

DPS Schedule 1 (Specification)

Introduction

This Schedule sets out what we and our buyers want.

The Supplier must only provide the Deliverables for the Filter Categories that they have been appointed to.

For all Filter Categories and/or Deliverables, the Supplier must help Buyers comply with any specific applicable Standards of the Buyer.

The Deliverables and any Standards set out in Paragraph 1 below may be refined (to the extent permitted and set out in the Order Form) by a Buyer during an Order Procedure to reflect its Deliverables Requirements for entering a particular Order Contract.

Specification

1. CCS priorities

Crown Commercial Service (CCS) key priorities are to support visibility of Space-Enabled & Geospatial Services products and services whole life costs and to influence efficiencies through:

- Offering valued solutions to meet customers individual requirements;
- Build and increase capacity of high quality products and services;
- Provide greater opportunity for aggregation; and
- Develop a dynamic commercial model for access to products and services.

The Space-Enabled and Geospatial Services DPS will have a positive effect on all of these priorities.

2. Basic Scope of Service Types

2.1 As documented by the DPS Appointment Form the Supplier has demonstrated that they can provide at least one of the following four Categories of service/product for the purposes of this DPS Contract:

- Space-enabled/satellite communication and broadcasting;
- Geospatial and Remote Sensing;
- Unmanned Autonomous Vehicles (UAVs)
- Upstream Services (professional consulting services only, relating to launch or manufacture capabilities)

2.2 The range of products and services is broad and intended to capture commercially viable products and services which may be 'off the shelf' or bespoke to the buyer requirement

3. Filter Structure

- 3.1** The filters consist of four distinct elements;
- Category
 - Product/Service to be provided
 - Specialist Capabilities
 - Commercial Model
- 3.2** These filters are further divided into a number of filters and sub-filters as shown below, with the sub-filters providing further definition for the relevant filter
- 3.3** Any competition is expected to identify one option from filter element “1.Category”, and at least one option from filter element “2.Product/Service to be provided”
- 3.4** Selections from filter elements “3.Specialist Capabilities” and “4.Commercial Model” may be used to further specify requirements as where relevant to the buyer requirement

	Filter	Sub-filter
Category	Satellite & Space-Enabled Communication	Broadcast
		Communications
		Advisory, Consultancy, and Training
	Geospatial & Remote Sensing	Data Acquisition & Capture
		Software and Solutions
		Data and Services
		Advisory, Consultancy, and Training
	Unmanned Autonomous Vehicles	BVLOS products and services
		Commercial Devices
		Supporting Devices
		Counter-Drone
		Advisory, Consultancy, and Training
	Upstream (professional services only)	Operations
		Advisory, Consultancy, and Training

Product/Service to be provided	Turnkey Solutions including Bandwidth & Capacity	Turnkey Solutions including Bandwidth & Capacity
	Hardware & Platforms	COTS (Commercial Off The Shelf) Hardware & Platforms
		Bespoke Hardware & Platforms
	Data Acquisition/capture, Products & Services	Data Acquisition Solutions
		Data processing & management services
		Analytical Services
		Visualisation & Presentation
		Data & Data Products
		Surveillance
		Surveying & Mapping
	Software, Applications and Solutions	Data storage, hosting, and distribution
		Data processing and management tools
		Application Development
		COTS (Commercial Off The Shelf) Software and Applications
	Advisory, Consultancy, and Training	Architecture, Design, Specification
		Security
		System Integration
		Advisory, Research & Consulting
		Maintenance, Operations & Support
		Independent Evaluation/Validation
		Training & Education
Specialist Capabilities	Specialist sector	Transport
		Defence
		Law enforcement

		Intelligence and Surveillance
		Education
		Environment
		Local government
		Health
		Space
		Utilities
		N/A
	Data	Remote Sensed data
		Demographic and population data
		Buildings and settlements
		Aviation data
		Transport data
		Marine and Water
		Geology and Soils
		Administrative and boundaries
		Land cover and Land use
		Address, Geographical Names, and Location data
		Elevation and Depth
		Physical Infrastructure
		N/A
	COTS/Software	Analytical tools
		Data matching
		Visualisation tools
		Extract, Transfer & Load (ETL) tools
		Address Search / Gazetteer

