

# Serapis Tasking Form

## Tasking Form Part 1: *(to be completed by the Authority's Project Manager)*

<b>To:</b>	Lot 3 QinetiQ Plc	<b>From:</b>	The Authority
Any Task placed as a result of your quotation will be subject to the Terms and Conditions of Framework Agreement Number: LOT 3 DSTL/AGR/SERAPIS/DEC/01			
<b>VERSION CONTROL</b>			
Version control please ensure this is kept up to date			
<b>REQUIREMENT</b>			
<b>Proposal Required by:</b>	09/07/2021	<b>Task ID Number:</b>	D21
<b>The Authority Project Manager:</b>	[REDACTED]	<b>The Authority Technical Point of Contact:</b>	[REDACTED]
<b>Task Title:</b>	CUE/Sapient support		
<b>Required Start Date:</b>	01/06/2021	<b>Required End Date:</b>	31/11/2021
<b>Requisition No:</b>	1000165353	<b>Budget Range</b>	~£400k
<b>TASK DESCRIPTION AND SPECIFICATION</b>			
<b>Serapis Framework Lot</b>	<input type="checkbox"/> Lot 1: Collect <input type="checkbox"/> Lot 2: Space systems <input checked="" type="checkbox"/> Lot 3: Decide <input type="checkbox"/> Lot 4: Assured information infrastructure <input type="checkbox"/> Lot 5: Synthetic environment and simulation <input type="checkbox"/> Lot 6: Understand		
<b>Background</b>			
[REDACTED]			
<b>Summary</b>			
<p>The Authority requires technical support from <b>QinetiQ</b> (as middleware and test harness developer), <b>Cubica</b> (as High Level Decision Making Module (HLDMM) developer, and UGV integrator) and <b>Antillion</b> (as CUE2021 hardware and network support) for CUE 2021 and at pre-CUE testing during the summer of 2021. This support is expected to include the following general tasks:</p> <ol style="list-style-type: none"> <li>1. Hosting and presenting (in collaboration with Dstl) a virtual workshop [REDACTED]</li> <li>2. Set-up and configuration of ZPA at CUE, and pre-CUE testing</li> <li>3. Advice on experimental design, serial definition, sensor placement, and understanding ZPA output &amp; performance (Dstl to lead on customer/stakeholder presentation, with contractor support)</li> <li>4. Fault-finding and bug-fixing of ZPA (where practical and subject to agreement with the Authority)</li> <li>5. Advice on sensor SAPIENT compatibility with middleware/HLDMM, and sensor deployment</li> <li>6. Operation of ZPA at CUE and pre-CUE testing in collaboration with Dstl staff (emphasis on management and demonstration of ZPA as a system as a whole)</li> </ol>			

7. Data management (correct logging of data collected, backing up of data, etc)
8. Training of Dstl staff in the operation of ZPA and basic configuration and fault finding/fixing

[REDACTED]

#### **Project Objectives & Deliverables:**

Below are the objectives for each of the Dstl projects and what they are expecting contractors to deliver at CUE.

#### **Counter-UAS (C-UAS):**

The objectives for the C-UAS project at CUE are:

1. The test and evaluation of (SAPIENT compatible) C-UAS sensors (Supplied by Dstl)
2. Demonstration of C-UAS sensors to stakeholders

#### **FUSE:**

The objectives for the FUSE project at CUE are:

1. [REDACTED]
2. Demonstration of Unmanned Ground Vehicle (UGV) integration with ZPA
3. Quantitative assessment of sensor performance and fusion performance using ground truth collected at CUE (Dstl to conduct the data analysis for this task)
4. Training of Dstl staff enabling them to conduct basic set-up, configuration, operation, and fixing of ZPA
5. Demonstration of integration with sensors from other CUE participants
6. Demonstration of ZPA (SAPIENT) as a concept
7. Demonstration of the DIET as an experimental facility

#### **Future RADAR:**

The objectives for the Future RADAR project at CUE are:

1. Demonstration of the LIMPET (SAPIENT compatible) radars as low SWAP-C capability
2. Quantitative assessment of sensor performance – Probability of Detect, False Alarm Rate, Classification accuracy (Dstl to lead)
3. Qualitative demonstration of integration with other sensor systems

#### **SIEI:**

The objectives for the SIEI project at CUE are:

1. To demonstrate the integration of non-SAPIENT sensors with ZPA
2. To provide Common Operating Picture tools into CUE

[REDACTED]

#### **WP1 – SAPIENT Integration Workshop**

[REDACTED]

#### **WP2 – Shakedown Trial**

This Work Package is to provide SME support to the shakedown trial (5 days) – dates to be confirmed. The purpose of this activity is muster the equipment to be deployed to CUE, to test the equipment works and is configured correctly, and works correctly as system (only simple scenarios to be used to test system operation). It is not the intention to test new functionality at the shakedown event.

