



20th ANNUAL EDITION

REMOTELY PILOTED AIRCRAFT SYSTEMS



EUROPEAN POLICY, REGULATORY & INNOVATION FORUM

Federal Ministry of Transport &
Digital Infrastructure

Bonn, Germany - 3 & 4 July 2018

ORGANIZED BY



IN COORDINATION
WITH



IN CONTEXT OF
UVS INTERNATIONAL'S





Remotely Piloted Aircraft Systems



GENERAL INFORMATION

DATE 3 & 4 July 2018
LOCATION Bonn, Germany
VENUE Federal Ministry of Transport & Digital Infrastructure
Robert-Schuman-Platz 1, DE-53175 Bonn, Germany

TYPE OF EVENT

Non-classified international technical conference dedicated to civil professional remotely piloted aircraft systems.

CONFERENCE OBJECTIVES

- Promote coordination & cooperation between the civil drone councils (CDCs)
- Create the basis for a multi-country approach relative to drone-related matters that are decided on national level

PANEL DISCUSSION OBJECTIVES

- Identify subjects of common interest that are to be urgently dealt with by industry (on a national, European & international level).
- Identify possible synergies
- Identify the urgencies in the field of standards (open & specific operational categories) & explore who has accomplished what
- Prioritize the urgencies in the fields of standards (open & specific operational categories)
- Identify the urgencies in the field of standard scenarios & explore who has accomplished what
- Prioritize the urgencies in the field of standard scenarios
- Define, where possible, coordinated ways forward and the applicable work methods
- Prepare coordinated proposals to speed up the production of standards (open & specific categories) & standard scenarios

REGISTRATION

Registrations can be made by completing the RPAS 2018 Conference Registration form and faxing or emailing it to UVS International, or by completing the online registration form.

NOTE: On-site registration at the venue will NOT be possible.

REGISTRATION & PAYMENT DEADLINE

12.00 noon (Bonn time) on 29 June 2018

CONFERENCE ADMITTANCE

Qualified delegates from all acceptable (UN & EU guidelines) countries can register. Admittance to the conference is only possible for registered delegates whose conference fee payment has been received (if a conference fee is applicable).

CONFERENCE TIMING

Tuesday 3 July 2018
08.00 - 09.00 Registration
09.00 - 10.45 **Session 1**
10.45 - 11.15 ◆ Refreshment & Networking Break
11.15 - 12.45 **Session 2**
13.00 - 14.00 ◆ Lunch & Networking

14.00 - 15.30 **Session 3**
15.30 - 16.00 ◆ Refreshment & Networking Break
16.00 - 17.30 **Session 4**

Wednesday 4 July 2018

09.00 - 10.30 **Session 5**
10.30 - 11.00 ◆ Refreshment & Networking Break
11.00 - 12.40 **Session 6**
13.00 - 14.00 ◆ Lunch & Networking
14.00 - 15.00 **Session 7**
15.00 - 15.10 ◆ Conference Wrap-up & Closing

SUGGESTED PARTICIPANTS

Drone Manufacturers; Drone Operators; Drone Pilots; Flight Schools; Test Ranges & Training facilities; Regulatory authorities; National drone associations; Research organisations & Universities; Communication service providers; Air Navigation Service Providers; Standards organisations; Aviation stakeholder organisations.

PROCEEDINGS & WHITE PAPERS

The conference proceedings will be in English. A portal featuring the conference proceedings (except the videos) & white papers, will be accessible to all the registered delegates within 10 days after the conference. Access to this portal is included in the delegate registration fee.

ACCESS TO PROCEEDINGS (NON-DELEGATES)

Access to the aforementioned portal can also be ordered by non-delegates. The conference registration form or the online order form can be used for this purpose.

FOOD & DRINK

Each morning & afternoon will have a refreshment break (included in the conference fee). Lunch (not included in the conference fee) will be taken in the venue's cafeteria.

SPONSORSHIP OPPORTUNITIES

There are various sponsorship opportunities. For pricing information contact Peter van Blyenburgh at Blyenburgh & Co.

TRAVEL TO VENUE

Airport Köln/Bonn / R-Schuman-Platz by taxi 30 min.
Metro Bonn Central Train Station / R-Schuman-Platz 10 min.

