 kg & 25-150 kg. Secure command & control links. Other? Coordination of RPAS R&D in EU. Discussion by panelists in interaction with the audience.
31 09.30-10.00	Panel 5 - Operational Safety for RPAS < 25 kg
Topics	Reliability criteria of autopilots, flight control systems, geo-fencing systems. Electronic tagging (operator registration). Is it JARUS' role to supply recommendations? Involvement by standards orgs. Discussion by panelists in interaction with the audience.
10.00-10.45	Coffee Break
Session 13 Operational Risks & Analysis	
32 10.45-11.15	Panel 6 - Operational Risks in Urban Areas
Topics	What are they & how to analyse them? In context of upcoming EASA consultation. Discussion by panelists in interaction with the audience.
33 11.15-11.45	Panel 7 - Operational Risks in Non-Urban Areas
Topics	What are they & how to analyse them? In context of upcoming EASA consultation. Discussion by panelists in interaction with the audience.
11.45-12.00	Concluding Remarks