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***Annex 1 to the Invitation –Description of the Subject of the Contract
Competition for tender No. 2/2025***

The subject of the contract is the supply of a complete converter device (hereinafter: “Device”) together with training services, necessary for the implementation of the “SAT2Rescue” project Secured SATCOM-based solution enhancing emergency services and search & rescue missions , co-financed by the European Union (“EU”) represented by the European Union Agency for the Space Programme - the body delegated by the European Commission (Project 101180110 - SAT2Rescue - HORIZON-EUSPA-2023-SPACE, 4.10.2024).

The SAT2Rescue project, within the framework of which the Employer will implement the Subject of the Contract, is intended to introduce a state-of-the-art solution for emergency services and for telemedicine applications in the framework of humanitarian aid, using the infrastructure and services of GOVSATCOM - a European Union initiative providing secure satellite communications for governments and organisations.

The equipment necessary for the implementation of the aforementioned project is strictly specialised equipment, which must meet all the technical requirements specified by the Employer in the Description of the Subject of the Contract.

Scope of the Subject of the Contract within the framework of the conducted purchasing procedure:

1. Supply of one complete converter device (hereinafter: “Device”) in the form of two 1RU sized narrowband units with integrated power supplies, which can be interconnected in a point-to-point topology and which will be fully compatible with each other.

The offered Equipment referred to in para. 1 must meet the requirements described below:

- 1) Enable bi-directional point-to-point - full duplex connection,
- 2) Provide lossless transport from 1 MHz to 50 MHz (in 1 MHz steps) of RF spectrum over a public or private IP network with faithful reproduction of the RF spectrum using the VITA 49 or DIFI standard.
- 3) Have a configurable transport time delay (to take into account network delay and jitter) of up to 750 ms
- 4) Carry out sampling (from 4 to 12 bits per sample)
- 5) Operate in the RF band from 950 MHz to 2150 MHz
- 6) RF input range of the device: -60 to 0 dBm
- 7) RF output range of the device: -40 to -5 dBm
- 8) Device power supply: 100/240 VAC, 50/60 Hz
- 9) Manufactured in 1U housing for 19" cabinets,

- 10) Meet environmental conditions: operating temperature between 0° and 50°C, relative humidity during operation: between 0% and 90% without condensation
 - 11) Provide Mean Time Between Failure (MTBF) of the device: 148,920 hours (17 years)
 - 12) Ensure data integrity through Packet Forward Error Correction (PFEC)
 - 13) Support time and frequency reference supplied via: IRIG-B, IRIG-DC, 1 PPS, 10 MHz
 - 14) Data transport via UDP unicast or multicast, Ethernet port 1 Gbps, RJ45 connector
2. Provision of a 36-month warranty with a warranty service provided by the manufacturer (or by entities authorised by the manufacturer) in accordance with the requirements described in point 6 below for the Equipment.
 3. Remote training of minimum 3 hours in the configuration and use of the Equipment, provided by the equipment manufacturer, for a group of at least 8 users
 4. Remote configuration support for the Equipment amounting to at least 8 hours, provided by the equipment manufacturer, within 30 days of the delivery of the Equipment.
 5. The reference device that meets the customer's requirements is the SpectralNet Narrowband model.

The reference model of the solution for the ordered Equipment:



The end user of the Equipment will be the Employer.

Furthermore, the Employer requires that:

1. The Equipment is brand new (in original packaging containing all factory-packed materials).
2. The Equipment has been delivered with all the necessary materials required for installation and commissioning.
3. The equipment came from a legitimate distribution channel.
4. The equipment was covered by the manufacturer's warranty and warranty service provided by the manufacturer (or by entities authorised by the manufacturer), which will be confirmed by the original warranty cards.

5. The period of the warranty and technical support should be guaranteed for at least the period indicated in the Description of the Subject of the Contract and the Contractor's tender.
6. The warranty service for the supplied Equipment, under the warranty referred to hereinabove, should be provided by the manufacturer (or by entities authorised by the manufacturer) on the following terms and conditions:
 - 6.1. The service shall be available ~~7 days a week, 24 hours a day~~ **for 5 days a week (Monday – Friday), between the following hours [8:00 a.m. and 4:00 p.m.,** and shall be provided via phone or e-mail or via the IT tool/website of the manufacturer of the Equipment indicated by the Contractor.
7. The Contractor shall, not later than on the date of delivery of the Device, provide the Employer with complete user documentation for the Device in English prepared by the Manufacturer of the Device.
8. The Contractor shall, not later than on the date of delivery of the Device, provide the Employer with access to the notification system of the Manufacturer of the Device for technical support needs, which shall be active for 36 months from the date of delivery of the Device to the Employer.
9. The Manufacturer of the Device shall provide the remote training in the configuration and operation of the Device for at least 3 hours to a group of minimum 8 users designated by the Employer.
10. The Manufacturer of the Device shall provide remote support to the Employer in the configuration of the Device for at least 8 hours, within 30 days of the delivery of the Device.
11. The Contractor shall, for the duration of the warranty and support for the Device, provide free access to software updates for the Device.
12. Furthermore, for the offered Device, the Contractor undertakes to provide the Employer, free of charge, with all required licence and activation keys, so that the Device has all functionalities made available by the Manufacturer of the Device active.
13. The Employer requires the provision of a non-expiring licence for the supplied System for its use
14. By a non-expiring licence, the Employer shall mean a licence granted for an indefinite period of time, in respect of which the licensor unconditionally waives the right of its termination and cancellation.
15. Within the scope of the warranty granted for the offered Device, the Employer shall have the right to download patches, updates and new software versions in a manner that does not infringe upon the rights of the developers and the owner of the copyright and does not restrict the rights of the Employer to use this Device.
16. The Employer may exercise warranty rights independently of the rights under the quality guarantee.

ATTENTION!

- In all places in this Invitation where an exemplary trademark, patent or origin is used, it is justified by the specificity of the subject of the contract and the Employer cannot describe the subject of the contract using sufficiently precise terms.
- The Employer will recognise as equivalent those solutions which are based on equivalent arrangements as to the subject of the contract and will meet the minimum requirements which are met by the product described by using an exemplary trademark, patent or origin.



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- A contractor who invokes equivalent solutions described by the Employer is obliged to prove in his offer that the subject of the supply offered by it meets the requirements specified by the Employer.
- The burden of proof for proving the equivalence of the solutions offered with the solutions described by indicating an exemplary trademark, patent or origin, rests with the Contractor submitting an equivalent offer.