

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

Title of Requirement	Project NEBULA (Phase 1)
Requisition No.	1000169024
SoR Version	0.1

1.	Statement of Requirements
1.1	<b>Summary and Background Information</b>
	<p>Phase 1 will look to utilise BAES ATC to create desirable effects against a variety of different radio receivers using their high power source technologies. The main objective of this phase will be to:</p> <ol style="list-style-type: none"><li>1. Investigate the use of high power sources to generate desirable effects against a variety of radio receivers.</li><li>2. Investigate the use of different frequencies, transmit power levels, antennas and waveforms to create a useful (disabling) effect in a variety of radio receivers.</li><li>3. Work closely with Dstl to create a dedicated test set-up for the testing and determination of effect against radio receivers.</li></ol> <p>Phase 1 of the work will look to investigate <b>REDACTD UNDER FOIA EXEMPTION</b> waveforms and the effect these can have on the successful operation of radio receivers. The work is primarily interested in the susceptibility of these radio receivers to <b>REDACTED UNDER FOIA EXEMPTION</b> effects. This is a part of the broader techniques development work on going at present for Electronic Defence Measures in CSA Research.</p>
1.2	<b>Requirement</b>
	<p>As per the main objectives referenced in section 1.1 and detailed below, work will commence and will be scheduled to complete No Later Than (NLT) 31 March 2022, and the scope of the proposed activities to meet the main objectives shall be detailed by the supplier within their submitted proposal.</p> <p>Work shall be carried out in a sprint format, with a monthly review between the contractor and Dstl.</p> <p>The radio receivers in questions will be defined at the proposed contract kick off meeting, and shall be supplied to the contractor as Government Furnished Equipment (GFE).</p> <p>The main objective of this phase will be to:</p> <ol style="list-style-type: none"><li>1. Investigate the use of high power sources to generate desirable effects against a variety of radio receivers.</li><li>2. Investigate the use of different frequencies, transmit power levels, antennas and waveforms to create a useful (disabling) effect in a variety of radio receivers.</li><li>3. Work closely with Dstl to create a dedicated test set-up for the testing and determination of effect against radio receivers.</li></ol> <p>This requirement shall be subject to the following Quality requirement:</p>

	<ul style="list-style-type: none"> <li>ISO9001 Quality Management Systems</li> </ul> <p>The requirement has been allocated a cyber-risk profile of very low, against cyber risk assessment reference (RAR) 336316470.</p> <p>Dstl sets out to confirm that the following GFA shall be made available to supplier, where required, from the start of the contract:</p> <p>GFA-1.  Unique reference: TBC  Description: Radio Receivers for test  Available date: From contract commencement  Issued by: Dstl  Return Date: Upon completion of the contract, or disposal as appropriate and where agreed with Dstl.</p>
<b>1.3</b>	<b>Options or follow on work</b> <i>(if none, write 'Not applicable')</i>
	<p>The following additional scope has been identified as options which may be deployed upon completion of Phase 1. If Dstl sets out to exert an option they shall be subject to a formal tasking process and the submission of a firm price proposal.</p> <p><b><u>It should be noted that the Authority shall not be obliged to exercise any of the following technical scope or tasks</u></b></p> <ol style="list-style-type: none"> <li>Develop a prototype effector system that can be fitted to a vehicle for trials without adversely affecting any of the safety critical drive systems.</li> <li>Test effector system in a dynamic mode gain radio receiver with the effector fitted to a test platform.</li> <li>Optimise the performance of the effector by the re-configuration of effector positioning on the platform and/or quantities, adjustment of antenna/s changes in polarisation and antenna positioning on the platform.</li> </ol>
<b>1.4</b>	<b>Contract Management Activities</b>
	Contract management activities shall, where appropriate, be performed by the Dstl project manager.
<b>1.5</b>	<b>Health &amp; Safety, Environmental, Social, Ethical, Regulatory or Legislative aspects of the requirement</b>
	No requirements 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
D – 1	Phase 1 Demonstrator Proposal	T0	Word Document	OS	A fully costed proposal and schedule for conducting Phase 1 of the work including; <ul style="list-style-type: none"> <li>• Effector source options</li> <li>• Test Methodology</li> <li>• Timescales</li> </ul>	Default RCloud Agreement Terms and Conditions shall apply  Full Rights Version
D - 2	Sprint Review	Monthly	PowerPoint	OS	Each month, the contractor will present a Sprint overview to Dstl which will include; <ul style="list-style-type: none"> <li>• Update on technical progress/Issues</li> <li>• Any Other Business (AOB)</li> </ul>	Default RCloud Agreement Terms and Conditions shall apply  Full Rights Version
D - 3	Final Technical Report	NLT 31/03/2022	Word Document	OS	Results from their investigations and details on the agreed test set-up.	Default RCloud Agreement Terms and Conditions shall apply  Full Rights Version