	Locational	N/A
		Aerial
		Marine and Water based
		Land Based
		Space Based
		Subterranean
		N/A
Commercial model	Commercial models	Project/Milestone Based
		XaaS ('X' as a Service)

4. Mandatory Service Requirements

- 4.1** The following section sets out service requirements that must be satisfied by any Service supplied by Suppliers under any of the four categories (listed here as points 4.2, 4.3, 4.4, 4.5), of which Suppliers must satisfy at least or more than one;
- 4.2** Space-enabled/satellite communication and broadcasting;
- Solutions, services and products related to satellite communications, networking and broadcast, Next Generation Quantum key distribution
- 4.3** Geospatial and Remote Sensing;
- Solutions, services and products focusing on data supply, hosting and processing, application development and remote sensing
- 4.4** Unmanned Autonomous Vehicles (UAVs)
- Solutions, services and products for drone and UAV services and other unmanned solutions
- 4.5** Upstream Services (professional consulting or operational services only, relating to launch or manufacture capabilities)
- Manufacture - components, sub-systems, antenna's, propulsion, satellites. Hardware, software and services
 - Launch - construction of launch facilities, launch services, spaceports, space operations

4.6 Social Value

- 4.6.1 Social Value legislation places a legal requirement on all public bodies to consider the additional social, economic and environmental benefits that can be realised for individuals and communities through commissioning and procurement activity, and, in Scotland, to deliver them. These benefits are over and above the core deliverables of Contracts. General information on the Social Value Act can be found at:

<https://www.gov.uk/government/publications/social-value-act-introductory-guide>

- 4.6.2 Social Value shall have a minimum relative weighting of 10% of the total score for the Order Award Criteria used in any Order Procedure undertaken using this DPS Contract. This is the expected minimum level for Central Government and Wider Public Sector (WPS) customers. Wider Public Sector customers may choose to set their own level.

- 4.6.3 Without prejudice to the Supplier's obligations under Joint Schedule 5 the Supplier shall identify any Social Value options which are appropriate to Buyers as part of any Order Procedure. Any Social Value options selected by Buyers at the point of Order Contract award, shall be in accordance with the Government's Social Values which are current at that point in time. Details of central government's current key priorities are at:

<https://www.gov.uk/government/publications/procurement-policy-note-0620-taking-account-of-social-value-in-the-award-of-central-government-contracts>

- 4.6.4 The Supplier shall complete annual Corporate Social Responsibility (CSR) assessments upon request from Buyers - for more information on Social Value please see the following link

<https://www.gov.uk/government/publications/social-value-act-introductoryguide>

4.7 Our social value priorities

- 4.7.1 In accordance with procurement policy note 6/20 (see 3.2 above) we have identified three key social value themes relevant to this procurement.
- 4.7.2 We have listed below each of these priorities, along with examples of the measures by which suppliers can contribute to social value in each area.
- 4.7.3 These are our priorities in this procurement:

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Theme	Policy Outcome	Delivery objectives - what good looks like
Fighting climate change	Effective stewardship of the environment	<p>We expect this agreement to produce improvements to the sustainability and environmental impact of solutions employed by public sector services. As an example for suppliers, measures to contribute to social value could take into account the following;</p> <ul style="list-style-type: none">• Space technology will be a leader in the net zero carbon manufacturing, and Space technology facilities tend to be centred around hubs and space ports, designed with net zero objectives met, thereby allowing a supplier to evidence their contributing to fighting climate change.• There is also significant focus on reducing waste, recycling and space debris which would also provide a measure for suppliers to contribute to effective stewardship of the environment, and so to fighting climate change.
Equal opportunity	Tackle workforce inequality	<p>We expect this agreement to create demand for services and products within the space sector, which has recently seen a study of the demographics of the UK space sector completed by the Space Skills Alliance in their 2020 Space Census. As an example for suppliers, measures to contribute to social value could take into account the following;</p> <ul style="list-style-type: none">• Women are significantly under-represented (29%), particularly in industry (22%) and the military (17%). This reflects wider trends among STEM students and graduates. Contributing to tackling workforce inequality could be achieved through challenging the barriers that prevent women from progressing, by enabling flexible working and work-life balance. Alternatively working with academia to promote the uptake of STEM or related academic choices and then the uptake of industry opportunities post-academia presents another approach.• Ethnic minorities are under-represented (11% vs 14% in the population at large),

