



# Mini Competition

**Mini Competition against an existing Framework Agreement (MC) on behalf of UK Space Agency (UKSA)**

**Subject UK SBS What a successful UK small satellite launch market could look like**

**Sourcing reference number FWRECR17101UKSA Lot 5**

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# Section 1 – About UK Shared Business Services

## Putting the business into shared services

UK Shared Business Services Ltd (UK SBS) brings a commercial attitude to the public sector; helping our customers improve efficiency, generate savings and modernise.

It is our vision to become the leading provider for our customers of shared business services in the UK public sector, continuously reducing cost and improving quality of business services for Government and the public sector.

Our broad range of expert services is shared by our customers. This allows our customers the freedom to focus resources on core activities; innovating and transforming their own organisations.

Core services include Procurement, Finance, Grants Admissions, Human Resources, Payroll, ISS, and Property Asset Management all underpinned by our Service Delivery and Contact Centre teams.

UK SBS is a people rather than task focused business. It's what makes us different to the traditional transactional shared services centre. What is more, being a not-for-profit organisation owned by its customers, UK SBS' goals are aligned with the public sector and delivering best value for the UK taxpayer.

UK Shared Business Services Ltd changed its name from RCUK Shared Services Centre Ltd in March 2013.

## Our Customers

Growing from a foundation of supporting the Research Councils, 2012/13 saw Business Innovation and Skills (BIS) transition their procurement to UK SBS and Crown Commercial Service (CCS – previously Government Procurement Service) agree a Memorandum of Understanding with UK SBS to deliver two major procurement categories (construction and research) across Government.

UK SBS currently manages £700m expenditure for its Customers.

Our Customers who have access to our services and Contracts are detailed [here](#).

## Section 2 – About Our Customer

### UK Space Agency (UKSA)

The Agency is responsible for all strategic decisions on the UK civil space programme and we provide a clear, single voice for UK space ambitions. The UK Space Agency is at the heart of UK efforts to explore and benefit from space. The UK's thriving space sector contributes £9.1 billion a year to the UK economy and directly employs 28,900 with an average growth rate of almost 7.5%.

Collaboration lies at the core of the UK Space Agency ethos and applies across Government as well as to external organisations including European and global partners such as the European Space Agency (ESA), the European Union, national space agencies and the United Nations.

The Agency provides funding for a range of programmes via programmes such as the National Space Technology Programme and FP7 and works closely with national and international academic, education and community partners.

#### **UK Space Agency achievements include:**

- Implementing Government £10m National Space Technology Programme to support the development of UK technology and services/applications using space data. The first four flagship programmes totalled £6m, matched by £5m from industry.
- The Climate and Environmental Monitoring from Space facilities at the International Space Innovation Centre, supported by £400,000 funding, will make satellite data available to space businesses and institutions, particularly those which do not have the infrastructure to exploit Earth observation data.
- Chaired and led the International Charter 'Space and Major Disasters', to task Earth observation satellites quickly to provide data following a major disaster

[www.BEIS.gov.uk/ukspaceagency](http://www.BEIS.gov.uk/ukspaceagency)

## Section 3 - Working with UK Shared Business Services Ltd.

In this section you will find details of your Procurement contact point and the timescales relating to this opportunity.

Section 3 – Contact details		
3.1	Customer Name and address	UK Space Agency, Polaris House, North Star Avenue, Swindon, Wiltshire. SN2 1FF
3.2	Buyer name	Liz Vincent
3.3	Buyer contact details	Research@uksbs.co.uk
3.4	Estimated value of the Opportunity	£25,000 excluding VAT
3.5	Process for the submission of clarifications and Bids	<p><b>All correspondence shall be submitted within the Emptoris e-sourcing tool. Guidance Notes to support the use of Emptoris is available <a href="#">here</a>.</b></p> <p><b>Please note submission of a Bid to any email address including the Buyer <u>will</u> result in the Bid <u>not</u> being considered.</b></p>

