



## **TSK097 - Assessment of Standards Relating to S-UAS**

Without commitment or prejudice.

### **Introduction**

The UK MOD is undertaking a programme of work to identify requirements for Small Unmanned Air Systems (S-UAS) of less than 150Kg. One strand of work in the programme is to define an Open Architecture for S-UAS to foster a flexible system of systems approach which can be updated and modified as required as future technology becomes available.

In support of MoD programme the Unmanned Air Systems Capability Development Centre (UAS CDC) has defined a S-UAS architecture, comprising system, sub-system and functional elements. Because of the variance in size and complexity of S-UAS, some functional elements may not be relevant, others may be combined. This is presented in this document as the UAS CDC S\_UAS Architecture.

Using the UAS CDC S-UAS Architecture as a framework, the next stage of the work is to identify the relevant current internationally recognised standards including but not limited to interface, Electrical, and Mechanical. that could potentially support the Open Architecture design for S-UAS, and to identify where there are gaps or issues within these standards.

### **Requirement**

The UAS CDC is looking to engage Subject Matter Experts (SMEs) from Industry to use the UAS CDC S-UAS Architecture (see Appendix A) as a framework to identify the relevant systems and interfaces against which recognised standards can be mapped. To achieve this, the UAS CDC envisages working with a number of industry SMEs to ensure that all aspects are considered. Where industry can identify and has experience of relevant standards, they will be asked to provide:

1. Which standards, or parts of, are applicable to certain functional elements of the architecture?
2. What are the pros and cons of these standards in terms of;
  - a. Impacting the capability of the system.
  - b. Being a major cost driver.
  - c. Limiting the amount of companies that can undertake the work.
  - d. Ease of confirmation that the standard has been met.
3. Identification of gaps where there are no standards?



### Registering Your Interest

If you believe you have the appropriate skill set and would wish to support the UAS CDC. You will be required to provide the following;

- a. Completed proforma in Appendix B, detailing the areas where you can offer SME support.
- b. CV and/or supporting evidence of your organisations experience in this field to support point a) above.

If you wish to be considered for this task, please provide your information to the UAS CDC by close of business on Friday 23rd November 2018.

This information will allow the UAS CDC and MOD to initially assess your potential to provide support for this task.

If you have any queries please do not hesitate to contact the undersigned.

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