The activities required are

[REDACTED]

#### **WP 3 – CUE Experiment Support**

[REDACTED]

#### **Relation with existing activities and support**

[REDACTED]

**Deliverables:**

[REDACTED]

**Procurement Strategy**☐ Lot Lead to recommend☒ Single Source / Direct Award**Pricing:**☒ Firm Pricing☐ Ascertained Costs\*☐ Other\*

Firm Pricing shall be in accordance with DEFCON 127 and DEFCON 643

Ascertained Costs shall be in accordance with DEFCON 653 or DEFCON 802.

\*only at Authority's discretion

**Task IP Conditions**

<b>Task IP Conditions</b> (Follow the [REDACTED] guide to identify your information and IP requirements for each deliverable)	<b>Summary of the Authority's rights in foreground IP (IP generated by the supplier in performance of the contract)</b>
DEFCON 703 <input checked="" type="checkbox"/>	Vests ownership with the Authority
DEFCON 705 Full Rights <input checked="" type="checkbox"/>	Enables MOD to share in confidence as GFI or IRC under certain types of agreements. Can be shared in confidence within UK Government.
OTHER IP DEFCONS: 14* <input type="checkbox"/> , 15* <input type="checkbox"/> , 16* <input type="checkbox"/> , 90* <input type="checkbox"/> , 91* <input type="checkbox"/> , 126* <input type="checkbox"/>	Generally only suitable for deliverables at TRL 6 and above.
BESPOKE IP Clause <input type="checkbox"/> *	Details to be added and agreed by IP Group
* Do not use without IPG advice and approval	
<p><i>Please state in this text box if MOD or the customer has a requirement a) that one or more Other Government Departments is able to share confidentially with their own suppliers, b) to publish but you do not think there is a requirement to own or control the deliverable, or c) to share under a procurement* Memorandum of Understanding (MOU).</i></p> <p><i>If any of these three issues applies, please contact IPG for advice before completing this form. *Listing research MOUs is not required, but can be a helpful courtesy to the supplier.</i></p>	

**DELIVERABLES**

[REDACTED]

**DELIVERABLE: ACCEPTANCE / REJECTION CRITERIA**

Unless otherwise stated below, Standard Deliverable Acceptance / Rejection applies. This is 30 business days, in accordance with DEFCON 524 Rejection, and DEFCON 525 Acceptance.

**Standard Deliverable Acceptance / Rejection:-**Yes ☒ (DEFCON 524 Rejection, and DEFCON 525 Acceptance)No ☐ (if no, please state details of applicable criteria below)**Deliverable Acceptance / Rejection Criteria:-***If there are any other specific acceptance/rejection criteria you would like to apply to any of the deliverables, please state them here.***Government Furnished Assets (GFA)****ISSUE OF EQUIPMENT/RESOURCES/INFORMATION/FACILITIES** (if not applicable, delete table and insert "None" in this text box)

<u>Unique Identifier/ Serial No</u>	<u>Description</u>	<u>Classification</u>	<u>Type</u>	<u>Available Date</u>	<u>Issued by</u>	<u>Return or Disposal Date</u>	<u>Any restrictions?</u>
<i>Serial no</i>	<i>Description</i>	<i>Official-Sensitive</i>	<i>Equipment</i>	<i>00/00/0000</i>	<i>Issuer</i>	<i>00/00/0000</i>	<i>Include details here</i>

**QUALITY STANDARDS**

- ☐ **ISO9001** (Quality Management Systems)
- ☐ **ISO14001** (Environment Management Systems)
- ☐ **ISO12207** (Systems and software engineering — software life cycle)
- ☐ **TickITPlus** (Integrated approach to software and IT development)
- ☐ **Other:** (Please specify in free text below)

