Statement of Requirement (SoR)

Reference Number	[REDACTED UNDER FOI EXEMPTION]
Version Number	**0.1**
Date	**07/12/2023**

1.	**Requirement**
1.1	**Title**
	IPMO Procurement of Two Ionscan 600 IMS instruments
1.2	**Summary**
	The supplier shall provide two Ionscan 600 IMS instruments, enabling Type Approval to continue to detect trace drug contamination within a trace drugs facility. This will enable type approval evaluations of mobile preliminary drug test kits used in Law Enforcement.
1.3	**Background**

	Dstl are the Home Office nominated laboratory for mobile preliminary drug test device type approval testing. This is done by Type Approval, which is part of the Threat Detection Group (TDG). For a device to be approved for police use in the UK it must undergo testing in line with the requirements set out in "A Guide to Type Approval Procedures for Mobile Preliminary Drug Testing Devices used for Transport Law Enforcement in Great Britain [2013]". The current IonScan 500DT is ~12 years old and will soon not be supported by the manufacturer. Two new IonScans are needed for the Drug Drive Type Approval capability in order to support the ISO 17025 accreditation of the laboratory, and Dstl's evaluations of Preliminary Drug Testing Devices used by UK Police in the investigation of Drug Drive offences. The IonScan 600 instruments currently at Dstl are not configured to have the drugs libraries, [REDACTED UNDER FOI EXEMPTION]. The new instruments will reduce downtime of current system (repairs and maintenance), replace current system in medium term, and reduce radioactive source holdings. It will allow for long term maintenance of trace drugs facility, and for a real-time drugs contamination control process which can be utilised for current and future work, [REDACTED UNDER FOI EXEMPTION] Obtaining two instruments will provide capability resilience, and improve anticontamination procedures by allowing one instrument to be situated in a lobby area, to allow checks prior to entry to the trace drugs laboratory.
1.4	**Requirement**

	• 2 x Ionscan 600 IMS instruments (and associated consumables – swabs, verification pen, printer rolls, operator manual) • Low nanogram sensitivity for narcotics/drugs • Software requirements - Library configured for narcotics/drugs b. Mandatory/Essential Requirements The Supplier must ensure: • The system can successfully analyse sample containing trace levels of drugs (list provided below) following criteria; ○ Limits of detection of at least 100 ng / µL using the suppliers chosen ionisation source [REDACTED UNDER FOI EXEMPTION] • System life expectancy – at least 10 years with support for spares/repairs for the duration • Installation and commissioning must be completed by the Contractor at DSTL Porton Down in Type Approval's instrumentation laboratory. • After installation, support must be available to answer user queries, including how to add additional compounds to the library. These would cover troubleshooting equipment failures. Support shall be provided over telephone or email with a response time within approximately 5 days, with the option to get on-site support if needed. • The Contractor shall provide consumables directly or they should be available to purchase from a 3rd party. • Calibration, Service, Maintenance or Repair (CSMR) services should be available from the manufacturer and 3rd party as required. The contractor shall provide the CSMR requirements to enable reliable utilisation of the system. Desirable Requirements: • Procurement of the instrument should not incur a significant increase in consumables costs to Dstl. • A low training burden (software, operation, maintenance, etc.) to Dstl staff would be advantageous.
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** *(Commercial to enter later)*
1	2 Ionscan 600 IMS instruments	31/05/2024	N/A	N/A	O	• Full instrument delivery • Site installation requirements • Operating Manual • Maintenance Manual	[REDACTED UNDER FOI EXEMPTION]
D - 2	Gold cover for 12 months following the warranty period	31/05/2024	N/A	N/A	O	• Care (Maintenance) plan	[REDACTED UNDER FOI EXEMPTION]
D - 3	Delivery and installation	31/05/2024	N/A	N/A	O	• Installation documentation	[REDACTED UNDER FOI EXEMPTION]

***Technology Readiness Level required**

1.7	**Standard Deliverable Acceptance Criteria**
	As per Framework T&C's
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**
	☐ **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, Environmental, Social, Ethical, Regulatory or Legislative aspects of the requirement**

3.	Security	
3.1	**Highest security classification**	
	Of the work	O
	Of the Deliverables/ Output	O
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**	
	[REDACTED UNDER FOI EXEMPTION]	
3.4	**Cyber Risk Assessment (RA) Reference**	
	[REDACTED UNDER FOI EXEMPTION] 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	

4.	Government Furnished Assets (GFA)				
GFA to be Issued - No					
GFA No.	**Unique Identifier/ Serial No**	**Description:**	**Available Date**	**Issued by**	**Return Date or Disposal Date (T0+)**

5.	Proposal Evaluation criteria
5.1	**Technical Evaluation Criteria**

	• The system can successfully analyse sample containing trace levels of drugs (list provided below) following criteria;
	  ○ Limits of detection of at least 100 ng / µL using the suppliers chosen ionisation source
	  ○ [REDACTED UNDER FOI EXEMPTION]