HOTEL ACCOMMODATION

Hotel accommodation is not included in the conference fee and is the responsibility of each conference delegate. The hotel nearest to the venue (short walking distance) is: Maritim Hotel Bonn - www.maritim.com

FOR ADDITIONAL INFORMATION

Peter van Blyenburgh - Blyenburgh & Co
86 rue Michel Ange, FR-75016 Paris, France
Tel.: 33-1-46.51.88.65 & 33-1-40.71.83.43
Fax: 33-1-46.51.05.22 & 33-1-40.71.83.44
pvb@rps-info.com



Remotely Piloted Aircraft Systems



3 & 4 July 2018 - Bonn, Germany

CONFERENCE PROGRAMME

Day 1 Tuesday - 3 July 2018

- 09.00-09.05 *Opening Comments*
Peter van Blyenburgh
UVS International, France
- 1 09.05-09.15 **Welcome**
Raimund Kamp
Federal Ministry of Transport & Digital Infrastructure, Germany
- 2 09.15-09.40 **SORA-DE**
Daniel Phiesel
Federal Ministry of Transport & Digital Infrastructure, Germany
- 3 09.40-10.05 **Geo-Limitation for 150kg UMAT R-350**
Tobias Paul
ESG Elektroniksystem- und Logistik, Germany
- 4 10.05-10.30 **Commercial BVLOS Operations, Where No One Has Gone Before!**
Michael Anger
Unisphere, Germany
- 10.30-10.45 *Questions & Answers*
10.45-11.15 *Coffee Break*
- 5 11.15-11.40 **“The Hidden Dragon”: Challenges and Opportunities of a High Quality European Digital Geodata Infrastructure for Safe Professional UAS Operations**
Gernot Paulus
Carinthia University of Applied Sciences, Austria
- 6 11.40-12.05 **Data Collection for RPAS Safety Assurance**
Lennaert Speijker
Netherlands Aerospace Centre, The Netherlands
- 7 12.05-12.30 **French Civil Drone Council Projects: From Long Range Surveillance to Delivery and Urban Air Mobility**
Christian Cantaloube
Thales, France
- 12.30-12.45 *Questions & Answers*
13.00-14.00 *Lunch*
- 8 14.00-14.25 **Creating an Inter-National Ecosystem for Drone Community Development**
Rob van Nieuwland, Rudy Müller, Robert Jonker
DARPAS (on behalf of the ICAReS Interreg project), The Netherlands
- 9 14.25-14.50 **Progress Made by Spain’s Operation, Regulation & Use Working Group**
Anastasio Sánchez
FADA-CATEC, Spain
- 14.50-15.00 *Questions & Answers*
- 10 15.00-15.30 **Panel Discussion: Test Ranges & Pilot Licences - How should Europe advance?**
- 15.30-16.00 *Coffee Break*

- 11 16.00-16.25 **AED Drones, The Long and Winding Road(map)**
Jaap Hatendoer
University Medical Center Groningen, The Netherlands
- 12 16.25-16.50 **DREAMS Project - U-Space is Coming**
Costantino Senatore
EuroUSC Italia, Italy
- 13 16.50-17.15 **U-Space: Current Status & Views on the Future**
Koen Meuleman
UniFly, Belgium
- 17.15-17.30 *Questions & Answers*

Day 2 Wednesday - 4 July 2018

- 14 09.00-09.25 **UTM For Agricultural UAS**
Justin Gong
XAG, China
- 15 09.25-09.50 **Mobile Communication Boosts UAS Industry**
Aleksandar Aydemirski
Huawei Technologies, China
- 16 09.50-10.15 **Performance-Based Navigation (PBN) for RPAS**
Filippo Tomasello
EuroUSC Italia, Italy
- 10.15-10.30 *Questions & Answers*
10.30-11.00 *Coffee Break*
- 17 11.00-11.25 **Overview of the Activities of the Spanish Civil Drone Council**
Gregorio Peraleda
AESA, Spain
- 18 11.25-11.50 **Developing U-Space Services**
Francesco Barbaria
Leonardo, Italy
- 19 11.50-12.15 **DroneRules PRO: Supporting GDPR Compliance Through Privacy Culture Among Drone Professionals**
Christina Hitrova
Trilateral Research, UK
- 12.15-12.40 *Questions & Answers*
13.00-14.00 *Lunch*
- 20 14.00-14.25 **Challenges and Solutions for Safe and Fair Integration of UAS into Airspace**
Angela Kies
DFS, Germany
- 21 14.25-14.50 **Specific Requirements on Long Endurance Surveillance Missions**
Wilm Friedrichs
Lange Research Aircraft, Germany
- 14.50-15.00 *Questions & Answers*
15.00-15.10 *Closing Remarks*



