

**BID CLARIFICATIONS****RFQ 629308-AY Mobile Pedestrian Radiation Portal Monitor**

**Closing Date and Time: 2024-01-05 17:00:00 CET, Vienna (Austria)**

**1. Bidder Question No. 1:**

In the 138858 – Specification document, there is no specific requirements regarding RPM sensitivity, for neither gammas nor neutrons. Could you please give more details about the sensitivity requirements? E.g., sensitivity compliance with IAEA NSS1, or IEC 62484 or IEC 62244?

**IAEA Response No. 1:**

Unit should meet IAEA-NSS1 requirements for pedestrian radiation portal monitors.

**2. Bidder Question No. 2:**

In the 138858 – Specification document, there is no mention of GPS. Since this is a mobile system, isn't GPS a requirement?

**IAEA Response No. 2:**

Unit is considered portable, not necessarily mobile therefore while GPS would be acceptable it is not required.

**3. Bidder Question No. 3:**

In the 138858 – Specification document, there is no mention of the required power supply for the RPM. Since this is a mobile system, would you please specify the requirements for: dual power supply (mains and batteries); UPS requirements; battery type and duration requirements.

**IAEA Response No. 3:**

Unit shall be able to operate on 220v single phase in accordance with IAEA NSS1.

**4. Bidder Question No. 4:**

In the 138858 – Specification document, there is no mention of the required connectivity for the RPM. Since this is a mobile system, isn't LTE connectivity a requirement?

**IAEA Response No. 4:**

LTE connectivity is not a requirement. However, the CAS equipment shall be able to connect to the internet through TCP/IP protocols.

**5. Bidder Question No. 5:**

Ref. 3.1.1 138858 – Specification. A single pillar RPM is required. Does it mean that a separated electronic box is not allowed?

**IAEA Response No. 5:**

No, it does not mean that a separate electronics box is not allowed. Provided that the electronics box meets the requirements of IAEA NSS1 it would be acceptable.

**6. Bidder Question No. 6:**

Ref. 3.3.2 x 138858 – Specification. Provision of horizontal scans profiles. Could you please give a more detailed explanation about it? Is it the measurement plot over the occupancy period?

**IAEA Response No. 6:**

Yes, it is a plot of response over time. Showing a separate plot for gamma and neutron.

**7. Bidder Question No. 7:**

Ref. 3.4.1 138858 – Specification. Windows 7 requirement. W7 is a discontinued and unsupported OS from Microsoft. This makes it subject to serious cybersecurity issues. Any specific reason for asking for W7? Are other and more advanced OS acceptable or preferable?

**IAEA Response No. 7:**

More advanced Windows OS are acceptable.

**8. Bidder Question No. 8:**

Ref. 8. 138858 – Specification. Final acceptance. Is it scheduled to take place on-site at the end-user's premises in Ukraine, or will it occur in Vienna? If it is to be conducted at the end-user's location in Ukraine, does IAEA require that the supplier (or a local partner designated by the supplier) must be physically present?

**IAEA Response No. 8:**

Final acceptance and training will take place at end-user's location in Ukraine. As this unit is portable and does not require installation, the acceptance testing and training may be accomplished virtually.

**9. Bidder Question No. 9:**

Ref. 9. 138858 – Specification. End User Training. Will the final training sessions be held at the IAEA premises, or will they occur locally at the end-user's facilities in Ukraine? If the training is to be conducted with the end-user in Ukraine, is the physical presence of the supplier required?

**IAEA Response No. 9:**

Final acceptance and training will take place at end-user's location in Ukraine. As this unit is portable and does not require installation, the acceptance testing and training may be accomplished virtually.

**10. Bidder Question No. 10:**

In the section of technical specification, there is no information about the number and specific size of the probe.

**IAEA Response No. 10:**

The number and size of all detectors is at the discretion of the supplier provided that the unit meets the detection capabilities outlined in IAEA NSS1.

**11. Bidder Question No. 11:**

In the section of technical specification, there is no information about the, Is neutron detection needed?

**IAEA Response No. 11:**

Yes, neutron detection is required. Detection should meet the standards of NSS1.

**12. Bidder Question No. 12:**

In the section of technical specification, there is no information about the, Is nuclide identification required?

**IAEA Response No. 12:**

No, nuclide identification is not required.

**13. Bidder Question No. 13,14,15:**

13. What is the value of the minimum detectable gamma radiation activity of the Monitor for different gamma radiation energies?

14. What is minimum detectable neutron radiation activity for different neutron sources the Monitor's should have?

15. At what distance from the detector the minimum detectable activity is normalized?

**IAEA Response No. 13,14,15:**

These values are all provided in IAEA NSS1.

**14. Bidder Question No. 16:**

What are the requirements for the gamma background level at the place of installation of the Monitor?

**IAEA Response No. 16:**

There is no requirement for the background level. As this is a portable instrument the background will fluctuate. The response of the unit in reference to background radiation is outlined in IAEA NSS1.

**15. Bidder Question No. 17:**

Is there any limitations about the dimensions and weight of the Monitor?

**IAEA Response No. 17:**

There are minimum dimensions provided in IAEA NSS1 for personal radiation monitors. The unit should meet those minimum standards. This is intended to be a portable unit therefore assembly, disassembly and transport should be able to be done by 2-3 individuals with minimal tool requirements.



**IAEA**

International Atomic Energy Agency

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**16. Bidder Question No. 18:**

My question is related to any performance specification(s) for this Mobile Pedestrian Radiation Portal Monitor (RPM). Can you please tell me where to find these?

**IAEA Response No. 17:**

The performance specifications are in IAEA NSS1.