

A proposal for an

ICCAGRA Subcommittee on unmanned aircraft systems

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Why might we need this subcommittee?

Unmanned aircraft systems provide observations in remote or dangerous airspace where there is risk to pilot and aircraft. They also satisfy requirements for long- duration loitering and air-mass following.

Current UAS have the capability to provide observations that manned aircraft cannot achieve, and as systems mature and show promise, there is increased interest in their use.

Coordination among federal agencies is important given the complex, rapidly evolving technologies as well as the policy/regulatory framework that enables their use in the national and global airspace.



To improve coordination and exchange of technical information regarding UAS in use or under consideration by participating ICCAGRA agencies.

To provide a forum for discussing opportunities and challenges related to conducting research from UAS



Functional Description

Provide a forum to discuss requirements, new capabilities and challenges to implementation of UAS for agency uses. Include the spectrum of issues:

- Technology
- Processes and procedures
- Policy
- Science
- Applications
- Explore manned-unmanned complementarity
- Document and share lessons learned



The working group should include representatives from all agencies involved in ICCAGRA, i.e., NASA, NOAA, NSF, DOE, DOI, and ONR. The members should be as closely associated with UAS technology or operations as possible. A Chairman and an Executive Secretary will be elected annually from the principal agencies.



Because of the rapid developments in the field of UAS, to be effective, the UAS working group should meet at least biannually; quarterly meetings are strongly recommended.

Working Group meetings will be called by the Chairman, who will also approve the agenda. Minutes of each meeting will be prepared by the Executive Secretary and distributed in a timely manner to all participants.



Reviews & Termination

The charter for this committee will be reviewed every three years, commencing upon approval, in consideration for continuation.

A member may withdraw from the committee at anytime by giving written notice to the other charter members.



Anticipated year-1 deliverables

Quarterly meeting reports including actions and recommendations

Provide inputs to FAA R&A planning process

AIAA UU/I@A users workshop in April 2009

Develop online reference material on ICCAGRA member assets and capabilities

Facilitate at least 1 joint UAS mission between two or more ICCAGRA agencies



Cataloging and updating interagency agreements pertaining to use of UAS across agencies;

Coordinating SBIR & STTR solicitations to leverage development of capabilities that meet shared requirements;

Coordinating RFIs and RFPs to meet interagency goals.



**Thank you for your time and
consideration.**

Any questions?