Remotely Piloted Aircraft Systems



3 & 4 July 2018 - Bonn, Germany

CONFERENCE REGISTRATION

VENUE

Federal Ministry of Transport & Digital Infrastructure
Robert-Schuman-Platz 1, DE-53175 Bonn, Germany

DATES & TIMING

Conference: 3 & 4 July 2018
Sign In & Badge Remittance: 08.00 - 09.00
Conference hours: 09.00 - 12.15 & 14.00 - 17.15

CONFERENCE PROCEEDINGS

The conference proceedings will be in English and will be published on a restricted portal, access to which is included in the conference fee. The portal address & password will be emailed out to all conference delegates within 10 days after the conference.

Access to the portal can be ordered by persons not able to attend the conference; in such case, access to the portal will be notified after the conference and after receipt of the relevant payment.

ACCESS BADGES

The conference badges are to be picked up at the registration desk at the venue on the first day of registered attendance & will only be issued to the delegates, whose registration and conference fee have been received **BEFORE 12.00 noon on 29 June 2018**.

FOOD & BEVERAGES

Coffee, tea, soft drinks during breaks are included in conference fee.

Please use a **BLACK**, complete in Block Letters, cross out the applicable boxes, and return this page by fax to 33-1-46.51.05.22, or by email to pvb@rps-info.com. 1 Person per registration form.

Family name:

First name: Mr/Ms

Title: Mil.Rank:

Passport Nr:

Company / Organisation:

Div./Depart.:

Postal address:

Town:

State: Postal Code:

Country: Web: www.

European VAT nr:

Tel.:

Cell:

Email:

Registers as: Conference Attendee Speaker Press

For the following day(s) 1 2 1 + 2

As a member of UVS International or a Partner Organisation:

Corporate Non-Corporate

Is NOT a member of UVS International & falls in category:

Corporate ¹ Gvmt ² Military ³ RA ⁴ Academia ⁵

¹ Industry = Manufacturer, Service Supplier, ANSP, Commercial Research

² Gvmt = Government = Civil servants

³ Military = Serving personnel

⁴ RA = Regulatory authorities = CAAs/NAAs

⁵ Academia = Professors/teachers & students at universities/academies.

Will not attend conference, but orders the proceedings.

METHOD OF PAYMENT

Cheque, Euro only, drawn on a bank in France, made payable in France to Blyenburgh & Co.

Only for bookings received **BEFORE 15 June 2018**.

Bank transfer

Only for bookings received **BEFORE 15 June 2018**.

Credit card (Obligatory ON & AFTER 15 June 2018)

CB Mastercard Eurocard Visa AMEX

Expiry Date Security Code

Credit Card Number

Name Credit Card Holder:

Signature Card Holder:

I confirm that I have read and agree to these terms and conditions.

Signature: Date: 2018

BOOKING CONFIRMATION

Delegate bookings will be confirmed by the emailing of the invoice. Delegates supplying credit card details will receive a payment receipt by email, if not received within 4 days, please notify Blyenburgh & Co.

CONFERENCE FEE IN EURO (€)

	Days	1+2
UVSI & Partner Organizations Board Member		
- Corporate [industry, incl. ANSPs]		760
- Non-Corporate [government, military, regulatory authority, academia]		380
- Partner Organization [Board members only]		380
Not Member of UVS International		
- Corporate [industry, incl. ANSPs]		910
- Non-Corporate [government, military, regulatory authority, academia, humanitarian NGOs]		456
European Parliament, OECD & NATO [registration required]		Free
EC & EC Agencies [registration required]		Free
German federal & state officials [registration required]		Free
Accredited Press [registration required]		Free

Speakers receive 50% discount on the fee applicable to their category

Above indicated fees include the obligatory 19% German VAT

Conference Proceedings (if NOT attending the conference)

Price (excluding VAT): Euro 210,00

The proceedings order form available on www.rpas-conference.com should be completed & submitted.

Please Note: On-site conference registration is NOT possible.

