Statement of Requirement (SoR)

Reference Number	1000170308
Version Number	1
Date	19/10/2021

1.	Requirement
1.1	Title
	Additional Defender ROVs for MIE ROV Project
1.2	Summary
	The Dstl MIE ROV project (iCAS No. 711179) project requires three additional VideoRay Defender ROVs and ancillary equipment in order to deliver a proof of concept demonstration to the customer.
1.3	Background
	The Dstl MIE ROV project is developing a capability to reduce the danger to clearance divers undertaking MIE. The project is three-years in duration. Use of an ROV for underwater Explosive Ordnance Disposal and Search has already been proven and this project will integrate this with current MCM/MIE capabilities and autonomous surface vessels to provide the end-to-end remote capability required by the customer.
1.4	Requirement
	 The Dstl MIE ROV Project Team require three additional ROV systems to deliver a proof-of-concept demonstration to the customer in February 2024. These additional ROVS will be used for: Beta testing by Royal Navy divers of the MIE solution as it develops over the three years of the project. This will ensure that the solution is viable and meets the user's needs. It will also bring capability into the hands of the users more quickly. This will require two additional ROVs.

 Developing some additional MIE capability (additional weapon choices) identified by the user as necessary to deliver a comprehensive MIE capability. This will require one additional ROV. 							
To deliv	To deliver the concept each ROV system must have the following capabilities:						
• Be man portable (maximum two-man lift for all system items).							
		erated in a maritime environment in adverse weather cond items to have adequate waterproofing).	itions				
	able to opera ft or shore ba	te at depths of up to 250m and 250m horizontally from its s se.	support				
mas	ss of at least	n multiple manipulators with multiple jaw configurations abl 11kg, cut wire/rope and perform dextrous operations with r nnect items together.					
• Be	able to work i	n a current of at least one knot and ideally up to 4 knots.					
		pnomy to provide ROV stabilisation (e.g. auto hover, direct arch capabilities (e.g. race-track search of a defined area).	ion lock)				
		n High Definition cameras (with LED lighting) and high-definent tems of interest to be located in zero visibility.	nition 2D				
 Be equipped with navigation systems (GPS, Doppler and Inertial) to provide accurate ROV location on the surface and underwater. 							
 Be maintainable by the user (component replacement) with only basic training. To include a suitable spares package. 							
• Be	easy to use (i	intuitive) with low skill fade. Include a training and support	package				
In addition the customer has stipulated that, in order to reduce the training and support burden, the ROV must be a VideoRay Defender as they already have one of these systems in service with two more currently being procured. The above requirements can be realised by purchasing the following Commercial Off The Shelf (COTS) items from Atlantas Marine. Note, these are identical to items recently purchased by Dstl for this MIE ROV project:							
The ab Shelf (0	ove requirem COTS) items	ents can be realised by purchasing the following Commerce from Atlantas Marine. Note, these are identical to items re	ial Off The				
The ab Shelf (0	ove requirem COTS) items sed by Dstl fc Part No. (where	ents can be realised by purchasing the following Commerce from Atlantas Marine. Note, these are identical to items re	ial Off The				
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The ab Shelf (C purchas	ove requirem COTS) items sed by Dstl fo Part No. (where applicable) 71036	ents can be realised by purchasing the following Commerce from Atlantas Marine. Note, these are identical to items re or this MIE ROV project: Specification Basic Defender ROV package	tial Off The cently				
The ab Shelf (C purchas	ove requirem COTS) items sed by Dstl fo Part No. (where applicable) 71036 70384	ents can be realised by purchasing the following Commerce from Atlantas Marine. Note, these are identical to items re or this MIE ROV project: Specification Basic Defender ROV package 400m PPT - Neutral Performance Tether	Total Qtf				
The ab Shelf (C purchas	ove requirem COTS) items sed by Dstl for Part No. (where applicable) 71036 70384 70452	ents can be realised by purchasing the following Commerce from Atlantas Marine. Note, these are identical to items re or this MIE ROV project: Specification Basic Defender ROV package 400m PPT - Neutral Performance Tether XTDS - Tether Deployment system with 400 volt slip ring	tial Off The cently				
The ab Shelf (C purchas	ove requirem COTS) items sed by Dstl fo Part No. (where applicable) 71036 70384 70452 70236	ents can be realised by purchasing the following Commerce from Atlantas Marine. Note, these are identical to items re or this MIE ROV project: Specification Basic Defender ROV package 400m PPT - Neutral Performance Tether XTDS - Tether Deployment system with 400 volt slip ring 100m PPT - Neutral Performance Tether.	Total Qty Contly Total Qty 3 3 3 3 3				
The ab Shelf (C purchas	ove requirem COTS) items sed by Dstl for Part No. (where applicable) 71036 70384 70452 70236 50240	ents can be realised by purchasing the following Commerce from Atlantas Marine. Note, these are identical to items re for this MIE ROV project: Specification Basic Defender ROV package 400m PPT - Neutral Performance Tether XTDS - Tether Deployment system with 400 volt slip ring 100m PPT - Neutral Performance Tether. Tether Bag Backpack.	Total Qty Total Qty 3 3 3 3 3				
The ab Shelf (C purchas	ove requirem COTS) items sed by Dstl for Part No. (where applicable) 71036 70384 70452 70236 50240 71042	ents can be realised by purchasing the following Commerce from Atlantas Marine. Note, these are identical to items re or this MIE ROV project: Specification Basic Defender ROV package 400m PPT - Neutral Performance Tether XTDS - Tether Deployment system with 400 volt slip ring 100m PPT - Neutral Performance Tether. Tether Bag Backpack. Autopilot System (DVL, GPS & Integration kit)	tial Off The cently				