		<p>particularly in industry and government, and compared to STEM graduates. Contributing to tackling workforce inequality could be achieved through positive action initiatives such as implementing diverse interview panels, thus challenging unconscious bias. Alternatively working with academia to promote the uptake of STEM or related academic choices and then the uptake of industry opportunities post-academia presents another approach.</p>
COVID-19 recovery	Help local communities to manage and recover from the impact of COVID-19	<p>We expect this agreement to enable the use of remote technologies and solutions, which are central to more efficient and safer working practices as well as the planning out and monitoring of emergency responses. As an example for suppliers, measures to contribute to social value could take into account the following;</p> <ul style="list-style-type: none"> • Space is a growing market with opportunities in manufacturing, construction and technology, and with increased demand for safer working practices and remote technologies, this high growth sector will see new opportunities for employment or re-training which could be offered by suppliers as a measure for helping community recovery.

4.7.4 CCS will use the Performance Indicator Social Value Delivery to periodically monitor and measure supplier Social Value delivered through order contracts under this DPS by requesting a Social Value Delivery Statement as detailed in DPS Schedule 4 (DPS Management).

4.7.5 The buyer can identify specific social value priorities at the point of ordering.

4.8 Innovation

4.8.1 In providing the Services to the Buyer, the Supplier agrees to use reasonable commercial efforts to:

- Identify opportunities to implement new applications, processes and technology advantageous to the needs of the Buyer, and
- Meet with the relevant Buyer personnel periodically, at least once every twelve (12) months, or more frequently as the Buyer may request, to inform the Buyer of any new applications, processes, technology, trends and directions which the Supplier are developing or is otherwise aware of that could reasonably be expected to have an impact on the Buyer's operations, or material aspects of the Service.

4.9 Standards

4.9.1 The supplier shall comply with the appropriate Standards (or equivalent) as updated and applicable for this DPS and for goods or services to be provided which shall include but not be limited to:

- European [accessibility standard EN 301 549](#) where the call off contract includes websites and/or mobile applications as components of the solution to be provided

Service Management Standards:

- BS EN ISO 9001 "Quality Management System" Standard or equivalent.
- ISO 10007 "Quality Management Systems – guidelines for configuration management".

Environmental Standards:

- BS EN ISO 14001 Environmental Management System standard or equivalent.

Accessible IT Standards:

- World Wide Web Consortium (W3C) Web Accessibility Initiative (WAI) Web Content Accessibility Guidelines (WCAG) 2.1 Conformance Level AA
- ISO/IEC 13066-1:2011 Information Technology - Interoperability with assistive technology (AT) – Part 1: requirements and recommendations for interoperability.

Information Technology Standards:

<https://www.gov.uk/government/publications/open-standards-principles>

<https://www.gov.uk/guidance/government-design-principles>

<https://www.gov.uk/service-manual/service-standard>

<https://www.gov.uk/government/publications/greening-government-ict-strategy>

<https://www.gov.uk/government/publications/open-source-open-standardsand-reuse-government-action-plan>

- ISO 27001 Information Security Management standard or equivalent.
- ETSI TS 103 645 Cyber Security for Consumer Internet of Things Architecture Standards
- ISO 27001 Information Security Management standard or equivalent.

