

## TECHNICAL SPECIFICATION

### FOR DELIVERY, INSTALLATION AND COMMISSIONING OF SAFETY INSPECTION EQUIPMENT

<u>EXPLOSIVE TRACE DETECTOR</u>	
<u>Minimum technical performance and functional requirements</u>	
<b><u>1.</u></b>	<b><u>PURPOSE</u></b>
1.1	For the detection and identification of explosives, by collecting and analyzing particles of them.
<b><u>2.</u></b>	<b><u>PRINCIPLE OF OPERATION</u></b>
2.1	Double (with two detectors) Ion-Mobile Spectrometry or similar technology, providing the intended application.
<b><u>3</u></b>	<b><u>TYPE OF APPLIANCE, APPLICATION AND DIMENSIONS</u></b>
3.1	Table, compact and light (up to 15 kg.) For easy carrying and use.
<b><u>4.</u></b>	<b><u>SAMPLING METHOD</u></b>
4.1	By sampling particles from the surface of the inspected object or an alternative method allowing effective inspection of luggage, persons, vehicles, cargo, mail and documents.
<b><u>5.</u></b>	<b><u>SAMPLING DEVICES</u></b>
5.1	The sampling device and the material from which it is made may be used for sampling for explosives. If the device has restrictions during the period of operation, this restriction must be clearly identifiable for users - counter for the number of samples before changing the tampon or similar.
<b><u>6.</u></b>	<b><u>SAMPLE ANALYSIS</u></b>
6.1	Direct, without the need for preliminary preparation of the sample.
<b><u>7.</u></b>	<b><u>ABILITY TO DETECT AND IDENTIFY EXPLOSIVES</u></b>
7.1	Minimum: TATP, HMTD, TNT, NG, RDX, PETN, Tetryl, Ammonium nitrate (and their derivatives).
<b><u>8</u></b>	<b><u>TIME FOR DETECTION AND IDENTIFICATION</u></b>
8.1	Maximum: 30 seconds
<b><u>9.</u></b>	<b><u>PREPARATION FOR WORK</u></b>

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9.1	Enter standby mode after switching on the appliance for a maximum of 30 minutes.
<b><u>10.</u></b>	<b><u>MANAGEMENT AND CONTROL:</u></b>
10.1	Through a built-in control panel, without the need for an external computer or other auxiliary device.
<b><u>11.</u></b>	<b><u>VISUALIZATION OF RESULTS</u></b>
11.1	11.1 Color screen, to display the parameters (type, etc.) of the detected substance or substances.
<b><u>12.</u></b>	<b><u>ACOUSTIC SIGNALING</u></b>
12.1	The results of the analysis should also be recorded by acoustic signals.
<b><u>13.</u></b>	<b><u>DOCUMENTATION OF RESULTS</u></b>
13.1	Built-in or external printer for documenting data related to system settings and test results.
<b><u>14.</u></b>	<b><u>DATA TRANSFER</u></b>
14.1	To be able to serial and / or network connection with external devices for data transmission purposes.
<b><u>15.</u></b>	<b><u>EXTERNAL POWER SUPPLY</u></b>
15.1	Single-phase: 230 V +/- 10%; 50 Hz.
<b><u>16.</u></b>	<b><u>PROTECTION</u></b>
16.1	Have built-in temperature protection against overheating of components.
<b><u>17.</u></b>	<b><u>WORKING ENVIRONMENT</u></b>
17.1	Must be able to work continuously under normal working environment conditions indoors.
<b><u>18.</u></b>	<b><u>CONSUMABLES</u></b>
18.1	For each detector, to be provided all consumables and spare parts necessary for the normal operation of the device - calibrators, reactants or similar, depending on the type of equipment offered, for a period of 3 years, at an estimated cost of 85,000 / eighty-five thousand / samples per year.  The replacement of the consumables should be done by trained personnel of the Assignor or to provide the necessary visits by the Contractor for the three-year warranty period.
18.2	Each detector of explosives, to be delivered with a package of consumables for sampling (swabs or similar, depending on the type of equipment offered), for 1 / one / year, at an estimated cost of 85,000 / eighty-five thousand samples for the year.
18.3	Consumables should not require special storage conditions (eg refrigerators or other).
<b><u>19.</u></b>	<b><u>COMPLIANCES</u></b>

