

Serapis Tasking Form

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

To:	Lot 3 QinetiQ Plc	From:	The Authority, Dstl.
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			
VERSION CONTROL			
REV1 09/09/2021			
REQUIREMENT			
Proposal Required by:	[26/04/2022]	Task ID Number:	DAIIU33
The Authority Project Manager:	[REDACTED]	The Authority Technical Point of Contact:	[Steve helsdon] [SFHelsdon@dstl.gov.uk] [01980 956661] [REDACTED]
Task Title:	[DAIIU33 Machine Speed C2 Vision & Integration]		
Required Start Date:	[02/05/2022]	Required End Date:	[31/03/2023]
Requisition No:	RQ0000008183	Budget Range	£1M FY 22/23; £1.2M FY 23/24; £0.6M FY 24/25
TASK DESCRIPTION AND SPECIFICATION			
Serapis Framework Lot	<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		
Statement of Requirements (SOR)			
<u>Background</u> The aim of the Machine Speed C2 (MSC2) is to exploit a wide range of Generation-after-Next Artificial Intelligence (AI) & Machine Learning (ML) technologies based on a scalable & adaptable data architecture to significantly enhance C2 activities & enable deployed & other Headquarters to anticipate & adapt faster than adversaries. There are five Work Packages (WP), with WP0 being the Project Management. <ul style="list-style-type: none"> <u>WP1 – AI for C2:</u> This work package will focus on the application of Artificial Intelligence (AI) to C2 tasks, which will enable the acceleration of the use of C2, as well as freeing up human capital to enable 			

the users to focus on tasks that require human ingenuity. The work package will look to accelerate existing AI techniques into the C2 domain to support analysts as soon as possible, as well as launching work on novel AI models that can make a greater change in the future.

- WP2 – Enabling Architecture: This work package will design, development and demonstrate a C2 data architecture that will enable the future use of AI whilst being evergreen, modular and open in nature. Establish data and architectural requirements for the use of AI and understanding how the C2 data enterprise will need to change to meet its strategic goals.
- WP3 – C2 transformation: Previous C2 research indicates that there are numerous areas of C2 where data science and AI/ML could play a key role in delivering a step change in C2 effectiveness. The purpose of this WP will be to explore, through concept development, maturation and experimentation the art of the possible in these two areas.
 - In enabling specialised C2 functions to run at machine speed, enabling time critical responses to be made operationally.
 - In undertaking generic C2 tasks to release human capital within a HQ, such as analysis, sensemaking, planning and decision-making.
- WP4 - Vision and Integration: - This work package will focus on bringing together and guiding the work from the three core themes of AI, Data Architecture and C2 transformation, while simultaneously supporting wider coherence and key enablers for the projects work. These will ultimately need to come together coherently to deliver the overall outcome within the mandate.

This SoR will be coordinated through WP4 Vision and Integration and has a broad cross-project scope.

Scope of Work

[REDACTED][REDACTED] [REDACTED]We desire a relationship with our industry partners based on mutual trust and respect. We wish to work with you as a single joint team where we are all comfortable sharing challenges and issues with one another as we deliver the MSC2 project in what may sometimes be challenging and uncertain circumstances. Some flexibility will be important in what and how we deliver. Although we expect long-term continuity in many of the supplied roles, we may need some flexibility in what those roles do and we envisage agreeing this on a case-by-case basis.

[REDACTED]. We anticipate your support across the hierarchy of the project. This will include support to the overarching technical leadership of the project,[REDACTED]. We also envisage support at the WP-lead level such as high level planning or coordination of WP activities, as well as support to the development of new requirements. Finally, we also envisage support to individual activities within Work Packages including assurance, review and guidance to specific lines of activity. At times, it may include limited direct technical delivery activity within a WP.[REDACTED].

[REDACTED].Those industry individuals should be focused on the goals of this contract, but also on those of the MSC2 project as a whole. In particular, we desire those two industry roles to act as a proactive driving function in support of the technical direction, priorities and goals for the project.

As well as the leadership roles above, we would expect a number of other individuals to support the project. That set of individuals will have expertise across the set of MSC2 project activities, including AI, Data Architecture and C2. Those people will support activities under those broad headings as well as other activities including project coherence (internal & wider), scoping, use cases, enabling capabilities, stakeholder engagement, exploitation, technical partnering, benefits realisation, capability development and project assurance.