- European [accessibility standard EN 301 549](#) where the call off contract includes websites and/or mobile applications as components of the solution to be provided

4.9.2 As relevant to the solution to be provided, the supplier shall support Buyers;

- through successful Service Standard assessments - <https://www.gov.uk/service-manual/digital-by-default>
- to develop Services based on Open Standards Principles and accessible data protocols, to ensure they are interoperable - <https://www.gov.uk/government/publications/open-standards-principles/open-standards-principles>
- to comply with any adopted open standards that are compulsory in government as described at the following link: <http://standards.data.gov.uk/challenges/adopted>

4.9.3 Public sector bodies should identify and consider further relevant guidelines or standards for the specific area of technology required for Order Contracts let under this DPS.

4.9.4 New standards may be published during the life of the DPS and it is essential that the Supplier keeps abreast of such developments in their product or service area in order to ensure compliance.

4.10 Security

4.10.1 The Supplier shall be required to have their own security operating procedures that shall be made available to the Buyer.

4.10.2 The Supplier shall ensure appropriate security Standards, controls and measures in place such as access to premises.

4.10.3 The Supplier shall ensure that any suspected or actual security breaches are reported to the Buyer representative immediately.

4.10.4 The Supplier shall provide details of their personnel security procedures and upon request provide details of all personnel that they intend to use in the delivery of the Services.

4.11 Vetting of Supplier Staff

4.11.1 Clause 7.1 of the Core Terms notwithstanding, the Supplier shall ensure that all Supplier Staff vetting procedures, under individual Order Contracts comply with the British Standard, Security Screening of Individuals Employed in a Security Environment – BS 7858:2012 or agreed equivalent, unless otherwise specified by Buyers.

4.11.2 The Supplier shall, where applicable, provide details of its Supplier Staff security procedures to Buyers and contact details of all Supplier Staff who will be involved in the delivery of the Services, when requested by Buyers.

4.11.3 The Supplier will ensure that all Subcontractors are vetted to comply with the British Standard, Security Screening of individuals.

4.11.4 To standardise the application of expertise, SFIA definitions will be used. See Annex 1 of this document for further details.

4.12 Knowledge Transfer

- 4.12.1 The Supplier shall implement a knowledge transfer process for use both throughout the Contract and prior to DPS Expiry Date and/or termination of the agreement to ensure the Supplier Staff share the knowledge they have gained and used while performing the Services with the Buyer. The knowledge transfer process shall ensure that important knowledge, information, and practices pass from the Supplier and Supplier Staff to the Buyer.
- 4.12.2 At a minimum, such knowledge transfer processes will include Supplier meeting with the Buyer personnel and at least once every twelve (12) months, or more frequently as the Buyer may request, to;
- explain how the Services are provided; and
 - provide such knowledge transfer, Documentation and other materials as requested to understand and provide the Services after the expiration and/or termination of the agreement.

4.13 Environmental

- 4.13.1 The Supplier shall ensure that all Electric and Electronic Equipment (EEE) provided in association with the delivery of the Goods and/or Services, is compliant with Restriction of Hazardous Substances (RoHs), Regulations and the UK Waste Electrical and Electronic Equipment (WEEE) Regulations, where appropriate, including Producer Compliance Scheme registration. Full details can be accessed via the following links:
<https://www.gov.uk/guidance/rohs-compliance-and-guidance>
<http://www.hse.gov.uk/waste/waste-electrical.htm>
- 4.13.2 The Supplier shall, where applicable, effectively manage the Services supplied under this DPS Contract, in order to minimise any impact on the environment.
- 4.13.3 The Supplier shall, where applicable, work proactively with Buyers in relation to the provision of Services, which includes but is not limited to, the following areas:
- noise reduction;
 - removal of unwanted consumables;
 - heat production reduction in confined spaces.
- 4.13.4 The Supplier shall be responsible, where applicable, for the collection and disposal of all packaging, materials and redundant or replacement spare parts in accordance with WEEE Regulations which can be accessed via the following link:
<http://www.legislation.gov.uk/ukxi/2013/3113/contents/made>
- 4.13.5 The Supplier shall, where applicable, take steps to encourage the reuse of any WEEE generated in the delivery of Services as promoted by the WEEE Directive.
- 4.13.6 The Supplier shall demonstrate their full re-use or recycling streams upon request from Buyers.

