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

Title of Requirement	**Testing a Bioethics Framework for Human Augmentation**
Requisition No.	**1000166606**
SoR Version	**0.1**

1.	**Statement of Requirements**
1.1	**Summary and Background Information**
	Dstl is seeking an organisation with the expertise to carry out research / analysis in military ethics in order to test a bioethics framework that is being developed to support human augmentation technologies. Human Augmentation and neuroadaptive systems involve the use of real-time human physiological information by military systems. This requires MoD to understand how human data will be used in a completely new context, it is important that pragmatic ethical decisions are made at the development stage of such systems and also throughout their lifetime. An operational bioethics panel would allow MoD to explore such ideas and would provide independent oversight and advice. In order to achieve this it is necessary to plan what such a panel should do and to create an ethical framework.
1.2	**Requirement**
	The Human Augmentation Project within Dstl has a requirement to develop a bioethics framework. A bioethics framework is being developed by Compass Ethics on behalf of MOD. In order to ensure that the framework being developed can be used in the future to support making ethical decisions Dstl is seeking an organisation with the expertise to carry out research / analysis in military ethics in order to test a bioethics framework that is being developed to support human augmentation technologies. This will ensure that the principles developed are appropriate for making future decisions in UK Defence. This requirement will involve engagement with key stakeholders and quantitative testing of the proposed principles with a wide cross section of military personnel from different branches, ranks and specialisms. This equates to research which will support the research being developed by Compass Ethics under contract DSTLX 1000158739. As a useful test case some consideration of the work of Casey et al. (2014) on the use of pharmacological agents in current military personnel should be considered in this work. This task should include:

	• Consultation with Defence stakeholders and SMEs, this should include quantifiable evaluation of the bioethics framework principles wide cross section of military personnel. (Which will be agreed with the Dstl technical partner). • Test the principles (as agreed with defence stakeholders). This should be undertaken through leading workshops with international experts (experts will be agreed with the Dstl technical partner) in order to test them against potential human augmentation future scenarios. • Findings from the above workshops will then be consulted with the original stakeholders and SMEs. • The work undertaken above should be written up in a technical report focussing on recommendations for the next phase of supporting the implementation an ethical process for HA. In addition a presentation should be giving when focuses on the key findings detailed in the technical report stated above.
1.3	**Options or follow on work** *(if none, write 'Not applicable')*
	N/A
1.4	**Health & Safety, Environmental, Social, Ethical, Regulatory or Legislative aspects of the requirement**
	There may be a requirement for this to go through MoDREC, Dstl would need to work with successful company to ensure this is identified and that any MoDREC requirements are followed.

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** *(Commercial to enter later)*
ID1	Final Report	31/3/2022	Report	n/a	Redacted under FOIA Section 23 - National Security	Report to provide details of the proposed framework and supporting research activities including workshopping against scenarios	DEFCON 705 shall apply
ID2	Monthly update meetings	monthly	Phone/Teams or in person meetings	n/a	Redacted under FOIA Section 23 - National Security	Verbal meetings, preferably with brief written updates on PowerPoint slides.	

1.7	**Deliverable Acceptance Criteria**
	Interim or Progress Reports: The report should detail, document, and summarise the progress of work undertaken during the period covered and shall be in sufficient detail to comprehensively explain the results achieved; 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. 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.

2.	**Government Furnished Assets (GFA)**

GFA to be Issued - Choose an item.

If 'yes' – add details below. If 'supplier to specify' or 'no,' delete all cells below.

GFA No.	**Unique Identifier/ Serial No**	**Description:** *Classification, type of GFA (GFE for equipment for example), previous MOD Contracts and link to deliverables*	**Available Date**	**Issued by**	**Return Date or Disposal Date (T0+)** *Please specify which*
GFA-1		Dstl would share any relevant work Redacted under FOIA Section 26 would support the work being undertaken by the contractor. Any documents shared would be documented.			

3	Evaluation Criteria
2.1	Technical Evaluation Criteria
	The supplier needs to demonstrate that they have the capability and experience to perform the work stated in this SoR. The technical elements of the proposal will be evaluated on a pass/fail basis depending on how successfully the supplier team can: 1. Demonstrate expert knowledge of military ethics at both an academic (preferably Professorial) level and within the military, have experience of providing advice within military settings and working with military personnel. Have a relevant publication record in military ethics. 2. The supplier needs demonstrate that they have the capability and experience to perform the work stated in this SoR. 3. Outline a clear and technically feasible plan for the work whhc details how the supplier will: • Consult with Defence stakeholders and SMEs, in order to evaluate the bioethics framework • Test the framework principles (as agreed with defence stakeholders).
2.2	Commercial Evaluation Criteria
	The supplier shall provide evidence to demonstrate that they can meet the following commercial requirements; • A completed 'Tasking Order Form' confirming a resulting contract will be in accordance with the R-cloud Version 4 Terms and Conditions • The supplier must provide their full FIRM price breakdown for all costs to be incurred to fulfil this requirement, including: What rates are being used for what Grade (using their respective R-Cloud Grades), Quantity of manpower hours per Grade, Materials costs Facility costs, Profit rate applied, Any sub-contractor costs and the level of sub-contracting required, Any other costs applicable to this requirement. The Authority will assess the proposal to ensure that all costs are fully detailed, in line with the R-Cloud rates and price shall be commensurate with the work to be undertaken. When placing any contract the Authority is required to satisfy itself that the agreed price represents Value for Money (VFM). In single source contracting you must provide to the Authority sufficient information in support of your price proposal and during subsequent price negotiation, to enable the Authority to fulfil its obligation to assure VFM. The Authority approaches all contract pricing on the basis of the NAPNOC principle (No Acceptable Price, No Contract). The Authority reserves the right to not enter into any contract that is unacceptably priced or unaffordable.