Section 3 - Timescales		
3.6	Date of Issue of Mini Competition to all Bidders	30/08/2017
3.7	Latest date/time Mini Competition clarification questions should be received through Emptoris messaging system	05/09/2017 14:00
3.8	Latest date/time Mini Competition clarification answers should be sent to all potential Bidders by the Buyer through Emptoris	07/09/2017
3.9	Latest date/time Mini Competition Bid shall be submitted through Emptoris	13/09/2017 14:00
3.10	Anticipated rejection of unsuccessful Bids date	19/09/2017
3.11	Anticipated Award Date	19/09/2017
3.12	Anticipated Call Off Contract Start	21/09/2017

	Date	
3.13	Anticipated Call Off Contract End Date	09/10/2017
3.14	Bid Validity Period	60 Working Days
3.15	Framework and Lot the procurement should be based on	BIS Research & Evaluation Framework CR150025 LOT 5

## Section 4 – Specification

### Background

1. The UK is seeking to establish commercial markets for small satellite launch and sub-orbital flight in the UK, responding to market forces which are likely to see demand peaking from 2020 onwards and a global market worth a potential £25bn over the next 20 years.
2. No such markets exist anywhere else in the world, and in order to develop a comprehensive and compelling roadmap to get to this position we need realistic, illustrative and coherent visions of what this future market might look like in the UK.
3. These visions will help inform our market strategy, shape stakeholder expectations about our level of ambition, drive up international interest in the UK and help us communicate our narrative to commercial and public audiences

### Aims and Objectives of the Project

#### **Aim**

Create compelling, credible and evidenced based projections of what a successful UK Launch market could look like.

#### **Objectives**

- Explore all the features of the UK small satellite launch market, its supporting elements and beneficiaries.
- Produce credible and compelling outputs which will be respected and promoted by domestic and international space sector organisations and create a rallying point for commercial and scientific ambition.
- Generate quantitative projections and metrics which can help inform government's evolving market development strategy and evaluation criteria.
- **Scenarios.** There should be three separate visions reflecting three different scenarios for UK small satellite launch demand: Low / Medium / High.
- **Timeframe.** The visions should explore the market outcomes in each scenario at three points in time: 2025 / 2030 / 2050.
- **Factors.** The visions should identify a broad range of factors which characterise a successful and functioning market, and then using forecasts of historical data sets and reasonable assumptions (to be agreed with the UK Space Agency), quantify these factors with metrics across the range of scenarios. Factors should be represented in data across the forecast period, with accompanying graphs.

- Factors should include (though not be limited to) the following categories and answer the following questions:
  - **Launches.** How many launches will take place every year? How many payloads will be launched? How many payloads will be Government funded/backed – how many will be delivering commercial services?
  - **Spaceports.** How many spaceports will there be? What launch infrastructure will they have? How many people will be working there? What kind of customer facilities will they have?
  - **Supply chain.** What will the supply and service chains look like? How many companies will be involved? What type of companies will they be? What sectors will they be from? Will they be new to the space sector? Will launch be a reliable source of income for them? Where will they be in the country? How much will they be able to export? What will supply chain exports look like? What countries will they export to? How much of launch vehicles will be developed in the UK?
  - **Jobs.** How many jobs will be created? What type of jobs will there be? Where will they be located? In what sectors? What educational level will be required? What skills will be required? – Name all the job roles required in a small satellite launch market?
  - **Downstream benefits.** What will the impact of a domestic launch capability be on the UK's downstream market? Will this grow around spaceports or in existing hubs?
  - **Science and innovation.** Will much new intellectual property could be created? Will new technology develop as a result? How will the UK science sector benefit? Will this drive investment in UK science?
  - **Strategic impact.** What strategic impacts will develop? Will there be strategic benefits? What will they be? Will there be strategic risks? Will the establishment of a Launch market benefit the UK's early adoption of future spaceflight technology?
  - **Economic.** What will the market turnover? Will it be profitable? By when? Will the market attract other investment?
  - **Spill over benefits.** What spill over benefits will there be? Where will they be? Who will benefit?
  - **Tourism and Public Impact.** How many tourists will visit spaceports? How many will watch launches? What benefits or impacts will this have on the local economy? What facilities will there be / need? What opportunities will there be for local businesses? How will the UK think about its space sector?



