**Request for Information / Soft Market Engagement for:**

**Airborne EO/ IR Imaging Systems and Air to Ground Communication Systems**

The National Police Air Service (NPAS) wishes to engage with the market in relation to the acquisition of the following:

* EO/IR imaging systems for use on BVLOS remotely piloted aircraft systems. (imaging system under 4kg total weight)
* EO/IR imaging systems for use on BVLOS remotely piloted aircraft systems. (imaging system 4kg – 10kg total weight)
* EO/IR imaging systems for use on BVLOS remotely piloted aircraft systems. (imaging system 10kg-17kg total weight)
* Systems for the distribution of live aerial imagery.

The purpose of this Request for Information (RFI) is to better understand the market and its available products and services. NPAS wishes to understand what the relationship is with imaging system limitation and weight. With consideration for the requirements below please submit your information as per the instructions at the bottom of this brief.

1. The National Police Air Service (NPAS) is operated by West Yorkshire Police on behalf of the 43 police forces of England and Wales together with British Transport Police in those areas.
2. As part of its commitment to providing an effective and efficient service, in support of forces in keeping the public safe, NPAS is exploring the use of beyond visual line of sight (BVLOS) drones to form part of its future blended fleet.
3. This request for information seeks to understand options, which may be available for the rapid insertion of this technology.
4. Key policing parameters which are expected to be met are as follows:   
   1. **Provision of Imagery** 
      1. High quality colour video, low light and infra-red imagery of sufficient detail and quality in daylight, low light and darkness to enable the following from typical operating heights ranging from 500 to 1500 feet to afford a high quality situational awareness for the command team risk assessment and decision making:   
         1. Clear visibility of a scene
         2. Capture of individual descriptive detail (facial and clothing)
         3. Identification of vehicle make, model, colour and registration numbers
         4. Capture of evidential detail at any given incident, location or scene
   2. **Distribution of Live Aerial Imagery** 
      1. Airborne data link of live video imagery from on-board camera systems into force control rooms, agreed partner agency control rooms and resources on scene. This must be of sufficient quality to deliver the four criteria (1-4 above) to those on the ground viewing the imagery
5. Key parameters:

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| 1. **Minimum range** | Equipment must be able to operate up to 50km from the base station |
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| 1. **Minimum endurance** | Systems must be capable to operate on a platform which will be airborne for a minimum of 4 hours |
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| 1. **Regulatory compliance** | Must be compliant with UK radiocommunications regulations  Equipment must not be subject to ITAR limitations on use |
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| **Submission of Requested for Information**  Please supply details of your product specification and characteristics. In relation to point 4a above please include examples of footage from the sensor system demonstrating performance in daylight and night conditions. Suppliers submitting information may be asked to participate in a demonstration of their equipment at a later date, details of which will be provided once all information is considered.  If you wish to provide a response to this request for information, please do so before  **17:00 (BST) on October 11th 2021** via the EU Supply tendering portal at [eu-supply.com](https://uk.eu-supply.com/login.asp?B=UK)  If you have any questions relating to this request, please submit these via the messaging section of the EU Supply Portal and a response will be provided as soon as possible. | | | |