



## **Call for Experts - ISO/TC 20/SC 16 - Unmanned Aircraft Systems**

**17 April, 2017**

### **Overview**

ISO/TC 20/SC 16 is a technical subcommittee of the International Organization for Standardization (ISO) Aircraft and Space Vehicles technical committee responsible for developing and maintaining standards for unmanned aircraft systems (UAS). Specifically, the subcommittee develops international standards for UAS including, but not limited to classification, design, manufacture, operation (including maintenance) and safety management of UAS operations.

Established in 2015, SC16 now has four approved work items that it initiated in 2016 with 36-month timelines to publication (2018). While SC16 has participation from some 20 different national standards bodies from North America, Europe, and Asia-Pacific, the volume of work to be done necessitates even greater expert participation.

### **Purpose**

SC16 invites experts with expertise in the following areas particularly to indicate their interest and share how they propose to contribute to:

- UAS categorization/classification;
- Autonomy; and
- Quality and safety programs for components essential to UAS design and manufacture.

As to the first item, civil UAS are a global product—their standardized development and safe operation depends partly on category and classification management. The purpose of ISO 21895, currently underway, is to build a general, global architecture for the categorization and classification of UAS. It will confirm the requirement of UAS categorization and classification, so as to better facilitate international trade, provide a data-driven basis for UAS regulation, development and production requirements, safe and orderly operations, as well as provide the basis for the updating of various existing technical UAS standards.

Automation is a topic that threads through several aspects of the Operational Procedures standard (ISO 21384-3) and forms an important element of the document. In order to ensure that ISO/TC20/SC16/WG3 captures the current developments and best practices in this area, as well as covering future developments to ensure that the standard is as futureproof as possible, it seeks experts in the area of autonomous UAS operations.

### **Other Qualifications**

National standards bodies have processes in place to ensure the quality of candidates. SC 16 offers as guidance the following criteria for ideal candidates:

Participation – Semi-annual participation at in-person WG meetings (two 2-day meetings annually); monthly telephonic/web meetings (2 hours monthly)

Language – Proficiency in English

To find the appropriate point of contact at your national standards body please email ISO/TC20/SC16 Secretary Cortney Robinson: [cortney.robinson@aia-aerospace.org](mailto:cortney.robinson@aia-aerospace.org)