- **Institutional and service capability.** What institutional capability will have developed?
- **Global relationships.** Will any new global relationships, partnerships or associations result from a thriving UK launch market? Will any new trade bodies or associations exist?

### **Suggested Methodology**

Contractor must be able to demonstrate that they have the following expertise.

- Foresight / horizon scanning
- Space sector expertise, particularly on launch and commercial space
- Economics and impact assessment

This experience must be employed throughout the work (hence 4 involved in experimental design).

**Focus Groups** must involve a mix of expertise from across the spaceflight sector, with an appropriate range of skills to assess, test and challenge the outputs. – Final outputs must take into account the outcomes of the workshop.

**Telephone Interviews** qualitative interviews should be undertaken to assess, test and challenge the outputs. The number of interviews and focus group attendees should be balanced to allow for a range of expertise. This activity should build credibility in the final product.

For the purposes of price evaluation please provide costings for each objective detailed in the price schedule which will give the potential maximum value of the contract. On inception, we expect discussion around the number of participants, interviews and focus groups and anticipate there could be some fluctuation downwards following the initial bid estimate.

- Study of existing and comparable commercial markets to establish appropriate factors and metrics, using literature, quantitative and qualitative data.
- Forecast factors in UK context for a range of scenarios and time horizons as set out in objectives, and using a set of assumptions to be agreed with the UK Space Agency.
- Testing of forecasts with UK and global space sector experts, and those with unique insight into particular factors.
- Review of feedback from testing and drafting of outputs.

**Deliverables**

- An infographic describing the market in visual terms (such as a rich picture), which should be reproduced for each time point on the high demand scenario,
- A 1000 word narrative on medium and high demand scenarios at 2025, 2030 and 2050.
- A 10,000 word report which breaks down each aspect of the market on the medium scenario, at each time point, signposting variation with the low and high scenarios.

Infographics and graphs for each scenario, showing the forecast metrics.

## Section 5 – Evaluation of Bids

The evaluation model below shall be used for this Mini Competition, which will be determined to two decimal places.

Where a question is 'for information only' it will not be scored.

To maintain a high degree of rigour in the evaluation of your bid, a process of moderation will be undertaken to ensure consistency by all evaluators.

After moderation the scores will be finalised by performing a calculation to identify (at question level) the mean average of all evaluators (Example – a question is scored by three evaluators and judged as scoring 5, 5 and 6. These scores will be added together and divided by the number of evaluators to produce the final score of 5.33 ( $5+5+6=16 \div 3 = 5.33$ ))

Pass / fail criteria		
Questionnaire	Q No.	Question subject
Commercial	FOI1.1	Freedom of Information Exemptions
Commercial	AW1.1	Form of Bid
Commercial	AW1.3	Certificate of Bona Fide Bid
Commercial	AW1.4	Data Sharing
Commercial	AW4.2	Non Disclosure
Commercial	AW6.3	Cyber Essentials
Price	AW5.5	E Invoicing
Price	AW5.6	Implementation of E-Invoicing
Price	AW5.8	Maximum Budget
Quality	AW6.1	Compliance to the Specification
-	-	Invitation to Quote – received on time within e-sourcing tool

**The Response Question and Answer Document must be used by all tenderers to answer the PROJ (Quality Questions). This should then be uploaded as an attachment to PROJ1.1. This is the only document assessors will evaluate; any other method used by bidders to answer questions will not be evaluated. Scoring shall be based on 0-100 scoring methodology (as outlined below). Each question has a page limit and this should be adhered to. Any additional content provided beyond this will not be considered or scored during the evaluation process**

## Scoring criteria

### Evaluation Justification Statement

In consideration of this particular requirement UK SBS has decided to evaluate Potential Providers by adopting the weightings/scoring mechanism detailed within this Mini Competition. UK SBS considers these weightings to be in line with existing best practice for a requirement of this type.

