Statement of Requirement (SoR)

For: Business consultancy ⊠ Corporate Procurement □

Reference Number	
Version Number	0.1
Date	17/11/2023

1.	Requirement		
1.1	Title		
	Code-independent training on engineering analysis & simulation using FEA (Finite Element Analysis), CFD (Computational Fluid Dynamics) and related technologies.		
1.2	Summary		
	Dstl requires a Supplier to provide code-independent training on engineering analysis & simulation using FEA, CFD and related technologies.		
	Covering all aspects of training ranging from beginner to expert. From Basic introductions on FEA and CFD, through to bespoke courses covering advance topics on analysis & simulation related technologies.		
1.3	Background		
	Regular training is required for Numerical Simulation Engineers currently working at Dstl. With the skill level of attendees ranging from Beginner to Expert.		
	Training is required in all aspects of engineering analysis & simulation using FEA, CFD and related technologies. From basic introductions on FEA and CFD, through to bespoke courses covering analysis & simulation related technologies, such as Process Integration		



quirement I requires a Supplier that can provide Training Packages (TP) on a range of topics sociated with engineering analysis & simulation using FEA, CFD and related hnologies. 2023.1 will be initially let with the Contract. This is the only guaranteed TP within this ntract, with further Options being implemented when required at the sole discretion of I. There is no commitment given for any additional Options to be taken up by Dstl. cing should be provided as a Firm Price for TP2023.1 tions for subsequent Financial Years (FY) (which could be either FEA or CFD Training) y be requested at the start of the relevant FY, or as required. See section 1.5 for more ails. 2023.1 Requirement (initial):		
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2023.1 Requirement (initial):		
The Supplier is required to provide on-site training, at Dstl Porton Down, on Finite Element Analysis. A 5 day course, for 12 attendees on the following Finite Element Analysis topics:		
 A Practical Introduction to FEA Process Integration and Design Optimization 		
Details of the courses are to be suggested by the Supplier, with possible topics to include:		
 A Practical Introduction to FEA Background to FEA Overview of Element Types Constraints Loading Types Multi Point Constraints (MPCs) 		

Procurement Process





	0	Other	
	- Proce	ss Integration and Design Optimization	
	0	Optimization within a design cycle	
	0	Simulation Process Integration	
	0	Optimization: Basics and Single- and Multi-objective optimization	
	0	Topology Optimization	
	0	Design of Experiments (DoE)	
	0	Parameter Optimization	
	0	Response Surface/Meta-model methods	
	0	Robust design methodologies	
1.5	Options or fo	bliow on work	
	It is expected that regular training courses will be required by Dstl over the next three years. Requested courses could be requested to be either on-site (at Dstl Porton Down) or on-line, and could have between 1 to 15 attendees each.		
	Options for following Financial Years (FY) (which could be either FEA or CFD training) will be requested at the start of the relevant FY, or as required.		
	The approximate date upon which each Option will be instigated (if required) is as follows:		
	FY2023-2024 – 1 Option expected (TP2023.2)		
	FY2024-2025 – up to 6 Options expected (in Q1, Q2 x2, Q3, Q4 x2) (TP2024.1 – TP2024.6)		
	FY2025-2026 TP2025.6)	– up to 6 Options expected (in Q1, Q2 x2, Q3, Q4 x2) (TP2025.1 –	
	and applicatio	of CFD training could include: a code independent introduction to CFD theory on, advanced CFD theory and application, basic or specialist turbulence at transfer and particle tracking.	
		s proposal should include example prices for these Optional courses, i.e. 1 ne, 15 attendees on-line, 1 attendee on-site, and 15 attendees on-site.	



Title			Deliverables & Intellectual Property Rights (IPR)		
	Due by	Format	Expected classification (subject to change)	What information is required in the deliverable	IPR DEFCON/ Condition (Commercial to enter later)
Training course	T0+5 Months	In-person training course	0	Course notes to be provided after the course	DEFCON 705 shall apply
Training course	1 month from activation	In-person or remote training course	0	Course notes to be provided after the course	DEFCON 705 shall apply
		Fraining course 1 month from	Training course 1 month from activation In-person or remote training	Image: Second	Image: Constraint of the second sec

Notes- IPR should be inserted / checked by commercial staff before sharing with the supplier(s) to ensure accuracy.

Procurement Process

Date of issue Aug 2020

Insert Classification



Procurement Process

Date of issue Aug 2020

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1.7	Deliverable Acceptance Criteria
	Course successfully delivered at Dstl Porton Down (or remotely)

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)		
	□ ISO12207	(Systems and software engineering — software life cycle)		
	□ TickITPlus	(Integrated approach to software and IT development)		
	□ Other:	(Please specify below)		
2.2	safety, Enviror requirement	nmental, Social, Ethical, Regulatory or Legislative aspects of the		
	N/A			

3.	Security	
3.1	Highest security classificatio	'n
	Of the work	Official
	Of the Deliverables/ Output	Official
3.2	Security Aspects Letter (SAL)

Procurement Process

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	Not applicable	
	If yes, please see SAL reference-	
3.3	Cyber Risk Level	
	Not applicable	
	Cyber Risk Assessment (RA) Reference	
3.4	Cyber Risk Assessment (RA) Reference	
3.4	Cyber Risk Assessment (RA) Reference	
3.4		
3.4	N/A	

4. 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 (GFI for information for example), previous MOD Contracts and link to deliverables	Available Date	Issued by	Return or Disposal Date Please specify which
N/A	N/A	N/A	N/A	N/A	N/A

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5.	Blank
5.1	
5.2	

6.	Defcons
Defcon:	Covering:
76	Contractor's Personnel at Government Establishments
532B	Protection of Personal Data (Where Personal Data is being processed on behalf of the Authority)
539	Transparency
658	Cyber