



ICAO

RPAS2015

ICAO RPAS Symposium

Remotely Piloted or Piloted: Sharing One Aerospace System

(ICAO HQ, Montréal, Canada, 23-25 March 2015)

As the Remotely Piloted Aircraft System (RPAS) community continues to expand rapidly around the world, States have expressed urgent needs for a global regulatory framework tailored to this emerging technology and its many potential applications.

ICAO's Unmanned Aircraft Systems Study Group (UASSG), established in 2007, brought together experts from States, stakeholder groups and industry. It developed the *Unmanned Aircraft Systems (UAS)* (Circ 328) which provided an initial step towards the elaboration of an international regulatory framework for RPAS. Circ 328 can still be purchased from the ICAO [online store](#).

This circular will soon be superseded by the *Manual on Remotely Piloted Aircraft Systems* (Doc 10019), which will be published by ICAO in early 2015 and prior to the RPAS Symposium. The purpose of the RPAS manual is to provide guidance on technical and operational issues related to the integration of RPA in non-segregated airspace and at aerodromes.

The Remotely Piloted Aircraft Systems Panel (RPASP) has now replaced the UASSG and has been tasked with undertaking specific studies and to subsequently develop provisions to facilitate the safe, secure and efficient integration of RPA into non-segregated airspace and aerodromes, while ensuring existing or improved levels of safety for manned aviation.

Symposium Objectives

There is only one aerospace system serving the global community. Therefore States, regulators and airspace users must understand the importance of adapting the existing regulatory framework to the needs of a fast growing new member and the customers it will be serving.

RPAS manufacturers and operators must be informed of the obligations linked to their entry into the civil aerospace community, and of the regulations required, as well as the opportunities this airspace integration with piloted aircraft provides.

To help address these concerns, the ICAO RPAS Symposium will bring together over 500 representatives of civil aviation authorities, RPAS manufacturers, RPAS operators, and other aerospace stakeholders, including research organizations and academia. Over 50 States are expected to be present at this symposium, which will provide a unique opportunity for stakeholders to network, share their issues, discuss possible solutions, and discover how the evolving ICAO Standards will help shape the future of RPAS.



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Content

The RPAS Symposium will highlight the following topics:

1. Guidance material contained in the *Manual on Remotely Piloted Aircraft Systems (RPAS)* (Doc 10019) and ICAO's RPAS roadmap.
2. Industry's vision of future operations.
3. Regulatory and oversight challenges faced by States.
4. Airspace and aerodrome integration issues.

In addition, the RPAS Symposium will offer:

1. Indoor flight demonstrations of nano and micro RPAS.
2. An RPAS industry exhibition of latest products and services.
3. Hospitality events offering prime networking opportunities: refreshment breaks, lunches, welcome reception, cocktail reception, all of which take place in the heart of the exhibition area.

Organization and Exhibitor/Sponsor information

The first day of the symposium will be devoted to setting the scene with high-level speakers from ICAO, States and industry. The second day will feature workshops, during which ICAO experts and members of the RPAS Panel will, together with civil and military experts from States and members of industry, address the following topics:

- Airworthiness.
- Air traffic management (ATM).
- Personnel licensing and a new remote pilot licence.
- Safety management systems (SMS).
- Operations and certification of operators.
- Civil/military: lessons learned from the integration of military RPA in civilian airspace.
- Detect and avoid and command and control links.

The morning of the third day will offer the opportunity to attend two panel sessions, which will be held in parallel:

- Security issues related to the RPA, the remote pilot station and the command and control link.
- Legal issues, including liability.

During the afternoon of the third day, the symposium will conclude with a discussion of the next steps to be taken by the many stakeholders, including ICAO.

A centrally located exhibition area where coffee breaks, lunches and cocktails will be provided will allow exhibitors an opportunity to showcase their latest solutions in RPAS technology and services. The exhibit floor plan, along with booth descriptions, pricing and order form, are available on the event website. Various sponsorship opportunities are available and their description, applicable pricing and the online order form can also be found on the event website.

For online registration and more information for exhibitors and sponsors please visit:

<http://www.icao.int/meetings/rpas>