



***Annex 1 to the Invitation - Competition for tender No. 06/2026
- Description of the Subject of the Order***

The subject of the contract is the supply of a **satellite modems 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.

Description of the Subject of the Order:

1. Modem Datum M7XC – 4 pcs
2. M7XC-ODU Outdoor Chassis for the modem with mounting kit – 4 sets
3. Optional additional functionality for each modem (besides those listed below in the description):
 - a. TX Waveform DVB-S2X, RX Waveform DVB-S2X and/or Segmented 16 TX Channels, Segmented 16 RX Channels, so support for Waveforms: ACM FlexLDPC and/or DVB-S2X and/or Segmented 16 RX Channels, simultaneously.
 - b. Smart Carrier and Hub Carrier Cancelling
4. Warranty – 36 months
5. Online Support - 20 hours per year for two years from delivery
6. Training in modem operation and configuration for various architectures (one remote training for a group of up to 8 participants, after delivery modems):
 - a. Point-to-Multipoint
 - b. Point-to-Point
 - c. Mesh
 - d. Hybrid

Description:

M7XC Satellite Modem, including:

- Platform: 10E00 - Compact case with built in fan self cooling, Desktop or integratable form factor, Standard AC to DC Prime Power (Euro Cord), No BUC power.
- Transmit Options: F042 - ACM FlexLDPC TX Waveform (Optionable to 72Msps or 85Mbps Max), 55Msps TX Symbol rate, FlexLDPC BPSK, QPSK, 8APSK, 16APSK.



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- Receive Options: F064 - ACM FlexLDPC RX Waveform (Optionable to 72Msps or 85Mbps Max), 16 LDPC Demods (85Mbps / 72Msps) Max Aggregate, 55Msps RX Symbol rate (aggregate if multi-demod).
- Advanced Options: 000 – None
- OpenAMIP support
- Network Architectures Supported:
 - Point-to-Multipoint
 - Point-to-Point
 - Mesh
 - Hybrid
- 1:1 Redundancy Operation
- BUC and LNB 10 MHz Reference
- LNB Output Power: Off, +13 or +18 VDC, 500ma