RCloud Tasking Form – Part B: Statement of Requirement (SoR)

Title of Requirement	Autonomous Decision Making Development - NETDAD phase 3
Requisition No.	**1000168829**
SoR Version	**0.2**

1.	**Statement of Requirements**
1.1	**Summary and Background Information**
	Summary Dstl requires research to identify relevant approaches for Redacted under Military sensitive technical information exemption Previous work developed a concept for an architecture to support Redacted under Military sensitive technical information exemption The aim of this research is to further develop and de-risk NETDAD. This will be achieved by assessment of the proposed concept against representative scenarios, and evaluation of remaining technical risks to establish the viability of such a concept. The output will be a report on task findings making particular reference to any remaining technical risks, maturity of enabling technologies and confidence in the feasibility of a future operational capability. Where appropriate this should be accompanied by recommended actions to further de-risk and mature relevant technologies. **Background** Current approaches to Redacted under Military sensitive technical information exemption Through a competitive process, University of Warwick, Warwick Manufacturing Group (WMG), was contracted under DSTLX-1000120503 to develop a means to implement this concept over three phases. Warwick developed Redacted under Military sensitive technical information exemption Redacted under Military sensitive technical information exemption This was demonstrated at TRL 4 using a real-time model executed on a testbed of networked embedded single board computers, using university–defined Redacted under Military sensitive technical information exemption These demonstrations showed that Redacted under Military sensitive technical information exemption
1.2	**Requirement**

This work-package should aim to build on the work of the previous phases of research, to further develop and de-risk the NETDAD concept. Areas of research should include:

- o Review and optimise the Redacted under Military sensitive technical information exemption This should consider alternate architectural approaches that could also have relevance.

- o Assess the impact of Redacted under Military sensitive technical information exemption

- o Investigate, with justification, the value of Redacted under Military sensitive technical information exemption

- o Evaluate remaining technical risks. Investigate the technologies required for Redacted under Military sensitive technical information exemption

  This should include, but is not limited to:

    - o Redacted under Military sensitive technical information exemption

    - o Feasibility of Redacted under Military sensitive technical information exemption

    - o Requirements for storage and transfer of data. Identify the data and information requirements Redacted under Military sensitive technical information exemption

A study into the value and feasibility of the Redacted under Military sensitive technical information exemption

The final report should review task findings, making particular reference to any remaining technical risks, maturity of enabling technologies and confidence in Redacted under Military sensitive technical information exemption

Additionally up to 10 days of consultancy effort will be required to provide Redacted under Military sensitive technical information exemption. The 10 days to be used with agreement of the Dstl project team and charged as time and materials up to a maximum limit of liability.

1.3	**Options or follow on work** *(if none, write 'Not applicable')*
	Not Applicable
1.4	**Contract Management Activities**
	Monthly reports by email Fortnightly technical discussions by phone End of FY will need 3rd party accrual statement by end Feb 2021
1.5	**Health & Safety, Environmental, Social, Ethical, Regulatory or Legislative aspects of the requirement**

	No significant aspects

1.6	Deliverables & Intellectual Property Rights (IPR)					
Ref.	**Title**	**Due by**	**Format**	**Expected classification** (subject to change)	**What information is required in the deliverable**	**IPR Condition**
D1	Kick off meeting - Presentation of initial findings and confirm project direction	T0 + 1 month	Short report with presentation pack	Redacted under Military sensitive technical information exemption	Meeting to discuss progress to-date and review proposed approach for remaining contract term.	DEFCON 705 Full Rights
D2	Mid-point progress report	T0 + 3 months	Face to face and/or teleconference with supporting slide pack.	Redacted under Military sensitive technical information exemption	Meeting to discuss progress to-date and review proposed approach for remaining contract term.	DEFCON 705 Full Rights
D3	Final presentation	T0 + 6 months	Face to face and/or teleconference with supporting slide pack.	Redacted under Military sensitive technical information exemption	Meeting to discuss conclusions and recommendations reported at D?, plus any additional Dstl feedback.	DEFCON 705 Full Rights
D4	Final report	T0 + 6 months	Softcopy. Adobe PDF	Redacted under Military sensitive technical information exemption	Up-issued final report incorporating any changes notified at the final presentation meeting D3	DEFCON 705 Full Rights

D5	Consultancy	T0 + 6 months	Face to face and/or teleconference	Redacted under Military sensitive technical information exemption	Up to 10 days consultancy, to be used with agreement of the Dstl project team and charged as time and materials up to a maximum limit of liability	DEFCON 705 Full Rights

1.7	**Deliverable Acceptance Criteria**
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2	**Evaluation Criteria**
2.1	Method Explanation
	Non-competitive,. based on whether requirements are met and value for money
2.2	Technical Evaluation Criteria
	A clear, robust and concise technical plan detailing how the requirement will be met, demonstrating value for money.
2.3	Commercial Evaluation Criteria
	- No limiting IP issues. Any background IP claims must be specified in the proposal. - Complies with RCloud T&Cs - Costs do not exceed £300k