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

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| **Title of Requirement** | **Future Individual Lethality System (FILS) – Object Classifier Enabled.** |
| **Requisition No.** | **1000166671** |
| **SoR Version** | **1.0** |

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| **1.** | **Statement of Requirements** |
| **1.1** | **Summary and Background Information** |
|  | **Summary**FILS- Object Classifier Enabled, will be the development of a sensor module compatible with the FILS Plug and Play Optic **Redacted under FOIA exemption** The Object Classifier Enabled work package will demonstrate the ability for the FILS system to highlight classified targets via the digital display within the main optic. **Redacted under FOIA exemption****Background****Redacted under FOIA exemption** |
| **1.2** | **Requirement** |
|  | The key project output is the design, manufacture, demonstration and delivery of a FILS compatible sensor module **Redacted under FOIA exemption** and computer system in order to allow **Redacted under FOIA exemption** in the weapons digital sight.Dstl will not solutionise the method chosen **Redacted under FOIA exemption** on how to meet the outputs required and is open to a new sensor module, modification to an existing sensor module or an independent method. However, the requirements listed below must be met and demonstrated to DSTL in a concept demonstrator by not later than 31st March 2022.

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| **UIN** | **System Requirement (SR)** | **Threshold (T)** | **Objective (O)** | **Remarks** |
| **TH1** | The Module must be compatible with the FILS main sighting system | Compatible but independent of other modules | Suitable for fused overlay with the TI module |  |
| **TH2** | **Redacted under FOIA exemption** |  |
| **TH3** | **Redacted under FOIA exemption** |  |
| **TH4** | **Redacted under FOIA exemption** |  |  |
| **TH5** | **Redacted under FOIA exemption** |  |  |
| **TH6** | **Redacted under FOIA exemption** |
| **TH7** | The combined system must be powered on the man | Independent power supply | Via the FILS Power architecture |  |

Dstl will provide the Supplier Government Furnished Information and Equipment to include information on other projects that form part of this effort such as:**Redacted under FOIA exemption**Your proposal should include details of:* The underpinning science and engineering activities you will carry out to deliver the FILS outputs required in accordance with the above.

 * A project plan, including risks and their mitigations; dependencies; critical paths; and decision points; and
* A detailed description of your methodology for meeting the requirements in accordance with the above i.e by:
	1. Provision of a new sensor model;
	2. Modification to an existing model; or
	3. Independent Method

The aspiration will be for an end product that meets the ethos of FILS **Redacted under FOIA exemption** in that it should “look” suitable for military demonstration.  |
| **1.3** | **Options or follow on work *(if none, write ‘Not applicable’)***  |
|  | **No optional work is envisaged however, depending on the TRL of the main deliverable, further related work may be authorised but in scope of the original requirements.** |
| **1.4** |  |
|  | **Quality Control and Quality Assurance processes and standards that must be met by the contractor:****ISO 9001 & TickITPlus** |
| **1.5** | **Health & Safety, Environmental, Social, Ethical, Regulatory or Legislative aspects of the requirement** |
|  | **None specified** |

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| **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  | Progress Reporting | T0+1 Month and + 1 month thereafter for the duration of the contract. | Presentation (.pptx) or Word (.doc) | OS | To include but not limited to: * Update on technical progress
* Progress report against project schedule.
* Review of risk management plan.
* Review of deliverables.
* Risks/issues.

GFA and supplier performance  | RCloud Agreement Terms and Conditions shall applyFull Rights Versions Required |
| D-2  | Concept Options | T0+2 months | Presentation (.pptx) | OS | A one off presentation pack to include but not limited to:Module design and estimated performance specificationsGPU and Computer configuration **Redacted under FOIA exemption**To inform the Dstl and industry decision on the design plan | RCloud Agreement Terms and Conditions shall applyFull Rights Versions Required |
| D-3  | Technical breadboard demo | T0+ 4 months | Presentation (.pptx) | OS | A one off presentation pack to include but not limited to:A demonstration of the parts working together | RCloud Agreement Terms and Conditions shall applyFull Rights Versions Required |
| D-4 | FY 21/22 Design End of Year demonstration and report | T0+ 6 months | Written report (.docx) | OS | * A live demonstration of the module at TRL6\*
* A report on the ability to apply the concept Redacted under FOIA exemption

Delivery of the demonstrator to Dstl and transfer of title will occur upon completion of the demonstration.  | RCloud Agreement Terms and Conditions shall applyFull Rights Versions Required |

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| **1.7** | **Deliverable Acceptance Criteria** |
|  | As per R-Cloud Framework T&Cs All Reports included as Deliverables under the Contract e.g. Progress and/or Final Reports etc. must comply with the Defence Research Reports Specification (DRRS) which defines the requirements for the presentation, format and production of scientific and technical reports prepared for MoD.Interim or Progress Reports: The report should detail, document, and summarise the results of work done during the period covered and shall be in sufficient detail to comprehensively explain the results achieved; substantive performance; a description of current substantive performance and any problems encountered and/or which may exist along with proposed corrective action. An explanation of any difference between planned progress and actual progress, why the differences have occurred, and if behind planned progress what corrective steps are planned.Any Final Reports: shall describe the entire work performed under the Contract in sufficient detail to explain comprehensively the work undertaken and results achieved including all relevant technical details of any hardware, software, process or system developed there under. The technical detail shall be sufficient to permit independent reproduction of any such process or system.All Reports shall be free from spelling and grammatical errors and shall be set out in accordance with Section 1.6 above.Failure to comply with the above may result in the Authority rejecting the deliverables and requesting re-work before final acceptance.The concept demonstrator provided by the Supplier to Dstl shall be of the FILS Object Classified Enabled capabilityThe Supplier will provide a system to Dstl upon completion of all work under the Contract. |

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| **2** | **Evaluation Criteria** |
| 2.1 | Method Explanation |
|  | Mandatory Criteria (Pass/Fail) and overall affordability/acceptance to the Authority.The Authority will consider the Contractors Technical Proposal relating to the demonstration of how the requirements at 1.2 will be met and the quality and content of the deliverables provided in response to this enquiry. The Commercial response including the Firm Price submitted and will also be reviewed. If necessary any issues arising from the Commercial and/or Technical evaluation will be discussed and agreed with the Supplier prior to award of the RCloud Tasking Order Form. |
| 2.2 | Technical Evaluation Criteria  |
|  | No Specific Technical Evaluation and scoring will take place other than as described in 2.1 above |
| 2.3 | Commercial Evaluation Criteria |
|  | The commercial evaluation shall assess the proposal on the following questions:

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| **Serial** | **Question** | **Marking** |
| 1 | The Contactor’s proposal falls within the maximum budget of £225K | Pass/Fail |
| 2 | The Contractor’s proposal has been submitted against a Firm Price, and within the allowable rates detailed on the RCloud rate card. | Pass/Fail |
| 3 | One full technical proposal, excluding all price detail has been submitted | Pass/Fail |
| 4 | One full Technical and Commercial proposal, including all price detail, has been submitted | Pass/Fail |
| 5 | A completed RCloud Part C Task Response Form has been completed and submitted | Pass/Fail |
| 6 | A completed Supplier Assurance Questionnaire (SAQ) has been submitted against the specified Cyber Risk Profile. | Pass/Fail |
| 7 | Completed Research Worker Forms (PPRW) have been submitted where appropriate or details of existing security cleared research workers identified | Pass/Fail |

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