



**Expression of Interest Notice for Potential UAS Platform Providers**

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:

- Fixed winged UAS capabilities

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

**RAF Spadeadam Radar Trials.**

In March 2015, the RAF Force Protection (FP) Wing is conducting radar trials at RAF Spadeadam, Cumbria and has requested UAS services as part of the trial requirement. The trial is scheduled to take place 2-13 March 2015, specific dates for UAS flights are to be confirmed.

To be considered for the trial UAS platforms and operators shall, in the first instance, comply with the following specification:

Ref	Specification	Confirm Y/N	Comment
S1	Fixed Wing platform available first 2 weeks in March 2015 (inclusive)		
S2	Size: 1.8m – 3.0m wingspan		
S3	Capable of a >20 min continuous flight, at a speed > 40kts (if wind conditions allow)		
S4	Air Speed: Capable of speed > 40kts		
S5	Target must provide a 1Hz GPS data log as a minimum, 10Hz GPS is greatly preferable (if >1Hz provide detail). Data should be provided at the end of each Flying Day and include (Lat, Long, Altitude, GPS Time) and be referenced to the WGS84 datum		MS Excel is an acceptable data format
S6	Able to land and recover from 10x15m Helicopter Landing Site		
S7	Able to Fly >40mins in every hour, for 4 full days flying between 0900 and 1700 (weather permitting), including launching a new UA if required		
S8	Able to update flight profile / waypoints without landing		



S9	Able to conduct the following flight profiles <ul style="list-style-type: none"><li>• Orbital 1 – 60m radius</li><li>• Orbital 2 – 120m radius</li><li>• 1Km Race track at 0, 10, 45 and 135deg orientation relative to sensor</li></ul> At various heights above sensor (500ft, 1000ft and 2000ft) and ranges up to 5km from the L&R site.		
S10	Current Aerial Work Permit		
S11	Extant EVLOS or BVLOS for RAF Spadeadam		
S12	Desirable if duplicate GCS can be provided at the sensor location to increase the trial teams situational awareness		

If you would like to receive a Request For Quote, please contact the undersigned by end of 3<sup>rd</sup> February 2015.

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