

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

Title of Requirement	MED TTCP Support
Requisition No.	RQ0000012931
SoR Version	1.0

1.	Statement of Requirements
1.1	Summary and Background Information
	<p>This SOR is to develop the Multi-Environment Display (MED) to enable the use of the display during The Technical Cooperation Programme (TTCP) experimentation in Nova Scotia, Canada and to support the experiments with 1 person from 24th-28th October 2022.</p> <p>Previous Dstl led research under the Above Water Systems Programme has tested a Multi Environment Display to a limited extent. The TTCP event in Oct 22 presents an opportunity to exploit that work by exposing the display to a wider audience and allow comparison to other nations developments. It will also enable a new set of users to provide feedback on its design and capabilities.</p> <p>Surface ship Operations (Ops) Rooms are complex environments where Command and Control (C2) of maritime assets is conducted. The complex environment and legal constraints imposed by geographical areas, requires the Royal Navy (RN) to Detect, Track, Identify and Classify contacts before deciding on a range of possible actions to neutralise a potential threat, Officers need to make decisions based on comprehensive but often incomplete information, delivered in a variety of methods. There is a need to reduce the demands on the operators who need to ingest such maritime battlespace information quickly in order to take timely and decisive action.</p> <p>Currently the Command team have the tactical picture, the Wide Area Picture (WAP), Bearing Only Plots (BOP) and environmental information on different air gapped systems. Dstl wish to test an existing prototype Multi Environment display (MED) that brings environmental information and a sonar propagation prediction tool together with the tactical picture, WAP and BOP into a single display, with The Technical Cooperation Programme (TTCP) partners who are developing similar concepts to evaluate how they can provide enhanced situational awareness to the Command team.</p> <p>An Alpha prototype has already been developed by SEA Ltd to enable an assessment on the potential benefit this display could have to the Command team and to support HF experiments on the use of this type of display in operational scenarios.</p>

	The aim of this task is to enhance the prototype with enough functionality and stability to enable users to interact with the display and allow comparison with other nations displays to assess the best way of representing operationally relevant information to the operators.
1.2	Requirement
	<p>The requirements for this task are:</p> <ol style="list-style-type: none"> 1. Insert Depth rings The supplier shall insert depth markers into the current display to support the command team's understanding of the position of tracks in the battlespace. These depth markers will need to adjust as the scale on the display is adjusted to ensure that the correct data is shown. The depth markers will need to be presented in metres. 2. Add legend to the display The current prototype uses colour to indicate the difference in the parameters that are being viewed (speed of sound, depth of sediment), however it doesn't contain a legend to show what value that the colour represents. This is required to enhance the user's understanding of the data they are being shown. 3. Add annotation layer on display During the development of the Alpha prototype, the annotation layer was not finished due to the limited contract duration. User feedback has commented how useful this feature would be. Therefore this requirement is to finish off the coding that was started under the previous development. 4. Demonstration at Dstl Portsdown West Provide a demonstration at Dstl Portsdown West, Hampshire to Dstl Subject Matter Experts and Military Advisors of the new and existing functionality. 5. Support The Technical Cooperation Programme user trial 1 developer is required to support a 5 day user trial at a DRDC facility in Nova Scotia, Canada. The trial is currently expected to be held during the week of 24th October 2022. The person is to provide technical support and setting up of the executable at the DRDC facility prior to user testing of the MED to allow comparison to the Canadian display.
1.3	Options or follow on work
	Potential follow on work is to develop the MED display by implementing any recommendations made during the experiment in Canada. Further work could be to support the experiment in Oct 2023 at Dstl, Portsdown West.
1.4	Contract Management Activities

	Monthly reports
1.5	Health & Safety, Environmental, Social, Ethical, Regulatory or Legislative aspects of the requirement
	None applicable

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	Monthly reports	Each Month	Telecon with presentation (.pptx)	O	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 	Default RCloud Agreement Terms and Conditions shall apply
D - 2	Demonstration at Dstl PDW	1 st October 2022	N/A	OS	Demonstration at Dstl PDW to show new functionality to Dstl and Military Advisors.	Default RCloud Agreement Terms and Conditions shall apply
D - 3	Attendance of 1 developer at	24 th -28 th October 2022	N/A	OS	Technical person with experience of MED to support the setup, debugging and running of MED during the experiments in Canada.	Default RCloud Agreement Terms and Conditions shall apply

	experiment in Nova Scotia, Canada					
D – 4	Design Document and User Guide	30 th November 2022	Word	O	Update to existing documentation, detailing additional features and how to use them	Default RCloud Agreement Terms and Conditions shall apply
D - 5	Delivery of Source Code	30 th November 2022	Suitable format	O	New source code delivered that incorporates the new functionality in the MED as formal release version	Default RCloud Agreement Terms and Conditions shall apply

1.7	Deliverable Acceptance Criteria
	<p>Acceptance of software shall be through successful demonstration to Dstl at PDW and function at TTCP event</p> <p>Deliverables shall be reviewed and accepted/rejected by the Dstl Project Technical Authority and Project Technical Lead. Copies of all deliverable reports/documentation shall also be sent to the Dstl Project Manager.</p> <p>Acceptance/rejection of report deliverables will take place within 20 working days from the date of the receipt of the deliverables by Dstl.</p> <p>The following acceptance criteria will apply to all reports and presentations delivered under the contract.</p> <ul style="list-style-type: none"> • All deliverable reports and presentations shall be provided in an electronic format in MS Word format and a searchable PDF format. • All reports shall be free from spelling and grammatical errors and shall be set out in accordance with the Statement of Requirement above. • All deliverables shall be supplied in accordance with the Security Aspects Letter for this task. <p>Failure to comply with the above may result in The Authority rejecting the deliverables and requesting re-work before final acceptance</p>

2	Evaluation Criteria
2.1	Method Explanation
	<p>The placing of any contract will depend upon consideration of the proposal received and the Authority reserves the right, as its sole discretion, to proceed to contract for any part or all of a contractors proposal. And if necessary, not to place any contract as a result. Please note the MOD operates a policy of No Acceptable Price No Contract (NAPNOC).</p>
2.2	Technical Evaluation Criteria
	<p>The supplier's proposal will be technically acceptable if considered by Dstl Subject Matter Experts (SMEs) that the plan is credible and it provides sufficient confidence that it will achieve the requirements within the stated timescales.</p>

2.3	Commercial Evaluation Criteria		
	Commercial evaluation criteria no.	Commercial evaluation criteria	Total maximum score
	C1	Please submit your full firm price breakdown for all costs to be incurred to fulfil this requirement, including: <ul style="list-style-type: none"> • What rates are being used for what role • Quantity of manpower hours per role • Any Materials costs • Any Facility costs • Any sub-contractor costs • Any travel and subsistence costs • Any other costs 	Pass/Fail
	C2	Compliance with this Task specific terms and conditions as stated within the Statement of Requirement and respective Call-Off Tasking Form.	Pass/Fail
	Commercial Scoring criteria:		
	Score	Definition	
	Pass	Fully meets the Authority's requirement. Provision and acceptance of the sub-criteria information in the format requested, which is clear, unambiguous and transparent.	
	Fail	Unacceptable/Nil Return. Tenderer did not respond to the question or the response wholly failed to demonstrate an ability to meet the sub-criteria requirement.	