



**Expression of Interest Notice for Providers of Structural/Impact Modelling and Testing**

Without commitment or prejudice.

The Unmanned Air Systems Capability Development Centre (UAS CDC) has recognised that your organisation may have capability in the following areas:

- Structural and/or impact modelling capabilities;
- Materials/structure test facilities.

As such, you may be interested in receiving further details of a potential forthcoming UAS CDC opportunity that has arisen.

UAS CDC contact details are provided below. For information on the UAS CDC refer to: [www.uascdc.com](http://www.uascdc.com)

**Remotely Piloted Air System Collision with Manned Aircraft, Modelling and Testing**

The Military Aviation Authority (MAA) is currently considering concerns within the military manned aircraft community regarding the risks and consequences posed by a collision between a small Remotely Piloted Air System (RPAS) (often referred to as drones or Small UAS) and a manned aircraft. Discussions have also involved the UK Civil Aviation Authority (CAA) and the British Airline Pilots Association (BALPA) who have similar concerns.

A 'RPAS Collision Study' has been proposed by the above stakeholders to include an impact modelling assessment of prioritised RPAS collision scenarios together with an aligned physical test programme. The specific RPAS collision scenarios relate to classes of RPAS, such as small 'quadcopters' or small 'fixed-wing' platforms, impacting with specific manned aircraft sub-systems, such as windscreens or rotor blades.

To be considered for participation in the RPAS Collision Study, potential suppliers should, in the first instance, have one or both of the following capabilities:

- Structures impact modelling; and / or
- A test facility that could conduct representative RPAS and manned aircraft sub-system collision testing.

If you would like to receive a Request For Quotation, should the task proceed, please email the UAS CDC email address below by close of business on 03<sup>rd</sup> March 2016 with a brief summary of your organisation's relevant capability.

Annette McKie, Industry Relations Manager  
Unmanned Air Systems Capability Development Centre  
MOD Boscombe Down, Amesbury  
Wiltshire, SP4 0JF  
UAS CDC Direct Line: 01980 66 3311  
UAS CDC Email Address: [FMC-WECA-Eval-UCDCCoord@mod.uk](mailto:FMC-WECA-Eval-UCDCCoord@mod.uk)