		72040	Greensea EOD Workspace software.	3					
	MSS-		3 day training course for up to 5 candidates	3					
		TRAIN-UK							
			Delivery to DSTL and Import charges	3					
	2	72271	Greensea EOD Workspace software, annual support	4					
	3 CSMP CSMP Support Package			4					
	4		Annual Service for a Defender ROV	4					
1.5	Options	Options or follow on work							
	None								

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
				1	N/A. All items are	COTS	

*Technology Readiness Level required

1.7	Standard Deliverable Acceptance Criteria
	N/A. All items are COTS
1.8	Specific Deliverable Acceptance Criteria
	N/A. All items are COTS

2.	Quality Control and Assurance							
2.1	Quality Control and Quality Assurance processes and standards that must be met by the contractor							
	□ ISO9001 (Quality Management Systems)							
	□ ISO14001 (Environment Management Systems)							
	\Box ISO12207 (Systems and software engineering — software life cycle)							
	□ TickITPlus (Integrated approach to software and IT development)							
	☑ Other: (Please specify below)							
	N/A. All items are COTS and covered under warranty and the servicing package.							
2.2	Safety, Environmental, Social, Ethical, Regulatory or Legislative aspects of the requirement							
	N/A. All items are COTS							

3.	Security		
3.1	Highest security classification		
	Of the work	OFFICIAL SENSITIVE	
	Of the Deliverables/ Output	UNCLASSIFIED	
3.2	Security Aspects Letter (SAL)	
	Not applicable		
	If yes, please see SAL reference- Enter iCAS requisition number once obtained		
3.3	Cyber Risk Level		
	Not applicable		
3.4	Cyber Risk Assessment (RA) Reference		
	313155423		
	If stated, this must be complete	d 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/	

4. Government Furnished Assets (GFA)

GFA to be Issued - No

5.	Proposal Evaluation criteria
5.1	Technical Evaluation Criteria

5.	Proposal Evaluation criteria
5.1	Technical Evaluation Criteria
5.2	Commercial Evaluation Criteria