



### Expression of Interest

Without commitment or prejudice.

Thank you for registering your capabilities on the Unmanned Air Systems Capability Development Centre (UAS CDC) Open Supplier Register (OSR). Based on the information submitted onto the OSR you have indicated to us that you have:

- Class 1 (Micro, Mini, Small) UAS capabilities;
- Have a UAS operating capability;
- Have an engineering capacity.

As such, you may be interested in receiving further details of a forthcoming UAS CDC event.

### Small Unmanned Air System Indoor / GPS Denied Demonstration 2017

On behalf of MoD and several cross government stakeholders, the UAS CDC is arranging a capability demonstration event to evaluate the potential use of Small UAS (SUAS) in an indoor and GPS denied environment.

The objective of the demonstration is to gauge the level of capability that is currently in development that will allow and support the operation of SUAS in the indoor and GPS denied environment.

The UAS CDC is seeking potential SUAS operators, manufacturers or technology providers to partake in the demonstration event.

The demonstration is planned to take place over several days between the 5th June 2017 and the 28th July 2017 (actual dates TBC).

A specific location in Southern England has been earmarked for the event.

The UAS CDC is looking for commercial and bespoke SUAS platforms that can demonstrate the following criteria:

- a. The UAS **must** be able to operate and navigate in an indoor or GPS denied environment;
- b. The platform **must** be able to transmit real time imagery and data to the operator(s) who will be located outside of the building or adjoining structure;
- c. The platform **must** be man portable, quick into action and easy to use in an operational environment;
- d. It is desirable that the SUAS platform has dual EO/IR payload options;
- e. Additional payloads such as 3d mapping, microphones, etc. will also be considered, particularly where they may support automated search (persons, suspect packages etc.) capability on the platform;
- f. The stakeholders' preference is for platforms that incorporate automated route finding, mapping and return to home capabilities rather than rely fully on direct operator control of flight.



Where you have capabilities which match the above criteria, please provide brief details of the platform and payloads you believe would be of interest for the demonstration and a recent case study of work that is relevant to the task where possible. In the event that your company has not performed any indoor flying to date, but you believe your company is still able to provide such services or will in the near future, please provide detail why you consider this to be the case.

If you wish your capabilities to be considered for the demonstration and receive further information, you are asked to submit brief details of your proposed SUAS solution(s) to the UAS CDC by close of play on 31<sup>st</sup> March 2017.

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