Questionnaire	Q No.	Question subject	Maximum Marks
Price	AW5.2	Price	20%
Quality	PROJ1.1	Approach	40%
Quality	PROJ1.2	Staff to Deliver	10%
Quality	PROJ1.3	Understanding the Environment	20%
Quality	PROJ1.4	Project Plan and Timescales	10%

## Evaluation of criteria

### Non-Price elements

Each question will be judged on a score from 0 to 100, which shall be subjected to a multiplier to reflect the percentage of the evaluation criteria allocated to that question.

Where an evaluation criterion is worth 20% then the 0-100 score achieved will be multiplied by 20.

**Example** if a Bidder scores 60 from the available 100 points this will equate to 12% by using the following calculation: Score/Total Points available multiplied by 20 ( $60/100 \times 20 = 12$ )

Where an evaluation criterion is worth 10% then the 0-100 score achieved will be multiplied by 10.

**Example** if a Bidder scores 60 from the available 100 points this will equate to 6% by using the following calculation: Score/Total Points available multiplied by 10 ( $60/100 \times 10 = 6$ )

The same logic will be applied to groups of questions which equate to a single evaluation criterion.

The 0-100 score shall be based on (unless otherwise stated within the question):

0	The Question is not answered or the response is completely unacceptable.
10	Extremely poor response – they have completely missed the point of the question.
20	Very poor response and not wholly acceptable. Requires major revision to the response to make it acceptable. Only partially answers the requirement, with major deficiencies and little relevant detail proposed.

40	Poor response only partially satisfying the selection question requirements with deficiencies apparent. Some useful evidence provided but response falls well short of expectations. Low probability of being a capable supplier.
60	Response is acceptable but remains basic and could have been expanded upon. Response is sufficient but does not inspire.
80	Good response which describes their capabilities in detail which provides high levels of assurance consistent with a quality provider. The response includes a full description of techniques and measurements currently employed.
100	Response is exceptional and clearly demonstrates they are capable of meeting the requirement. No significant weaknesses noted. The response is compelling in its description of techniques and measurements currently employed, providing full assurance consistent with a quality provider.

All questions will be scored based on the above mechanism. Please be aware that the final score returned may be different as there will be multiple evaluators and their individual scores after a moderation process will be averaged (mean) to determine your final score.

### Example

Evaluator 1 scored your bid as 60

Evaluator 2 scored your bid as 60

Evaluator 3 scored your bid as 50

Evaluator 4 scored your bid as 50

Your final score will  $(60+60+50+50) \div 4 = 55$

### Price elements will be judged on the following criteria.

The lowest price for a response which meets the pass criteria shall score 100. All other bids shall be scored on a pro rata basis in relation to the lowest price. The score is then subject to a multiplier to reflect the percentage value of the price criterion.

For example - Bid 1 £100,000 scores 100,  
 Bid 2 £120,000 differential of £20,000 or 20% remove 20% from price scores 80  
 Bid 3 £150,000 differential £50,000 remove 50% from price scores 50.  
 Bid 4 £175,000 differential £75,000 remove 75% from price scores 25.  
 Bid 5 £200,000 differential £100,000 remove 100% from price scores 0.  
 Bid 6 £300,000 differential £200,000 remove 100% from price scores 0.

Where the scoring criterion is worth 50% then the 0-100 score achieved will be multiplied by 50

In the example if a supplier scores 80 from the available 100 points this will equate to 40% by using the following calculation:  $\text{Score/Total Points} \times 50$  ( $80/100 \times 50 = 40$ )

The lowest score possible is 0 even if the price submitted is more than 100% greater than the lowest price.

## **Section 6 – Evaluation questionnaire**

Bidders should note that the evaluation questionnaire is located within the **e-sourcing questionnaire**.