	<b><u>EXPLOSIVE TRACE DETECTOR</u></b>
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19.1	ECAS document that explosive detection equipment meets all the requirements of the applicable ETD standard under EU Regulation 2015/1998 (Commission Decision C 2015/8005) or to be present as an approved device on the ECAC website for equipment testing ( <a href="https://www.ecac-ceac.org/activities/security/common-evaluation-process-cep-of-security-equipment">https://www.ecac-ceac.org/activities/security/common-evaluation-process-cep-of-security-equipment</a> ).
19.2	If there are sources of ionizing radiation in the device, the participant must have a License to work with sources of ionizing radiation for the purpose of maintenance of the equipment.
19.3	Have an EU Stamp or EU Stamp pending mark awarded by the European Commission.
<b><u>20.</u></b>	<b><u>DOCUMENTATION</u></b>
20.1	To be accompanied by a technical description and manual for work in Bulgarian and English (CONOPS).
<b><u>21.</u></b>	<b><u>TRAININGS</u></b>
20.1	To train 10 employees of the Assignor to work with the device.
<b><u>22.</u></b>	<b><u>DELIVERY AND COMMISSIONING</u></b>
22.1	Delivery, installation and commissioning of the detector for detection of explosives on the territory of Sofia Airport within 120 / one hundred and twenty / days from the date of conclusion of the contract.
22.2	Carrying out functional tests, confirming compliance with the requirements of this technical specification, as a mandatory condition for accepting the detector for detection of explosives and signing a handover protocol.
<b><u>23.</u></b>	<b><u>WARRANTY AND WARRANTY SERVICE</u></b>
23.1	Warranty of at least 36 months
23.2	During the warranty period, all manufacturer's maintenance commitments (including all parts and consumables required for the normal operation of the appliance) are at the contractor's expense.
23.3	in case of a warranty problem with the equipment, which lasts more than 24 hours, the Contractor is obliged to provide a similar revolving device until the problem is eliminated.

## **INSTRUCTIONS FOR THE PREPARATION OF OFFERS AND REQUIREMENTS**

### **1. REQUIREMENTS FOR TENDERERS**

Any interested person who satisfies the requirements of the invitation and its annexes may submit a tender.

### **2. REQUIREMENTS FOR DOCUMENTS**

2.1. Any interested party shall prepare and submit a tender which fully complies with the conditions set by the contracting authority in the invitation to tender and its annexes.

2.2. The tender shall be submitted in the form of a written proposal, in accordance with the 'Tender' template (Annex 3 to the invitation to tender).

2.3. The tender and all documents attached to it must be signed by the tenderer's representative in accordance with the tenderer's current registration, or by an expressly authorised representative, as evidenced by a power of attorney.

2.4. The tender and all documents contained therein shall be drawn up in Bulgarian and in English.

2.5. Each tenderer may submit only one tender.

2.6. Failure to submit any of the documents listed in point 4 and submission of a tender which does not comply with the conditions, content and requirements set out in the invitation to tender and its annexes shall be grounds for non-examination of the tender submitted.

2.7. The tenderer shall submit a tender within the time limit specified by the contracting authority in the invitation.

### **3. DOCUMENTS DEMONSTRATING THE CRITERIA TO BE MET BY THE TENDERERS**

3.1 \*Bidders must possess and submit a copy of a valid license to work with sources of ionizing radiation, certified by the bidder, for the purpose of equipment maintenance.

\* The selection criterion applies to the participant if the proposed equipment contains sources of ionizing radiation .

3.2. A certified copy by the participant of a document issued by ECAS /ECAC/ that the explosives detection equipment meets all the requirements of the applicable ETD standard according to Commission Regulation EU 2015/1998(Decision C 2015/8005) or to be present as an approved instrument in the ECAC equipment testing website (<https://www.ecac-ceac.org/activities/security/common-evaluation-process-cep-of-security-equipment> ).

3.3. The equipment proposed by the tenderer shall bear the "EU Stamp" or "EU Stamp pending" mark awarded by the European Commission , for which an appropriate document shall be submitted, in a copy certified by the tenderer.

3.4. Technical description and operating manual in Bulgarian and English (CONOPS) of the manufacturer of the proposed equipment.