1.7	<b>Deliverable Acceptance Criteria</b>
	No specific criteria identified beyond the standard RCloud clause.

2	Evaluation Criteria																
2.1	Method Explanation																
2.2	Technical Evaluation Criteria																
	<p>The technical evaluation shall consider the following aspects:</p> <p><b>Essential:</b></p> <ul style="list-style-type: none"><li>• Conform to the requirements as laid out in this document.</li><li>• Provide sufficiently detailed suitable technical information to allow a technical assessment to take place</li><li>• All deliverables to be provided to Dstl as DEFCON 705</li><li>• Work to be completed in timescale stipulated</li></ul> <p><b>Desirable:</b></p> <ul style="list-style-type: none"><li>• Require limited or, ideally, no GFA</li><li>• Demonstrate repeatable effects.</li><li>• Viable: costs and value for money, project delivery/plan</li></ul> <p><b>Marking scheme:</b></p> <p>Technical assessors and stakeholders will use the following marking scheme.</p> <table><tr><th>ID</th><th>Criteria</th><th>Score</th><th>Weight</th></tr><tr><td>1</td><td>The bidder organisation has staff with relevant technical experience and knowledge in the area of ECM development being proposed. This expertise should be demonstrated/outlined in the proposal.</td><td>0 - 10</td><td>25%</td></tr><tr><td>2</td><td>The bidder organisation has undertaken similar technical activities/work previously. This experience should be demonstrated/outlined in the proposal.</td><td>0 - 10</td><td>25%</td></tr><tr><td>3</td><td>The proposal describes a technically valid approach, and can be feasibly delivered within the given time and cost constraints.</td><td>0 - 10</td><td>25%</td></tr></table>	ID	Criteria	Score	Weight	1	The bidder organisation has staff with relevant technical experience and knowledge in the area of ECM development being proposed. This expertise should be demonstrated/outlined in the proposal.	0 - 10	25%	2	The bidder organisation has undertaken similar technical activities/work previously. This experience should be demonstrated/outlined in the proposal.	0 - 10	25%	3	The proposal describes a technically valid approach, and can be feasibly delivered within the given time and cost constraints.	0 - 10	25%
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3	The proposal describes a technically valid approach, and can be feasibly delivered within the given time and cost constraints.	0 - 10	25%														

	4	The proposal provides an approach which has sufficient support /pull from the User community. The proposal address a challenge presented in the background.	0 - 10	25%	
	<p>The scoring scheme is;</p> <p>0 – The bidder has failed to address or meet the criteria in the marking scheme</p> <p>3 – The bidder has addressed the criteria but has failed to provide adequate evidence that the bid/proposal could meet the criteria/criterion.</p> <p>7 – The bidder has met the criteria.</p> <p>10 – The bidder has exceeded the criteria</p>				
2.3	Commercial Evaluation Criteria				
	<p>The Commercial evaluation shall consist of the following Pass / Fail questions:</p> <ol style="list-style-type: none"> <li>1. Has the proposal been submitted a firm price, using the accepted RCloud rate card for non-competitive tasks?</li> <li>2. Has the proposal been submitted within the Dstl budget for this Phase (£200,000.00 Ex VAT). [Nb. This question is for the core work only, and excludes reference to any additional or follow on work referenced in section]</li> <li>3. The proposal is fully compliant, and accepts, the RCloud v4 terms in full</li> <li>4. The proposal has included a Supplier Assurance Questionnaire (SAQ) in response to the specified Cyber Risk Assessment detailed in RCloud Document Part A, and the response has included the DCPD correspondence.</li> <li>5. The supplier has submitted One (1) Full Technical proposal excluding all commercial and price details, and has submitted One (1) Full Commercial and Technical proposal including all price data.</li> </ol>				