**Annex C**

**TECHNICAL SPECIFICATIONS**

**FOR ITEM 1**

**HANDHELD SCREENING SYSTEM FOR CARGO AND VEHICLE INSPECTION**

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| Ref No. : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Item No. : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Item Description : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| Manufacturer : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Origin : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Model : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **IOM’S SPECIFICATIONS** | **BIDDER'S SPECIFICATIONS** |
| **PURPOSE**  The device will be used by border police for discovering different types of contrabands in hard–to-reach areas. | |
| **USER’S REQUIREMENTS**  The portable imaging system will permit:  a) fast and easy cargo and vehicle inspection  b) Inspection with duration not less than 8 hours, with power supply by storage batteries. |  |
| **1. SPECIFICATIONS** | |
| 1. X-ray source: 10watt 70KeV X-ray tube; |  |
| 1. Conforms to applicable ANSI, ICRP, NCRP, and Euratom radiation safety standards for annual allowable dose for the general public; |  |
| 1. To help prevent inadvertent X-ray emission, the system is to be equipped with interlocks and/or audiovisual indicators; |  |
| 1. Time for initially turning on – not over than 60 sec; |  |
| 1. Display – at least 7” Tablet PC Windows 8.1 or 10 with ASE Inspection Software; |  |
| 1. The tablet must be able to connect through built in Wi - Fi or optional hardwire via Etnernet cable; |  |
| 1. Possibility for digital recording of pictures in JPEG format on the tablet or flexible data carrier of the inspected image and its review; |  |
| 1. Touch zoom of the images up to 16X magnification zoom; |  |
| 1. Input for power supply; |  |
| 1. Visualization of information for battery condition and the momentary capacity of the carrier for image recording; |  |
| 1. Power supply – from battery with resource for continuous work not less than 4 hours;   \*Two (2) batteries to be provided; |  |
| 1. Automatic set up in operation mode and STAND BY; |  |
| 1. Working temperature from - 00 C to +450 C; |  |
| 1. Storage temperature from -350 C to +550 C; |  |
| **1.2 Accessories**  **The screening device to be compliant with:** | |
| 1. Rugged transport case; |  |
| 1. Shoulder strap; |  |
| 1. Storage batteries – the number of batteries to allow 8 hours of continuous work of the device without recharging; |  |
| 1. Recharging device for batteries with international power cords; |  |
| 1. Calibration Dock; |  |
| 1. ASE Inspection software to enable the system operation, manage the data, and analyse the images; |  |
| 1. Quick start guide; |  |
| **1.3 Requirements to the documentation for exploitation and maintenance** | |
| 1. The documentation describing the work of the operator, as well as the system to be in Macedonian and English language.   One set of the documentation must be provided not later than one month before the delivery of the equipment. |  |
| **1.4 TRAINING** | |
| 1. Two days training for using devices. Place and number of participants will be defined by the final beneficiary. |  |
| Quantity: **4 pieces** |  |
| Delivery site: **Ministry of Interior (MoI)** |  |
| Delivery period: **60 calendar days** |  |
| Warranty: **At least 24 months after provisional acceptance supported with document describing the conditions of the warranty.** |  |

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*Supplier’s authorized signature over printed name*