3.5. Certificate according to BDS EN ISO EN 9001:2015, or equivalent, within the validity period for the implemented quality management system of the participant, with certified scope according to the subject of the contract.

3.6. References from contractors on contracts executed by the tenderer for the supply of explosives detection equipment.

3.7. The Bidder shall have at least one qualified person with professional competence for the installation, commissioning and warranty maintenance of the equipment, trained and certified by the manufacturer of the proposed equipment subject to the contract or by a person authorized by the manufacturer.

When submitting a tender, the tenderer must provide a list of the personnel who will carry out the contract, indicating the professional competence of the person(s).

#### 4. PRESENTATION AND CONTENT OF THE OFFER

4.1. Tenders shall be sent electronically, electronically signed with a valid electronic signature to the following e-mail address: [procurement@sof-connect.com](mailto:procurement@sof-connect.com).

4.2. Tenders may also be submitted on paper by the tenderer, or by a representative authorised by the tenderer, in person or by registered post or other courier service with acknowledgement of receipt, at the address indicated by the contracting authority. The cost of postal/courier service for delivery by post or courier shall be borne by the Bidder.

In this case, tenderers shall submit their tenders in a sealed envelope marked:

**To "SOF Connect"**  
**"Christopher Columbus" No 1**  
**Sofia 1540**  
**OFFER**  
**for participation in a tender with subject:**  
**"DELIVERY, INSTALLATION AND COMMISSIONING OF 7 /SEVEN/  
EXPLOSIVES TRACE DETECTION EQUIPMENT".**

The envelope shall also bear the name and address of the tenderer, a telephone number and, if possible, a fax and e-mail address.

4.3. Tenders must be received at the above address of SOF Connect (or at the e-mail address indicated) no later than 16:00 on the 14th / fourteenth / working day following the day of publication on the website of the Contracting Authority, or sending of an invitation to certain persons.

4.4. In case of acceptance of paper tenders, the package shall be marked with the incoming number, date and time of receipt. These data shall be recorded in the SOF Connect's incoming register. Tenders received by e-mail shall also be entered in the register.

4.5. Interested parties shall submit a tender with the following content:

4.5.1. Completed and signed by the bidder Bid form, in accordance with Annex 3 to the invitation.

4.5.2. Completed and signed model of the "Proposed Price" - Annex No 4 to the invitation.

4.5.3. The documents referred to in point 3 above.

## 5. PRICE

5.1. The price shall include all costs necessary for the performance of the subject of the contract (transport, customs duties, etc.) and shall be prepared in accordance with the price proposal template - Annex 4 to this invitation.

5.2. The proposed price shall include all costs incurred by the tenderer for carrying out all types of activities related to the execution of the contract in accordance with the requirements of the Terms of Reference.

The Tenderer shall draw up its price proposal on the basis of the instructions of the Contracting Authority set out in the Tender Documents and in accordance with the template of the 'Tendered Price'.

## 6. EXAMINATION OF TENDERS, EVALUATION AND RANKING

The bids received will be examined by the Contracting Authority in accordance with the requirements of the invitation and its annexes, and the Contracting Authority reserves the right to request further clarifications, explanations, documents on the bids submitted. In case of necessity, the Contracting Authority may conduct additional negotiations with the successful tenderers or the contractor appointed for the contract.

## 7. QUESTIONS AND ANSWERS

SOF Connect will answer all questions regarding the tender procedure, duly sent to the e-mail address: [procurement@sof-connect.com](mailto:procurement@sof-connect.com)

In the interest of equality of all Participants, SOFConnect will send to all Participants any response that may be relevant to the development of the Technical and Financial Proposal.

Up to 3 (three) working days before the expiration of the deadline for receipt of tenders specified in the Request for proposal, persons may request in writing from the contracting authority clarifications on the terms of the contract.

## 8. WARRANTIES

8.1. The Bidder appointed as the contractor for the Contract shall provide, before the date of conclusion of the Contract, a guarantee for the funds advanced /if so declared in the Bid/ in an amount equal to the amount of the funds advanced, but not exceeding 30% (thirty percent) of the value of each bid including VAT (if applicable). The security to secure the advance payment shall be in the form of a bank guarantee (Form 4).