



**Unmanned Aircraft Systems
Capability Development Centre**

22 September 2015

Our reference UAS CDC/CUAS/RFI/V1.0

UAS CDC

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Request For Information: Unmanned Air Systems Detection Demonstration

Originated by: M Wilkinson

1 Background

- 1.1 A Home Office department is currently assessing the feasibility of conducting a technology capability demonstration(s) of systems with the potential, or actual ability, to detect airborne small UAS. It is expected to conduct the demonstration before April 2016.
- 1.2 Due to its pan-government support work on Counter Unmanned Air Systems (CUAS), the UAS CDC has been asked to support the identification of manufacturers/providers that have an actual or potential UAS detection capability, such that the scope of any demonstration(s) may be determined and planning action commenced.
- 1.3 The technology should be able to satisfy the top level requirements detailed at Para 2.1, which have been generated by the interested, pan-Government community to meet a current CUAS requirement.
- 1.4 The purpose of this RFI is to illicit responses from manufacturers/providers of suitable technology, such that the scope of any demonstration(s) may be determined and planning action commenced.

2 Requirements

- 2.1 The UAS CDC is looking for systems/technology that can:
 - a. Detect, locate and track commercially available, sub-20kg rotary & fixed wing UAS, in particular UAS with an all-up mass between 1-5kg;

- b. Provide the location of the UAS operator and/or ground operating equipment (desirable);
- c. Detect, locate and track a small UAS 200m (minimum distance) away from a user defined perimeter;
- d. Automatically identify and alarm when a small UAS is detected, with a low and manageable false alarm rate;
- e. Provide a permantley fixed, 24 hour all-weather capability;
- f. Be fully integrated into an established operations/command room.

2.2 In addition to the requirements above, you are also requested to supply details (if applicable) of any UAS mitigation/effector systems you have that would work on the same UAS category. The details will be used by the Home Office to assess the feasibility of conducting a potential mitigation/effector demonstration.

3 Supplier Response

3.1 Where you have suitable technology or systems that meet in full, or partially, the criteria in Para 2.1, please provide sufficient details to SIDC@homeoffice.gsi.gov.uk by 12th October 2015.

3.2 All information received will form part of a wider review with the Home Office, anticipated to be undertaken in October 2015.

3.3 Responses and questions to this Request For Information (RFI) should be emailed to: SIDC@homeoffice.gsi.gov.uk. Please start the subject line with the text "Unmanned Aircraft Systems" in each email.