[REDACTED]. The industry support team will support and/or lead the shaping, management and assurance of the requirements and their delivery.

Another purpose of the industry team will be to ensure that the vision for the overall MSC2 programme is clear and understood by each WP and that activities in each WP are co-ordinated and together build towards the common goal. Below is an initial vision of how the elements fit together which has been discussed during early planning for FY22 onwards.[REDACTED].

The industry team will take a driving role in ensuring that interfaces between WPs are clearly defined, agreed and delivered. In particular, as SORs are defined in each WP, it will be essential that inputs, outputs and dependencies on other WPs are reviewed and agreed by members of the team before issue.[REDACTED].

Anticipated activities are not limited to but are expected to include:

- Organise and host regular meetings to discuss progress and issues. This can be a mix of physical and virtual meetings
- Identification and agreement of new tasks to be undertaken and develop tasking forms for contract placement
- Identification of and proposal of strategies to deal with gaps, opportunities and risks
- Produce an ongoing plan for work to be undertaken through the life of the MSC2 project
- Planning of future demonstration activities
- Where tasks are related, e.g.[REDACTED], this task will provide a lead to ensure coherence between the tasks which have been contracted separately
- Provide Technical Partners to monitor, assess, and support individual contracts under the MSC2 project. [REDACTED].
- Provision of a mechanism for sharing information between Dstl and Industry [REDACTED]
- Co-ordination of IRC engagement, and possibly limited engagement in IRC activities.
- Ensure coherence between related, non-MSC2 specific, projects
- Briefings and other project communication activities
- Support production of key project outputs (e.g. Plans; Annual Reports; demonstration plans)

Finally, we desire this support to last for the duration of the MSC2 project and as such, we desire this project to run through from April 22 to March 25 as indicated in the budget range earlier.

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

Task IP Conditions (Follow the NIPPY 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 checked="" type="checkbox"/>	Vests ownership with the Authority
DEFCON 705 Full Rights <input 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>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).</p> <p>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.</p>	

DELIVERABLES

Ref	Title	Due by	Format	TRL	Expected classification (subject to change)	Information required in deliverable	IPR DEFCON
D-1	Quarterly Progress and Technical Review (QPTR 1)	T0+3 Months	Presentation (.pptx)		[REDACTED]	Presentation pack to include but not limited to: <ul style="list-style-type: none"> • Update on technical progress • Progress report against project schedule. • Review of risk management plan. • Commercial aspects. • Review of deliverables. • Risks/issues. • GFA and supplier performance 	703

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	[REDACTED]	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)☒ [REDACTED]**TASK CYBER RISK ASSESSMENT.** (In accordance with [DEF STAN 05-138](#) and the [Risk Assessment Workflow](#))

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

ADDITIONAL TERMS AND CONDITIONS APPLICABLE TO THIS CONTRACT

Please ensure all completed forms are copied to DSTLSERAPIS@dstl.gov.uk when sending to the Lot Lead.

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

To: The Authority		From: The Lot Lead	
Proposal Reference		Serapis Task DAIU33 : Machine Speed C2 Vision and Integration, v1.1 dated 06/05/22 (attached)	
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 1 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> [REDACTED]			
Offer of Contract: <i>(to be completed and signed by the Contractor's Commercial or Contract Manager)</i>			
Total Proposal Price in £	Total Price of £2,799,997.93 (Two Million, Seven Hundred and Ninety Nine Thousand, Nine Hundred and Ninety Seven Pounds and Ninety Three Pence) broken down as follows: <ul style="list-style-type: none"> [REDACTED] 		(ex VAT)
Start Date:	09/05/2022	End Date:	31/03/2025
Lot Leads Representative	Name	[REDACTED]	
	Tel	[REDACTED]	
	Email	[REDACTED]	
	Date	[REDACTED]	
Position in Company	Commercial IDT Lead for Research & Innovation		
Signature	[REDACTED]		

FY22/23 Core Management – Breakdown

[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

FY22/23 – 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]

[REDACTED]

[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	08/06/22
Requisition Number		RQ0000008183
Contractor's Proposal Number		Serapis Task DAIU33 : Machine Speed C2 Vision and Integration
Purchase Order Number		DSTL0000004346
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>		