TERMS & CONDITIONS

Entrance to the conference & exhibition venue will only be possible for confirmed delegates whose payment has been received in full **BEFORE 12.00 noon on 29 June 2018**. Confirmed delegates are to be understood as delegates whose booking has been confirmed by the organizers by the sending of the relevant invoice by fax or email. Delegate places are nominal and may not be shared. Substitution of delegates is permitted, provided the organizers have been informed in writing **BEFORE 29 June 2018**. A 10% administration fee will be charged for cancellations received in writing **BEFORE 29 June 2018**. No refund of delegate fees will be made for cancellations received **ON or AFTER 8 June 2018**; issued invoices will remain due and fees received will be retained. The organizers reserve the right to modify the conference programme, speakers, timing, and venue, without prior notice & cannot be held liable for any such changes.



Remotely Piloted Aircraft Systems



3 & 4 July 2018 - Bonn, Germany

FREE CONFERENCE REGISTRATION

Only For
GERMAN Federal & State Employees & Regulatory Authorities

VENUE

Federal Ministry of Transport & Digital Infrastructure
Robert-Schuman-Platz 1, DE-53175 Bonn, Germany

DATES & TIMING

Conference: 3 & 4 July 2018
Sign in & Badge Remittance: 08.00 - 09.00 on 3 July 2018
Conference hours: Day 1 09.00 - 17.35
Day 2 09.00 - 17.35

CONFERENCE PROCEEDINGS

The conference proceedings will be in English and will be published on a restricted access portal, to which Belgian governmental & regulatory delegates will have access.
The portal address and password will be emailed out to all conference delegates within 10 days after the conference.

ACCESS BADGES

The conference badges are to be picked up at the registration desk at the conference venue on the first day of registered attendance & will only be issued to the delegates, whose registration has been received **BEFORE** 12.00 noon on 29 June 2018.

BEVERAGES

Coffee & tea during morning & afternoon breaks are free.

ON-SITE REGISTRATION

On-site conference registration is NOT possible.

BOOKING CONFIRMATION

Delegate bookings will be confirmed by fax or email. If confirmation has not been received within 2 days, please notify UVS International.

TERMS & CONDITIONS

Entrance to the conference venue will only be possible for confirmed delegates. Confirmed delegates are delegates to whom receipt of their booking has been confirmed by the organizers by the sending of an email confirmation.

Delegate places are nominal and may not be shared. Substitution of delegates is permitted, provided the organizers have been informed in writing **BEFORE** 12.00 noon on 29 June 2018.

NOTIFICATION

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Please use a BLACK, complete in Block Letters, cross out the applicable boxes, and return this page by fax to 33-1-46.51.05.22, or by email to pvb@rps-info.com. 1 Person per registration form.

Family name:

First name: Mr/
Ms

Title: Mil.Rank:

Company / Organisation:

Div./Depart.:

Postal address:

..... Town:

State: Postal Code:

Country:

Web: www.

Tel.:

Cell:

Email:

Registers his/her participation in the RPAS 2018 conference.

Signature: Date:2018

Participation will be on a no-cost basis.

DELEGATE REGISTRATION DEADLINE: 12.00 noon on 29 June 2018

Recognition This special arrangement is proposed to German government employees in recognition of and as a token of thanks to the Federal Ministry of Transport & Digital Infrastructure for allowing to organise this event in their conference centre.

Limited Scope The Terms & Conditions detailed on this form will be applicable to the first twenty (20) qualifying persons registering. Thereafter, the normal registration conditions will apply and no further free entries will be allocated.



Remotely Piloted Aircraft Systems



3 & 4 July 2018 - Brussels, Belgium

FREE CONFERENCE REGISTRATION

**Only For Representatives of:
ICAO - OECD - European Parliament - EC - EU Agencies - NATO HQs**

VENUE

Federal Ministry of Transport & Digital Infrastructure
Robert-Schuman-Platz 1, DE-53175 Bonn, Germany

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BEVERAGES

Coffee & tea during morning & afternoon breaks are free.

ON-SITE REGISTRATION

On-site conference registration is NOT possible.

BOOKING CONFIRMATION

Delegate bookings will be confirmed by fax or email. If confirmation has not been received within 2 days, please notify UVS International.

TERMS & CONDITIONS

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Family name:

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Title: Mil.Rank:

Passport Nr:

Company / Organisation:

Div./Depart.:

Postal address:

Town:

State: Postal Code:

Country: Web: www.

Tel.:

Cell:

Email:

Registers his/her participation in the RPAS 2017 conference

In the following category:

- ICAO OECD European Parliament
- EC EU Agency NATO HQs

Signature: Date:2018

Participation will be on a no-cost basis.

