

Serapis Tasking Form

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

| | | | |
|---|---|--|---------------|
| To: | Lot 6 Frazer-Nash Consultancy Ltd | From: | The Authority |
| Any Task placed as a result of your quotation will be subject to the Terms and Conditions of Framework Agreement Number: LOT 6 DSTL/AGR/SERAPIS/UND/01 | | | |
| VERSION CONTROL | | | |
| 2 | | | |
| REQUIREMENT | | | |
| Proposal Required by: | 06/08/2021 | Task ID Number: | U47 |
| The Authority Project Manager: | [REDACTED] | The Authority Technical Point of Contact: | [REDACTED] |
| Task Title: | [REDACTED] | | |
| Required Start Date: | 16/08/2021 | Required End Date: | 30/11/2021 |
| Requisition No: | [REDACTED] | Budget Range | [REDACTED] |
| TASK DESCRIPTION AND SPECIFICATION | | | |
| Serapis Framework Lot | <input type="checkbox"/> Lot 1: Collect <input type="checkbox"/> Lot 2: Space systems <input type="checkbox"/> Lot 3: Decide <input type="checkbox"/> Lot 4: Assured information infrastructure <input type="checkbox"/> Lot 5: Synthetic environment and simulation <input checked="" type="checkbox"/> Lot 6: Understand | | |
| <p>Statement of Requirements (SOR)</p> <p>Image segmentation - the classification of pixels in an image as belonging to a certain class - is a deep-learning-based technique important for such technologies as autonomous vehicles (where multiple objects and their locations must be identified). Image segmentation can be split into two types: semantic segmentation classifies all pixels in an image as belonging to a certain class, and can produce a mask highlighting these areas; and instance segmentation classifies instances of a class separately (for example, cars on the road may be classified as car1, car2, etc.).</p> <p>Due to the increasing use of autonomy technologies in both self-driving cars and other autonomous systems, it is important that the vulnerabilities of the underlying Deep Neural Network (DNN) algorithms to adversarial attacks are well understood. Attacks against standard image classification DNNs have been well-studied (see, e.g., Foolbox1), but there are far fewer studies of image segmentation attacks2.</p> <p>[REDACTED]</p> | | | |
| Procurement Strategy | | | |
| <input checked="" type="checkbox"/> Lot Lead to recommend <input type="checkbox"/> 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

| Task IP Conditions (Follow the [REDACTED] guide to identify your information and IP requirements for each deliverable) | Summary of the Authority’s rights in foreground IP (IP generated by the supplier in performance of the contract) |
|--|--|
| DEFCON 703 <input 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 | |
| <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> <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> | |

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> |
|------------------------------------|--------------------|-----------------------|-------------|-----------------------|------------------|--------------------------------|--------------------------|
| Serial no | Description | Official-Sensitive | Equipment | 00/00/0000 | Issuer | 00/00/0000 | Include details here |
| | | | | | | | |
| | | | | | | | |

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.

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

ADDITIONAL TERMS AND CONDITIONS APPLICABLE TO THIS CONTRACT

[REDACTED]

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

| | | | |
|--|------------|--------------------|------------|
| To: The Authority | | From: The Lot Lead | |
| Proposal Reference [REDACTED] | | | |
| Delivery of the requirement: The proposal <u>shall</u> include, but not be limited to: <ul style="list-style-type: none"> • 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) | | | |
| PRICE BREAKDOWN <i>You are to use the costs detailed in Item 2 Table I in the Schedule of Requirement and at Annex E Table 2 of the Serapis Framework Agreement. Please also provide a price breakdown which should include, but is not limited to: Lot Lead Rates, Sub-contractors costs and rates, travel and subsistence. In support of your Proposal you are requested to provide clear details of all Dependencies, Assumptions, Risks and Exclusions that underpin your price.</i> | | | |
| Offer of Contract: <i>(to be completed and signed by the Contractor's Commercial or Contract Manager)</i> | | | |
| Total Proposal Price in £ | £81,909.45 | | (ex VAT) |
| Start Date: | 01/09/2021 | End Date: | 04/02/2022 |
| Lot Leads Representative | Name | [REDACTED] | |
| | Tel | [REDACTED] | |
| | Email | [REDACTED] | |
| | Date | [REDACTED] | |
| Position in Company | [REDACTED] | | |
| Signature | [REDACTED] | | |

Core Work – Breakdown

[REDACTED]

Core Work – Milestone breakdown costs

Proposed Milestones Payments

Your TMS bid costs shall be included in milestone 1.

The final Milestone must reflect the actual cost of the deliverable, and be greater than 20% of the Task value, unless otherwise agreed with your Commercial POC

Please duplicate the template per milestone table format below as necessary, and rename milestone number accordingly.

[REDACTED]

Tasking Form Part 3:

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

| 1. Acceptance of Contract: | | |
|---|-------|------------|
| Authority's Commercial Officer | Name | [REDACTED] |
| | Tel | [REDACTED] |
| | Email | [REDACTED] |
| | Date | [REDACTED] |
| Requisition Number | | [REDACTED] |
| Contractor's Proposal Number | | [REDACTED] |
| Purchase Order Number | | [REDACTED] |
| Signature | | [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> | | |