



## CALL FOR PARTICIPATION

### STUDY GROUP ON REGULATIONS FOR RPAS FLIGHT & CAPABILITY DEMONSTRATIONS

#### An RPAS Community Supportive Action



#### Preamble

There is a growing number of RPAS flight demonstrations taking place in a significant number of countries. These flight demonstrations take place at, amongst others:

- a) Events featuring manned aircraft demonstrations (e.g. air shows);
- b) Military equipment exhibitions;
- c) Events organised by regional activity promotion organisations;
- d) Events organised by national associations and working groups;
- e) Events organised by universities;
- f) Events organised by conference organisers;
- g) Competitions organised by universities.

#### Considerations

- 1) All such flight demonstrations take place in front of a public, which can significantly vary in size.
- 2) Many of the organisers of such events do not have the experience to fully appreciate their responsibility & reliability (and/or do not take the time to inform themselves).
- 3) Several (near) accidents & incidents have already occurred.
- 3) The national aviation authorities of only a very limited number of countries have regulations for such flight demonstrations in place.
- 4) There are no pan-European, nor internationally, recognised criteria relative to the required airworthiness, pilot competence, safety precautions, and security measures available for guidance to the organisers of such RPAS flight demonstrations.
- 5) It is highly debatable if the RPAS operator's third party liability insurance actually covers all such flight demonstrations.
- 6) The continuously increasing number of approved commercial RPAS operators in countries where initial RPAS regulations have been put in place [In Europe: Czech Rep., France, Ireland, Sweden, and UK - Outside Europe: Australia, Canada, Israel, and Japan].
- 7) The number of countries where initial regulations for non-State RPAS operations are in preparation [In Europe: Belgium, Denmark, Italy, The Netherlands, Norway, Spain – Outside Europe: Brazil, Russian Fed., South Africa, Turkey, USA].
- 8) The amount of countries currently lacking national RPAS regulations, but where the national and/or regional aviation authorities are facilitating RPAS operations on a limited scale by granting experimental flight authorizations (e.g. Hong Kong) or «permits to take-off» (e.g. the 16 federal states in Germany).
- 9) The growing amount of civil RPAS applications (commercial; non-commercial; corporate) that are being evaluated by current & potential RPAS operators.
- 10) The expectation that the quantity of RPAS demonstrations will substantially increase in the short to medium term.
- 11) The fact that a serious accident or incident involving RPAS at such a flight demonstration would have severe repercussions on the entire RPAS community

#### Conclusion

Consequently, UVS International is initiating a study group to rapidly produce a proposal on how to increase the safety at such RPAS flight demonstrations and to submit it for consideration by the regulatory authorities.

#### General

##### Objectives

- a) Create awareness & improve the understanding of responsibility, liability and insurance matters at flight demonstrations with;
  - RPAS operators (current & future)
  - Remote Pilots
  - RPAS manufacturers
  - Insurance companies & brokers
  - Flight schools (current or future)
  - Research organizations and universities
  - Event organisers
- b) Constitute a forum where representatives of the involved communities can meet, exchange ideas and learn from each other;
- c) Complement other ongoing & upcoming RPAS-related studies;
- d) Create a focused knowledge base and information dissemination network;



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- e) Contribute to the implementation of the European RPAS Roadmap;
- f) Contribute to the development of a responsible & sustainable RPAS operations sector.

**SG Objective**

- a) Analyse the current national & European regulations, structures, procedures, safety measures and practices pertaining to flight demonstrations with **RPAS**;
- b) Analyse the current national & European regulations, structures, procedures, safety measures and practices pertaining to flight demonstrations with **manned aircraft**;
- c) Analyse the current national & European regulations, structures, procedures, safety measures and practices pertaining to flight demonstrations with **model aircraft**;
- d) Analyse the adaptability of these current national & European regulations, structures, procedures, safety measures and practices to RPAS flight demonstrations;
- e) Identify best practices;
- f) Produce recommendations for regulations that are to be put in place on national and European level for such flight demonstrations.

**Comment**

UVS International has already gathered a substantial number of existing reference documents (currently applicable rules & regulations & guidelines) that are available (to UVS International members) in the Library on [www.uvs-info.com](http://www.uvs-info.com) (see the restricted access menu bar on the home page).