DELEGATE REGISTRATION DEADLINE: 12.00 noon on 29 June 2018

Limited Scope The Terms & Conditions detailed on this form will be applicable to the first ten (10) qualifying persons registering. Thereafter, the normal registration conditions will apply and no further free entries will be allocated.



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3 & 4 July 2018 - Brussels, Belgium

SPONSORSHIP OPPORTUNITIES

Sponsorship of the RPAS 2018 conference permits to be directly identified with this technically informative international conference. The event is organized for the international RPAS community, in response to the requirement expressed by UVS International members for an event where current & future governmental non-military & commercial civil RPAS operators, RPAS manufacturers, RPAS operators, pilot training companies, R&D organisations, insurers, academia, as well as current & potential customers can interface with each other, as well as with regulatory authorities and traditional aerial work suppliers.

Within the framework of UVS International's Global Access Initiative, and organized in co-ordination with the European Parliament, European Commission, International Civil Aviation Organization (ICAO), European Aviation Safety Agency (EASA), European Space Agency (ESA), EUROCONTROL, European Civil Aviation Conference (ECAC), standards organizations, JARUS, SESAR JU, various national CAAs, various EC-financed consortia, as well as with the members of the International RPAS Coordination Council (national associations), this is Europe's only conference dedicated to civil RPAS policy, regulatory & related innovation issues.

LUNCH SPONSOR - 2 Opportunities (3 & 4 July 2018)

Benefits include:

- Signage recognizing Lunch Sponsorship on conference promotional literature, programme, lunch tables & conference proceedings portal.
- 6 page advertisement or advertorial on www.rpas-civops.com up to 31 Dec. 2018.
- 2 Free-standing pop-up banners (supplied by sponsor) can be exhibited.
- Free nominal entry for 2 conference delegates (both days).

COCKTAIL SPONSOR - 1 Opportunity (3 July 2018)

Benefits include:

- Welcome address at the cocktail.
- Signage recognizing Cocktail Sponsorship on conference promotional literature, programme & conference proceedings portal.
- 8 page advertisement or advertorial on www.rpas-civops.com up to 31 Dec. 2017.
- 2 Free-standing pop-up banners (supplied by sponsor) can be exhibited.
- Free nominal entry for 1 conference delegate (both days).

COFFEE BREAK SPONSOR - 2 Opportunities (3 & 4 July 2018)

Benefits include:

- Signage recognizing Coffee Break Sponsorship on conference promotional literature, programme & conference proceedings portal.
- 4 page advertisement or advertorial on www.rpas-civops.com up to 31 Dec. 2017.
- Flags with sponsor's logo (supplied by sponsor) on beverage stations & all tables.
- 2 Free-standing pop-up banners (supplied by sponsor) can be exhibited.
- Free nominal entry for 1 conference delegate (both days).

Additional Sponsorship Opportunities

Lanyards (supplied & delivered to conference venue by sponsor)

Brochure & Data Sheet Posting on conference web site.

For pricing information contact Peter van Blyenburgh at
Tel.: 33-1-46.51.88.65 - pvb@uvs-international.org - pvb@rps-info.com



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REMOTELY PILOTED AIRCRAFT SYSTEMS



European Civil RPAS Policy, Regulatory & Innovation Forum

Coordinated with the
INTERNATIONAL RPAS COORDINATION COUNCIL

AUSTRALIA



www.acuo.org.au

AUSTRIA



<https://www.aag.at>

BELGIUM



www.beuas.be

BELGIUM



www.euka.org

CANADA



www.unmannedsystems.ca

CZECH REP.



www.uava.cz

FINLAND



www.rpas.fi

FRANCE



www.federation-drone.org

GERMANY



www.curpas.de

GERMANY



www.uavdach.org

ITALY



www.assorpas.it

ITALY



www.fiapr.it

JAPAN



www.uas-japan.org

LATVIA



www.larpas.lv

NETHERLANDS



www.darpas.nl

NORWAY



www.uasnorway.no

POLAND



www.sbsl.pl

PORTUGAL



www.apant.pt

ROMANIA



<https://www.uvsr.org>

SOUTHERN AFRICA



www.cuaasa.org

SWITZERLAND



www.civil-drones.ch

UNITED KINGDOM



<http://arpas.uk>