

Statement of Requirement (SoR)

Reference Number	1000166522
Version Number	2.0
Date	26/08/2021

1.	Requirement
1.1	Title
	Pulse Power Lecture Series
1.2	Summary
	Lecture series and pack delivered by Loughborough University Enterprise Ltd (LUEL)
1.3	Background
	<p>Redacted under FOIA Section 40 – Personal Information is a world class expert in the subject of Pulse Power. Dstl need to grow understanding and capability for this subject within its staff to address the current and future needs of Defence. Redacted under FOIA Section 40 – Personal Information is nearing retirement and Dstl need to reference the subject information he can provide. Due to the complexity of the subject and availability of staff on the proposed dates, video recordings are required to support a slide pack for individual staff referencing.</p>
1.4	Requirement

	<p>Provision of a Pulse Power Lecture series by Redacted under FOIA Section 40 – Personal Info at Loughborough University.</p> <p>Two or more Dstl staff will attend in person.</p> <p>Deliverable 1: LUEL will provide a lecture series and live stream the lectures on MS Teams for Dstl staff viewing remotely.</p> <p>Deliverable 2: LUEL will provide power point slides of the lectures (lecture pack).</p> <p>Deliverable 3: LUEL will provide video recordings of the lectures.</p>
1.5	Options or follow on work
	Not Applicable

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	Lecture Series	13/09/2021 – 17/09/2021	Live presentation	n/a	Redacted under FOIA Section 23 - National Security	Presentation to include but not limited to: <ol style="list-style-type: none"> 1. Introductory lecture 2. Methods to calculate magnetic and electric fields 3. Methods to calculate inductance, force, resistance and capacitance 4. Transient phenomena and magnetic field diffusion 5. Introduction into transient signals and their analysis 6. Voltage sensors 7. Current, magnetic and electric field sensors 8. Ultrafast ns and sub-ns sensors 9. Photonic sensors 10. Numerical modelling 11. Capacitor bank technology 12. Safety issues 13. High-voltage pulsed generators 14. Opening and closing switches 15. Pulsed transformers 16. Inductive storage 17. Pulsed power applications 18. Fusion 19. PEF applications in the food industry, biology and medicine 20. Generation of ultrahigh magnetic fields 	DEFCON 90
D - 2	Lecture Slides	T0+3 Months	Presentation (.pptx)	n/a	Redacted under FOIA Section 23 - National Security	As above	DEFCON 90

D - 3	Video Recordings of Lecture Series	T0+3 Months	.wav or MP4 or similar.	n/a	<div>Redacted under FOIA Section 23 - National Security</div> As above	DEFCON 90
-------	------------------------------------	-------------	-------------------------	-----	--	-----------

***Technology Readiness Level required**

1.7	Standard Deliverable Acceptance Criteria
	Provision of deliverables (D-1, D-2, D-3) on time, on cost and to appropriate quality.
1.8	Specific Deliverable Acceptance Criteria
	N/A

2.	Quality Control and Assurance
2.1	Quality Control and Quality Assurance processes and standards that must be met by the contractor
	<input type="checkbox"/> ISO9001 (Quality Management Systems) <input type="checkbox"/> ISO14001 (Environment Management Systems) <input type="checkbox"/> ISO12207 (Systems and software engineering — software life cycle) <input type="checkbox"/> TickITPlus (Integrated approach to software and IT development) <input type="checkbox"/> Other: (Please specify below)
2.2	Safety, Environmental, Social, Ethical, Regulatory or Legislative aspects of the requirement
	Not Applicable

3.	Security	
3.1	Highest security classification	
	Of the work	Redacted under FOIA Section 23 - National Security
	Of the Deliverables/ Output	Redacted under FOIA Section 23 - National Security
3.2	Security Aspects Letter (SAL)	
	Redacted under FOIA Section 26 - Defence	
3.3	Cyber Risk Level	
	Redacted under FOIA Section 26 - Defence	
3.4	Cyber Risk Assessment (RA) Reference	
	<p>Redacted under FOIA Section 26 - Defence</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://www.gov.uk/guidance/supplier-cyber-protection-service</p>	

4.	Government Furnished Assets (GFA)				
GFA to be Issued - None					
<i>If 'yes' – add details below. If 'supplier to specify' or 'no,' delete all cells below.</i>					
GFA No.	Unique Identifier/ Serial No	Description: <i>Classification, type of GFA (GFE for equipment for example), previous MOD Contracts and link to deliverables</i>	Available Date	Issued by	Return Date or Disposal Date (T0+) <i>Please specify which</i>

GFA-1					

5.	Proposal Evaluation criteria
5.1	Technical Evaluation Criteria
	The Tenderers proposal will be evaluated against the requirement in this SOR and scored on a Pass / Fail measure.
5.2	Commercial Evaluation Criteria
	The Tenderers proposal will be evaluated against the requirement in this SOR and scored on a Pass / Fail measure.