**SECURITY CLASSIFICATION OF THE WORK****The highest classification of this SOR**OFFICIAL ☐ OFFICIAL-SENSITIVE ☐ SECRET ☐ TOP SECRET ☐ STRAP ☐ SAP ☐**The highest expected classification of the work carried out by the contractor**OFFICIAL ☐ OFFICIAL-SENSITIVE ☐ SECRET ☐ TOP SECRET ☐ STRAP ☐ SAP ☐**The highest expected classification of Deliverables/Output**OFFICIAL ☐ OFFICIAL-SENSITIVE ☐ SECRET ☐ TOP SECRET ☐ STRAP ☐ SAP ☐**Is a Security Aspects Letter (SAL) required?** (A Security Aspects Letter (SAL) will be required for each Task above Official-Sensitive and above)Yes ☐ No ☐**TASK CYBER RISK ASSESSMENT. [REDACTED]**

Cyber Risk Level	[REDACTED]
Risk Assessment Reference	[REDACTED]

**ADDITIONAL TERMS AND CONDITIONS APPLICABLE TO THIS CONTRACT**

**Please ensure all completed forms are copied to [REDACTED]**

## Tasking Form Part 2: *(To be completed by the Lot Lead)*

To: The Authority	From: The Lot Lead
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**Proposal Reference**    [REDACTED]    **(attached)**

**Delivery of the requirement:**

**The proposal shall include, but not be limited to:**

- A full technical proposal that meets the individual activities that are detailed in Statement of Requirements (Part 1 to Tasking Form).
- Breakdown of individual Deliverables, with corresponding Intellectual Property rights applied.
- Breakdown of Interim Milestone Payments, with corresponding due dates.
- A work breakdown structure/project plan with key dates and deliverables identified.
- A list of required Government Furnished Assets from the Authority, including required delivery dates.
- A clear identification of Dependencies, Assumptions, Risks and Exclusions which underpin your Technical Proposal.
- Sub-Contractors Personnel Particulars Research Worker Form and security clearances (if applicable)

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**COMMERCIAL**

[REDACTED]

**Special Conditions**

[REDACTED]

**PRICE BREAKDOWN**

*Please refer to the breakdown.*

**The core price for Work packages 1,2 and 3 is £606,577** (six hundred and six thousand, five hundred and seventy-seven pounds) ex VAT.

N.B. As requested the scope of support has been significantly reduced in order to cater for these cost efficiencies.

**The optional Limit of Liability price is £45,599.37** (forty-five thousand, five hundred and ninety-nine pounds and 37 pence).

This is for additional manpower support for the Integration Trials and CUE21, and any other necessary activities, for example any HAM rework costs.

[REDACTED]

**An optional price for hosting the shakedown trial has not been included.**

**A WP4 optional price has not been included.**

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**Offer of Contract:** *(to be completed and signed by the Contractor's Commercial or Contract Manager)*

<b>Total Proposal Price in £</b>	See above	(ex VAT)
<b>Start Date:</b>	19/07/21	<b>End Date:</b> 31/12/21
<b>Lot Leads Representative</b>	Name	[REDACTED]
	Tel	[REDACTED]

	Email	[REDACTED]
	Date	[REDACTED]
<b>Position in Company</b>	[REDACTED]	
<b>Signature</b>	[REDACTED]	

## **Core Work WP1, 2 and 3 (reduced support) – Breakdown**

[REDACTED]

### **Core Work – Milestone breakdown costs**

#### **Proposed Milestones Payments**

[REDACTED]



### **Options – Summary**

**LOL Option For Additional Manpower support for the Integration Trial and CUE21 and any necessary activities e.g. HAM rework price and PTZ Cubica Camera Hire**

[REDACTED]

## **Optional Work – Milestone breakdown costs**

### **Proposed Milestones Payments**

[REDACTED]

## **Tasking Form Part 3:**

*To be completed by the Authority's Commercial Officer and copied to the Authority's Project Manager.*

<b>1. Acceptance of Contract:</b>		
<b>Authority's Commercial Officer</b>	Name	[REDACTED]
	Tel	[REDACTED]
	Email	[REDACTED]
	Date	30/07/2021
<b>Requisition Number</b>		[REDACTED]
<b>Contractor's Proposal Number</b>		[REDACTED]
<b>Purchase Order Number</b>		[REDACTED]
<b>Signature</b>		[REDACTED]
<i>Please Note: Task authorisation to be issued by the Authority's Commercial Officer or Contract Manager. Any work carried out prior to authorisation is at the Contractor's own risk.</i>		