****

**Satellite Surveillance:**

Brief for bidders

Sept 2022

1. **Background** 
   1. Maritime security is a key enabler to Homeland Security, surveillance of the Maritime domain for UK security requires a multi-layered approach. However, there are gaps in UK Maritime situational awareness covering the UK Marine Area specifically against non-cooperative-reporting vessels (dark targets). Terrestrial sensors such as RADAR provide persistence at shorter ranges, whereas satellite surveillance products provide longer range coverage of the whole UK Marine Area, although lacking in persistence.
   2. The [Joint Maritime Security Centre (JMSC)](https://gbr01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.gov.uk%2Fgovernment%2Fgroups%2Fjoint-maritime-security-centre&data=05%7C01%7CCory.Bateman%40homeoffice.gov.uk%7C5b839a0e9e9347f3cbb508da52ae4662%7Cf24d93ecb2914192a08af182245945c2%7C0%7C0%7C637913205692332558%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=r293Vt6wWvXtTPIyJMs7Hqbg8tkm0hOlYw1u6YEJB54%3D&reserved=0) is seeking to identify and classify vessels in order to enable executive action at sea where required.
   3. The JMSC is seeking to extend the existing limited satellite surveillance of the UK Marine area as our existing contracted service ends in the near future. This will be a short-term task while a future wider Intelligence Surveillance Reconnaissance (ISR) capability requirement is captured.
   4. JMSC requires geospatial products/services that will enable/assist in the detection of both cooperative and non-cooperative-reporting vessels. Specifically, the JMSC is seeking the provision of products from the following space based sensors:

a) Synthetic Aperture Radar (SAR),

b) Electro Optical (EO) and

c) Radio Frequency (RF) products.

* 1. The required geospatial products should be integrated into the UK Recognised Maritime Picture no later than **01 Sept 2022** to ensure the JMSC is prepared to support UK government departments to deliver effective Maritime Security
  2. The requirement is for a turnkey service. Suppliers will be responsible for owning, siting, installing, securing and operating any hardware. This includes any commercial arrangements to utilise land to accommodate physical infrastructure.
  3. The current operational tempo assumes a requirement for 24/7/365 service availability. Suppliers will need to ensure the system is supported with sufficient personnel to resolve any issues promptly.

1. **Questions for suppliers**

|  |  |
| --- | --- |
| **Question** | **Response** |
| * 1. JMSC would like this service in operation by 01 Sept 2022 - is this an achievable expectation, using the CCS RM6235 Space-enabled and Geospatial Services framework and Dynamic Purchasing System(DPS)?   **If not, please explain why and what you view as being achievable.** |  |
| * 1. JMSC are initially looking a 6 month “firm’’ period contract, with optional 6-month extension – would this length of a contract be appealing?   **Please provide further detail in relation to your answer.** |  |
| * 1. Does the brief description of the services required listed section 1.0 above seem like something you can provide?   **Please provide further detail in relation to your answer.** |  |
| * 1. Are you already a registered supplier to the CCS RM6235 Space-enabled and Geospatial Services framework and DPS? **If not, please confirm you are willing to register for it.** |  |
| 2.5 Are you already providing services of a similar nature?  **Please provide a brief description.** |  |