Guidance on completion of the questionnaire is available at  
<http://www.ukpbs.co.uk/services/procure/Pages/supplier.aspx>

**PLEASE NOTE THE QUESTIONS ARE NOT NUMBERED SEQUENTIALLY**

## Section 7 – General Information

### What makes a good bid – some simple do's 😊

#### DO:

- 7.1 Do comply with Procurement document instructions. Failure to do so may lead to disqualification.
- 7.2 Do provide the Bid on time, and in the required format. Remember that the date/time given for a response is the last date that it can be accepted; we are legally bound to disqualify late submissions.
- 7.3 Do ensure you have read all the training materials to utilise e-sourcing tool prior to responding to this Bid. If you send your Bid by email or post it will be rejected.
- 7.4 Do use Microsoft Word, PowerPoint Excel 97-03 or compatible formats, or PDF unless agreed in writing by the Buyer. If you use another file format without our written permission we may reject your Bid.
- 7.5 Do ensure you utilise the Emptoris messaging system to raise any clarifications to our Mini Competition. You should note that typically we will release the answer to the question to all bidders and where we suspect the question contains confidential information we may modify the content of the question to protect the anonymity of the Bidder or their proposed solution
- 7.6 Do answer the question, it is not enough simply to cross-reference to a 'policy', web page or another part of your Bid, the evaluation team have limited time to assess bids and if they can't find the answer, they can't score it.
- 7.7 Do consider who your customer is and what they want – a generic answer does not necessarily meet every customer's needs.
- 7.8 Do reference your documents correctly, specifically where supporting documentation is requested e.g. referencing the question/s they apply to.
- 7.9 Do provide clear and concise contact details; telephone numbers, e-mails and fax details.
- 7.10 Do complete all questions in the questionnaire or we may reject your Bid.
- 7.11 Do check and recheck your Bid before dispatch.

## What makes a good bid – some simple do not's ☹

### DO NOT

- 7.12 Do not cut and paste from a previous document and forget to change the previous details such as the previous buyer's name.
- 7.13 Do not attach 'glossy' brochures that have not been requested, they will not be read unless we have asked for them. Only send what has been requested and only send supplementary information if we have offered the opportunity so to do.
- 7.14 Do not share the Procurement documents, they are confidential and should not be shared with anyone without the Buyers written permission.
- 7.15 Do not seek to influence the procurement process by requesting meetings or contacting UK SBS or the Customer to discuss your Bid. If your Bid requires clarification the Buyer will contact you.
- 7.16 Do not contact any UK SBS staff or Customer staff without the Buyers written permission or we may reject your Bid.
- 7.17 Do not collude to fix or adjust the price or withdraw your Bid with another Party as we will reject your Bid.
- 7.18 Do not offer UK SBS or Customer staff any inducement or we will reject your Bid.
- 7.19 Do not seek changes to the Bid after responses have been submitted and the deadline for Bids to be submitted has passed.
- 7.20 Do not cross reference answers to external websites or other parts of your Bid, the cross references and website links will not be considered.
- 7.21 Do not exceed word counts, the additional words will not be considered.
- 7.22 Do not make your Bid conditional on acceptance of your own Terms of Contract, as your Bid will be rejected.