4.14 Sustainability

- 4.14.1 The Supplier shall, where requested by Buyers, work with them to identify opportunities to introduce innovation, reduce cost and waste and ensure sustainable development is at the heart of their operations.
- 4.14.2 The Supplier shall ensure that they consider the relevance of sustainability at all lifecycle stages of the Deliverables provided under this DPS Contract including minimisation of negative impacts and the maximisation of positive impacts on society and the environment.
- 4.14.3 The Supplier shall, where applicable, ensure that in providing the Deliverables it does so in such a manner as to minimise any negative impact on the environment.

4.15 Carbon Net Zero and Carbon Reduction

- 4.15.1 The UK Government amended the Climate Change Act 2008¹ in 2019 by introducing a target of at least a 100% reduction in the net UK carbon account (i.e. reduction of greenhouse gas emissions, compared to 1990 levels) by 2050. The Climate Change Act 2008: can be accessed at:
www.legislation.gov.uk/ukpga/2008/27/contents
- 4.15.2 As part of assessing a supplier's technical and professional ability, PPN 06/21 requires that In-Scope Organisations should include, as a selection criterion, a requirement for bidding suppliers to provide a Carbon Reduction Plan confirming the supplier's commitment to achieving Net Zero by 2050 in the UK, and setting out the environmental management measures that they have in place and which will be in effect and utilised during the performance of the contract.
- 4.15.3 As such, suppliers shall confirm that they have detailed their environmental management measures by completing a Carbon Reduction Plan to the required standard.
- 4.15.4 Templates for a carbon reduction plan, along with guidance on the standards applicable and guidance for public sector organisations on the scope and application, can be found at:
[Procurement Policy Note 6/21](#)

4.16 Modern Slavery

- 4.16.1 The impact of modern slavery on this agreement has been considered.
- 4.16.2 The supply of most services within this sector is amongst the lowest areas of risk for Modern Slavery in supply chains. This is due to the high skilled nature of the workforce, which is largely recognised as a very low area of risk for human trafficking and modern slavery.
- 4.16.3 However, much of the hardware and components required by any technology sector business, including suppliers providing commercial hardware and platforms under this DPS, may be at higher risk as is common in technology supply chains.

- 4.16.4 This agreement is therefore rated overall as being of medium risk of modern slavery. Suppliers providing only professional services may be considered at low risk of modern slavery
- 4.16.5 A supplier applying to supply any service or product covered by any filter or sub-filter within Filter Column 2. Product/Service to be delivered OTHER THAN “Advisory, Consultancy, and Training” (and its relevant sub-filters) will have to commit to using the Modern Slavery Assessment Tool (MSAT) post contract including key sub-contractors. The MSAT can be accessed [here](#).
- 4.16.6 The MSAT will be monitored post award, the assessments and risk scores will be reviewed and any suppliers with a red score (0-19%), an orange score (20- 39%) or a yellow score (40-69%) will need to engage in discussions with CCS in which they will need to communicate how they will implement effective risk mitigation strategies to address modern slavery in their supply chains. Suppliers will be kept in regular contact and their progress with their Modern Slavery Assessment will be frequently reviewed.

Annex 1 Supplier Staff Roles for Professional Services

Introduction

This Annex provides information on the Roles for Supplier Staff providing Services under the various Service categories. It sets out the expected level and responsibilities associated with the Roles required to deliver the Services specified and includes guidance in the linkage to the Skills for the Information Age ([SFIA](#)) framework that is commonly used across the UK Central Government.

The broad definitions of the SFIA levels are as follows.

SFIA level	Competency level	Civil servant grade equivalent
7	Set strategy and inspire	Senior Civil Servant
6	Initiate and influence	Grade 6/ Grade 7
5	Ensure and advise	Grade 6/ SEO
4	Enable	SEO/HEO
3	Apply	HEO
2	Assist	EO
1	Follow	AO

In addition, where digital outcomes are required, specialist roles that are mapped to Government Digital Service [Digital Data and Technology \(DDat\)](#) roles may be required.