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

Title of Requirement	Active detection concept study
Requisition No.	1000164426
SoR Version	0.1

1.	Statement of Requirements
1.1	**Summary and Background Information**

A new urgent capability requirement (UCR) has emerged, and Commercial Off the Shelf (COTS) solutions are being assessed in response to this requirement, however it is recognised that these solutions may not deliver the required performance.

Detection technologies have been developed under past research projects which have the potential to meet the requirement, however further development is needed before they could be deployed. We also need to understand the performance a fully developed system could achieve.

Therefore Dstl require a concept study to be undertaken, to establish what development(s) would be required to get detection technologies developed under past research projects into service and what level of performance they would deliver.

1.2	**Requirement**

A concept study is required to establish what development would be required to get detection technologies developed under previous research projects into service. This concept study will set out to answer the following questions and further develop Dstl understanding:

1. Time
   - Dstl seeks to understand the timescale requirements of an aggressive development programme that still allows risk to be controlled. Noting, timescales will be a factor in the option(s) chosen,
   - How long would it take to productionise the technology?
   - What are the key / critical stages and milestones in the process?, and
   - How long would it take to deliver a fleet of 30 units, for use on operations?

2. Cost
   - What is the estimate for how much it would cost to productionise the technology,
   - What is the unit cost estimate, based on a working assumption of an order size of 30 units, and
   - What would the impact be on other Dstl / MOD projects that could be competing for the same staff / resources, if the work was prioritised?

3. Performance
   - How would the detection performance of the productionised system differ from the prototypes already tested by Dstl?, and

- How would issues such as SWaP / Ruggedness / Ergonomics / HMI of the productionised systems differ from the prototypes already tested by DSTL?

4. Risks
- What complications could arise in the development which might affect the time / cost / performance estimates?, and
- How would a development programme be constructed in order to mitigate foreseen and unforeseen risks?

Dstl believes that the following detection technologies are relevant to this study:

Redacted under FOIA Exemption

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In support of this requirement Dstl sets out to confirm:

1. The Cyber risk level has been assessed as Low, under Risk Assessment Reference RAR-8UWW8RR6,
2. A Security Aspects Letters has been uploaded on the RCloud portal to support this requirements, and
3. Dstl have a budget of up to £60,000 Ex VAT

1.3	**Options or follow on work** *(if none, write 'Not applicable')*
	N/A

1.4	**Contract Management Activities**
	Dstl envisage this task to be based around a collaborative approach to the task performance and deliverables, with regular discussion between Dstl and the supplier to refine the details of the task as knowledge develops.
	We anticipate needing a start-up meeting, a wash-up meeting and interim meetings as necessary to guide the work.

1.5	**Health & Safety, Environmental, Social, Ethical, Regulatory or Legislative aspects of the requirement**
	None identified

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	Final Report	T0 +2 Months	Report (.doc or .pdf), and a Presentation (.pptx)	SECRET	Report to include but not limited to: • Time/cost/performance/risk estimates as detailed in the SOR. • Details of work carried out to justify estimates	Default RCloud Agreement Terms and Conditions shall apply

1.7	**Deliverable Acceptance Criteria**
	The deliverable shall be assessed against the scope and level of response against the questions and technologies identified under Section 1.2

2	**Evaluation Criteria**
2.1	Method Explanation
	Technically acceptable affordable proposal.
2.2	Technical Evaluation Criteria
	Dstl shall assess the proposal to confirm understanding of the task scope, and suitability of the proposal.
2.3	Commercial Evaluation Criteria
	The proposal shall be assessed (Pass / Fail) against: • Budget (Affordability), • Provision of a Firm Price, • Assessment of the proposal rates against the Framework rates, • Submission of a SAQ against the cyber requirement, and • Submission of Research Workers Forms (Where required).