

Statement of Requirement (SoR)

Reference Number	R1000154342
Version Number	0.1
Date	26/03/2021

1.	Requirement
1.1	Title
	[REDACTED-FOI S(2)23]
1.2	Summary
	The purpose of this requirement is to investigate how the loading from a [REDACTED-FOI S(2)23] is affected by [REDACTED-FOI S(2)23]. This will be assessed by measuring the loading on the surface of a flat target from [REDACTED-FOI S(2)23] in a range of conditions.
1.3	Background
	Previous studies have shown how changing the [REDACTED-FOI S(2)23] conditions in which a [REDACTED-FOI S(2)23] is [REDACTED-FOI S(2)23] affects the output from the [REDACTED-FOI S(2)23]. The previous [REDACTED-FOI S(2)23] study used a unique facility to measure the loading at discrete points on a flat target. This means that it is possible to identify the mechanisms that lead to changes in the terminal effects.

1.4	Requirement
	<p>The requirement is to conduct:</p> <ul style="list-style-type: none"> • 18 tests using the [REDACTED-FOI S(2)23] facility with test conditions representative of a littoral or subarctic environment before July 2021. • 12 tests using the [REDACTED-FOI S(2)23] facility with test conditions representative of a littoral or subarctic environment before April 2022. <p>Tests must be conducted using the [REDACTED-FOI S(2)23] facility with the flat target plate as used in previous studies. The tests must use a minimum of 17 pressure bars arranged in a cross centred directly above the [REDACTED-FOI S(2)23] with a separation between adjacent bars of 25 mm. The threat emplacement conditions for each test must be agreed with Dstl before the test.</p> <p>A test report is required for each phase of testing and test reports must include:</p> <ul style="list-style-type: none"> • A description of the configuration of each test with sufficient detail that the test could be repeated • Test logs including details of all data channels • Calibration certificates for all instrumentation • Raw data in ASCII, CSV or Excel format • Processed data in ASCII, CSV, Excel or Matlab format • A description of the processing used including any software scripts with sufficient detail that the analysis could be repeated with minimal assumed knowledge • Photos showing the test setup and aftermath of each test <p>Desirable:</p> <ul style="list-style-type: none"> • High speed video footage of the tests is desirable but not essential
1.5	Options or follow on work
	<p>Options for additional tests shall be included in the contract. If there are no economies of scale then options shall be priced per test. If there are economies of scale then a range of options shall be presented. The number of additional tests required will be decided by 31st April 2022 and any additional testing must be completed by 31st March 2023.</p>

1.6 Deliverables & Intellectual Property Rights (IPR)							
Ref.	Title	Due by	Format	TRL*	Expected classification (subject to change)	What information is required in the deliverable	IPR DEFCON/ Condition
D – 1	Technical Report	4 weeks after test completion	Word document	N/A	OFFICIAL	<p>A test report is required for each phase of testing and test reports must include:</p> <ul style="list-style-type: none"> • A description of the configuration of each test with sufficient detail that the test could be repeated • Test logs including details of all data channels • Calibration certificates for all instrumentation • Raw data in ASCII, CSV or Excel format • Processed data in ASCII, CSV, Excel or Matlab format • A description of the processing used including any software scripts with sufficient detail that the analysis could be repeated with minimal assumed knowledge • Photos showing the test setup and aftermath of each test <p>Desirable:</p> <ul style="list-style-type: none"> • High speed video footage of the tests is desirable but not essential 	<p>DEFCON 703 shall apply</p> <p>(Note: Dstl may wish to publish the findings in open literature)</p>

*Technology Readiness Level required

1.7	Standard Deliverable Acceptance Criteria
	<p>Previous contract reference DSTLX-1000071901.</p> <p>The Technical Reports will be assessed against the requirements detailed in Section 1.4.</p> <p>Technical Reports will be submitted in accordance with the contract schedule and will be accepted after they have been delivered on time (via email where possible), reviewed and judged acceptable by the Authority.</p> <p>Acceptance will not be un-reasonably declined. Where acceptance is declined, clear and specific rationale will be offered by the Authority, with the hope and intention that the issues can be rectified within a timely manner and the Technical Report resubmitted for acceptance.</p>
1.8	Specific Deliverable Acceptance Criteria

2.	Quality Control and Assurance
2.1	Quality Control and Quality Assurance processes and standards that must be met by the contractor
	<p><input type="checkbox"/> ISO9001 (Quality Management Systems)</p> <p><input type="checkbox"/> ISO14001 (Environment Management Systems)</p> <p><input type="checkbox"/> ISO12207 (Systems and software engineering — software life cycle)</p> <p><input type="checkbox"/> TickITPlus (Integrated approach to software and IT development)</p> <p><input checked="" type="checkbox"/> Other: The testing must comply with all legal requirements for explosive testing. Evidence of compliance to be provided (such as a Land Range Authorisation Certificate).</p>
2.2	Safety, Environmental, Social, Ethical, Regulatory or Legislative aspects of the requirement
	Supplier to advise the social value impact of the work.

3.	Security	
3.1	Highest security classification	
	Of the work	OFFICIAL
	Of the Deliverables/ Output	OFFICIAL
3.2	Security Aspects Letter (SAL)	
	<p>Yes</p> <p>If yes, please see SAL reference R100015342</p>	
3.3	Cyber Risk Level	
	Very low	
3.4	Cyber Risk Assessment (RA) Reference	
	<p>RAR-EYZT66AM</p> <p>If stated, this must be completed by the contractor before a contract can be awarded. In accordance with the Supplier Cyber Protection Risk Assessment (RA) Workflow please complete the Cyber Risk Assessment available at https://suppliercyberprotection.service.xgov.uk/</p>	

4. Government Furnished Assets (GFA)					
GFA to be Issued - Yes					
GFA No.	Unique Identifier/ Serial No	Description:	Available Date	Issued by	Return Date or Disposal Date (T0+)
GFA-1		Access to and use of all [REDACTED-FOI S(2)23] data gathered under contract number DSTLX-1000071901	On contract award	Dstl	N/A

5. Proposal Evaluation criteria	
5.1	Technical Evaluation Criteria
	The proposal will be evaluated for technical compliance to the requirement detailed in 1.4.
5.2	Commercial Evaluation Criteria
	The proposal will be evaluated to ensure that it meets the technical requirements and that it represents value for money for Dstl.