## Some additional guidance notes

- 7.23 All enquiries with respect to access to the e-sourcing tool and problems with functionality within the tool may be submitted to Crown Commercial Service (CCS – previously Government Procurement Service), Telephone 0345 010 3503.
- 7.24 Bidders will be specifically advised where attachments are permissible to support a question response within the e-sourcing tool. Where they are not permissible any attachments submitted will not be considered.
- 7.25 Question numbering is not sequential and all questions which require submission are included in the Section 6 Evaluation Questionnaire.
- 7.26 Any Contract offered may not guarantee any volume of work or any exclusivity of supply.
- 7.27 We do not guarantee to award any Contract as a result of this procurement
- 7.28 All documents issued or received in relation to this procurement shall be the property of UK SBS.
- 7.29 We can amend any part of the procurement documents at any time prior to the latest date / time Bids shall be submitted through Emptoris.
- 7.30 If you are a Consortium you must provide details of the Consortiums structure.
- 7.31 Bidders will be expected to comply with the Freedom of Information Act 2000 or your Bid will be rejected.
- 7.32 Bidders should note the Government's transparency agenda requires your Bid and any Contract entered into to be published on a designated, publicly searchable web site. By submitting a response to this Mini Competition Bidders are agreeing that their Bid and Contract may be made public
- 7.33 Your bid will be valid for 60 days or your Bid will be rejected.
- 7.34 Bidders may only amend the Special terms if you can demonstrate there is a legal or statutory reason why you cannot accept them. If you request changes to the Contract and UK SBS fail to accept your legal or statutory reason is reasonably justified we may reject your Bid.
- 7.35 We will let you know the outcome of your Bid evaluation and where requested will provide a written debrief of the relative strengths and weaknesses of your Bid.
- 7.36 If you fail mandatory pass / fail criteria we will reject your Bid.
- 7.37 Bidders are required to use IE8, IE9, Chrome or Firefox in order to access the functionality of the Emptoris e-sourcing tool.

- 7.38 Bidders should note that if they are successful with their proposal UK SBS reserves the right to ask additional compliancy checks prior to the award of any Call Off Contract. In the event of a Bidder failing to meet one of the compliancy checks UK SBS may decline to proceed with the award of the Call Off Contract to the successful Bidder.
- 7.39 All timescales are set using a 24 hour clock and are based on British Summer Time or Greenwich Mean Time, depending on which applies at the point when Date and Time Bids shall be submitted through Emptoris
- 7.40 All Central Government Departments and their Executive Agencies and Non Departmental Public Bodies are subject to control and reporting within Government. In particular, they report to the Cabinet Office and HM Treasury for all expenditure. Further, the Cabinet Office has a cross-Government role delivering overall Government policy on public procurement - including ensuring value for money and related aspects of good procurement practice.

For these purposes, UK SBS may disclose within Government any of the Bidders documentation/information (including any that the Bidder considers to be confidential and/or commercially sensitive such as specific bid information) submitted by the Bidder to UK SBS during this Procurement. The information will not be disclosed outside Government. Bidders taking part in this Mini Competition consent to these terms as part of the competition process.

- 7.41 From 2nd April 2014 the Government is introducing its new Government Security Classifications (GSC) classification scheme to replace the current Government Protective Marking System (GPMS). A key aspect of this is the reduction in the number of security classifications used. All Bidders are encouraged to make themselves aware of the changes and identify any potential impacts in their Bid, as the protective marking and applicable protection of any material passed to, or generated by, you during the procurement process or pursuant to any Contract awarded to you as a result of this tender process will be subject to the new GSC from 2nd April 2014. The link below to the Gov.uk website provides information on the new GSC:

<https://www.gov.uk/government/publications/government-security-classifications>

UK SBS reserves the right to amend any security related term or condition of the draft contract accompanying this Mini Competition to reflect any changes introduced by the GSC. In particular where this Mini Competition is accompanied by any instructions on safeguarding classified information (e.g. a Security Aspects Letter) as a result of any changes stemming from the new GSC, whether in respect of the applicable protective marking scheme, specific protective markings given, the aspects to which any protective marking applies or otherwise. This may relate to the instructions on safeguarding classified information (e.g. a Security Aspects Letter) as they apply to the procurement as they apply to the procurement process and/or any contracts awarded to you as a result of the procurement process.

## USEFUL INFORMATION LINKS

- [Emptoris Training Guide](#)
- [Emptoris e-sourcing tool](#)
- [Contracts Finder](#)
- [Tenders Electronic Daily](#)

- [Equalities Act introduction](#)
- [Bribery Act introduction](#)
- [Freedom of information Act](#)