



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:

- Class 1 UAS capabilities;
- UAS operating experience.

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

RAF Spadeadam Radar Trials.

The RAF Force Protection (FP) Wing is giving consideration to conducting Radar trials at RAF Spadeadam, Cumbria and has requested UAS services as part of the trial requirement. The trial is provisionally scheduled to take place 2-13 March 2015. To this end, the UAS CDC is gauging UAS supplier availability to support this short-notice requirement.

To be considered for the trial, potential UAS operators shall, in the first instance, need to comply with the following specification:

Ref	Specification	Confirm Y/N	Comment
S1	Fixed Wing platform available first two weeks in March 2015 (inclusive)	Y	
S2	Size: 1.8m – 3.0m wingspan	Y	Quest UAV
S3	Capable of a >20 min continuous flight, at a speed > 40kts (if wind conditions allow)	Y	
S4	Air Speed: Capable of speed > 40kts	Y	
S5	UAS 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	Will confirm	MS Excel is an acceptable data format
S6	Able to land and recover from 10x15m concrete Helicopter Landing Site	Y	
S7	Able to Fly >40mins in every hour, for 10 full days flying between 0900 and 1700 (weather permitting), including launching a new UA if required	Y	
S8	Able to update flight profile / waypoints without landing	Y	



S9	Able to conduct the following flight profiles <ul style="list-style-type: none">Orbital 1 – 60m radiusOrbital 2 – 120m radius1Km Race track at 0, 10, 45 and 135deg orientation relative to sensor At various heights above sensor (500ft, 1000ft and 2000ft) and ranges up to 5km from the L&R site.	Y	
S10	Current Aerial Work Permit	Y	FW currently being
S11	Extant, or ability to obtain in the timescales, EVLOS or BVLOS permissions for operations at RAF Spadeadam	Y	added
S12	Desirable if duplicate GCS can be provided at the sensor location to increase the trial team's situational awareness	Y	

If you would like to receive a Request For Quote should the trial go ahead, please email the UAS CDC email address by close of play on 4th February 2015.

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