**Participation In The Study Group (SG)**

- Constitution:** This call for participation in the study group is published on [www.uvs-info.com](http://www.uvs-info.com)  
This call includes a call for candidates for the SG Management Team.
- Possible Participants:** UVS International Members (corporate, non-corporate, private person) from all countries in the following classes:
- Associated national RPAS associations & working groups
  - RPAS Operators
  - Remote Pilots
  - «Qualified Entities»
  - RPAS Manufacturers
  - Relevant Experts
  - National aviation authorities
  - Insurance Companies
  - Law Firms
- Calling Notice Closure:** To be received before the end of the working day on 30 September 2013
- Nr of SG Participants:** A maximum amount of participants may be determined.
- Decision on Participants:** By the Executive Committee of UVS International's Board of Directors; will be notified to all participants within 10 working days of calling notice closure date.
- Management Team:** Going out from the management team candidacies received, a proposal for the SG Management Team (MT) will be prepared by the Executive Committee of UVS International's Board of Directors and it will be notified to all participants within 10 working days of calling notice closure date.
- Participation:** Participation & contribution to this SG is on a voluntary basis & is not remunerated
- Management Team's Task:** The SG's MT will prepare a draft Term of Reference (ToR), and will define:
- Proposed SG management structure;
  - Desired work plan & reporting methodology (minimizing physical meetings);
  - Sequence in which the topics will be dealt with;
  - Intermediate milestones & deliverables + duration & final deliverable(s);
  - Review & comment process (internal & external);
  - Produce a set of documents detailing the aforementioned.
- ToR Delivery Deadline:** 1 November 2013
- ToR Approval:** The SG ToR will be submitted to UVS International for approval by the Executive Committee of its Board of Directors.
- Kick-off Meeting:** The kick-off Meeting will take place at the Royal Military Academy in Brussels, Belgium on Wednesday 11 December 2013 (the last day of the RPAS CivOps conference at the same venue).  
The participants in the SG's kick-off meeting are to accept the proposed Terms of Reference. However, they may decide by majority vote to modify the work plan, the sequence within which the SG's topics are dealt with, and the timelines.
- Language:** All the SG's discussions & documents will be in English.



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- SG Duration: Undefined - But as short as possible. Final deliverable objective: 30 April 2014.
- Consultation Process: The final drafts of intermediate documents and/or intermediate survey study results (if judged useful by the MT), as well as the final recommendation document(s) produced will be supplied for review and comments to:
- European Coordination Council (ECC) members <sup>01</sup>  
(these organizations are to supply collective comments)
  - International Coordination Council (ICC) members <sup>02</sup>  
(these organizations are to supply collective comments)
  - UVS International members (corporate & non-corporate & natural person)
  - EUROCAE WG73 on UAS  
(the working group is to supply collective comments)
  - EUROCAE WG93 on Light RPAS  
(the working group is to supply collective comments)
  - European & international insurance companies & brokers
  - National aviation authorities
  - JARUS
  - Eurocontrol
  - European Aviation Safety Agency (EASA)
- Comment Integration: Comments will be supplied online in a format designated by the SG Management Team. Evaluation of the comments received and their incorporation into final document will be undertaken by the SG Management Team, and/or persons designated by it.
- Final Deliverable: Will be freely available to all interested parties.  
Will be posted on [www.uvs-international.org](http://www.uvs-international.org) with access for all web site visitors.
- Recipients of Final Deliverable:
- European Commission DG Enterprise & Industry (ENTR)
  - European Commission DG Mobility & Transport (MOVE)
  - European Aviation Safety Agency (EASA)
  - Eurocontrol
  - SESAR Joint Undertaking
  - ECAC
  - JARUS
  - ICAO UAS Study Group
  - National aviation authorities
  - National RPAS-related associations & Working Groups
  - EUROCAE WG73 on UAS
  - EUROCAE WG93 on Light RPAS
  - European & international insurance companies
  - Study Group on RPAS-related Responsibility, Liability & Insurance
  - Organisers of events featuring RPAS flight demonstrations

**Note:**

<sup>01</sup> European RPAS-related national associations (BE, CA, CZ, DE, ES, FR, IT, NL, NO, SE, UK) & working groups (DK, BR)

<sup>02</sup> All ECC members + Non-European RPAS-related national RPAS associations (AU, CA, JP, RU) & working groups (BR) federating the national RPAS communities in those countries.