



Request for Expression of Interest

Upgrade of Perimeter Intrusion Detection System



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Acronyms

The following acronyms shall apply throughout the Request for Expression of Interest (EOI):

EIO	Request of Expression of Interest
IAEA	International Atomic Energy Agency
MTPS	Office of Procurement Services
PIDS	Perimeter Intrusion Detection System
RFP	Request for Proposal
SLSS	Seibersdorf Laboratories Services Section
UN	United Nations
UPS	Uninterruptible Power Supply



Background

The International Atomic Energy Agency (hereinafter referred to as the “IAEA” or the “Agency”) is widely known as the world’s “*Atoms for Peace and Development*” organization within the United Nations (UN) family.

Established in 1957 as the world’s centre for cooperation in the nuclear field, the IAEA works together with its Member States and multiple partners worldwide to promote the safe, secure and peaceful use of nuclear technologies.

Detailed information about the work of the IAEA is available at www.iaea.org.

1. Physical Security in Seibersdorf Laboratories

Since 2015, the IAEA is utilizing a Perimeter Intrusion Detection System (PIDS) in the Seibersdorf Laboratories located at Friedensstrasse 1, 2444 Seibersdorf, Austria.

The Seibersdorf Laboratories Services Section (SLSS) is responsible for the technical operation of the PIDS, including facilitating technical support via an external technical provider and providing access to notifications produced by the system to the Security Services Contractor.

For the purpose of this Request of Expression of Interest (EOI), the focus is on finding a suitable solution to enhance existing PIDS in the area of advancing the quality of detection of intrusion.

2. Identification of new Functional Requirements

It has been more than five years since the design and implementation of the current PIDS. The SLSS is considering an upgrade of existing PIDS to enable detection of overclimbing and fence breakthrough.

This EOI is targeted towards manufacturers, authorized resellers, and system integrators (hereinafter referred to as “Vendors”) to provide information on their PIDS and address the requirements of this EIO.

3. Overview of the Process

The IAEA plans the selection of a suitable technical solution that would address the issues mentioned in Section 2 through a two-phase approach:

3.1. Phase I – Request for Expression of Interest

1. IAEA solicits Vendors to provide an “Expression of Interest”;
2. IAEA fields and answers any Vendor questions where clarification is needed;
3. IAEA receives responses from Vendors who are interested in being considered;



4. IAEA evaluates the Vendor response against predefined criteria, including Vendor qualification and capacity to offer as follows:
 - 4.1. On-site maintenance and support at the Laboratories in Seibersdorf, Austria with predefined response times; and
 - 4.2. Technical solution compatible with the existing IAEA's Security Management System (Honeywell Winmag) and Video Management System (Milestone XProtect).
5. IAEA requires short-listed Vendors to accept and sign the IAEA's Confidentiality Agreement (available in Annex I to this EIO);
6. IAEA establishes a list of qualified Vendors; and
7. IAEA issues a Request for Proposal (RFP) to the qualified Vendors.

3.2. Phase II – Request for Proposal

1. The IAEA organises an on-site meeting (Bidder Conference) to familiarise Bidders with the premises and existing technical details (wiring, layout, distances etc.) at the Laboratories in Seibersdorf;
2. Bidders will be requested to provide a detailed technical and financial proposal for the following lots:

LOT I – A pilot project of limited scope to confirm that a proposed technical solution addresses the requirement of overclimbing and fence breakthrough detection. The technical solution shall be installed on a fence with a length of 100–150m. Bidders will be required to provide a fixed price for the pilot implementation, considering the following components:

- a) Hardware (e.g., controllers, detectors, cameras, etc.);
- b) Software to operate the system in a test mode; and
- c) Labour effort to undertake installation/dismantling.

Although the pilot project may consist of a 100–150m fence line, if the benefits are understood to be significant, the installation would need to be scalable and accommodate approximately 1,900m (entire premises). Bidders will be required to indicate the time necessary for the implementation of the pilot project. The IAEA may select several pilot projects for testing. Subject to the outcome of testing, the IAEA may select a Contractor(s) for the implementation of requirements under LOTS II and III.



LOT II – Scale-up of LOT I installation to cover the entire premises. The Contractor will be requested to:

- a) Offer the hardware and software necessary, including on-site installation, configuration and testing, and complete technical solution deployment;
- b) Integrate the existing Security Management System (Honeywell Winmag) and Video Management System (Milestone XProtect) with the new technical solution; and
- c) Offer a maintenance and support contract for up to ten (10) years for the deployed technical solution.

LOT III – Upgrade of existing PIDS infrastructure. The Contractor will be requested to:

- a) Offer an upgrade of the Honeywell MB256+ alarm system to the latest version; and
- b) Extend the power supply of the complete fence line with two (2) Uninterruptible Power Supply (UPS) systems at two (2) central locations defined by the IAEA.

Vendors can bid for all lots, LOTS I and II, or LOT III

Based on the information provided, IAEA will perform a combined technical and commercial evaluation and identify a Bidder whose bid offers the best value for money.

4. Scope of the Expression of Interest

The scope of the EOI is to:

1. Inform the IAEA of your company's desire to participate;
2. Provide the completed Questionnaire (Vendor Qualification, Mandatory Requirements, Compatibility Matrix and Quality Requirements);
3. Describe, without providing pricing details, how your company would install a recommended technical solution to address the requirements of overclimbing and fence breakthrough detection on a segment of a fence with a length of 100–150m as part of a pilot project;
4. Describe how the software licensing model for the proposed technical solution is structured;
5. Be ready to participate in Phase II – Request for Proposal if short-listed.



5. Expression of Interest Guidelines

5.1. EOI closing Date and Time

Please submit your company's response to this EOI by **2 September 2022 17:00HRS Vienna, Austria**.

Kindly submit your company's response to this EOI by addressing points 1–5 listed in the section "Scope of the Expression of Interest".

5.2. IAEA Point of Contact

All correspondence and questions relating to this EOI should be addressed to the following point of contact by email:

Yury Golovkov (Mr)
Procurement Officer
Office of Procurement Services
International Atomic Energy Agency
Email: y.golovkov@iaea.org

5.3. Company and Product Presentations

Vendors participating in this EOI may be requested to arrange a general presentation of their company and arrange for a demonstration of their product to the IAEA (e.g., remotely or on-site). Any company presentations or demonstrations shall be at the company's expense.

5.4. Non-Binding

This EOI does not constitute a solicitation. At no point shall any exchange of communication be understood to be contractually binding. The IAEA reserves the right to change or cancel the requirement at any time during the EOI.

Submitting a reply to this EOI does not automatically guarantee that your company will be considered for receipt of the solicitation when issued.