

## **nomadSOS by ecall-ivs.eu** effective cost combined IVS & FMS/PTD platform

**nomadSOS by ecall-ivs.eu** is a combined eCALL IVS & fleet management platform-FMS (or personal tracking device- PTD), providing effective TCO aftermarket implementations with eCALL and GPS tracking functionalities.

Using state of the art integrated GPS/GNSS receiver with integrated antenna, nomadSOS by ecall-ivs.eu platform, provide accurate information regarding heading, time and location information. Based on 4'th generation GPRS bi-directional communication, nomadSOS by ecall-ivs.eu provide easy and fast installation with „on site zero configuration“. All editable parameters (eCALL and FMS/PTD) are administered on centralized manner using WEB based admin interface. Our „on site zero configuration“ delivers instant functionality after initial startup, without any on site programming required. All you need is to plug a regular GPRS service enabled SIM card (no fixed IP...). There are also several technologies (without GPRS support), available on request, for in field eCALL IVS configuration parameters upload.

### nomadSOS by ecall-ivs.eu v1+3/8 eCALL conformity and specifications

- EN 16062/2012
- EN 15722/2012
- support for EN 16062/2013 proposals
- support for HVG/GV MSD proposals
- ISO/IEC 8825-2
- 3GPP TS 26 267
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- incident to emergency dial time: typical 18sec
- 1'st MSD success rate (PUSH): > 98.50%
- 1'st MSD success rate (PULL-EN 16062/2013 proposals): > 98.50%
- retransmission MSD success rate (PULL mode/PSAP requested): > 98.50%

### nomadSOS by ecall-ivs.eu v1+3/8 interoperability compliance (tested with)

- Romanian PSAP (in HeERO project test sessions)
- Germany PSAP (in HeERO project test sessions)
- Netherlands PSAP (in HeERO project test sessions and at TestFest II)
- Croatia PSAP (at TestFest II)
- Czech Republic PSAP (at TestFest II)
- Luxemburg PSAP (at TestFest II)
- Greece PSAP (at TestFest II)
- Italy PSAP (at TestFest II)
- other PSAPs from several solution providers



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## nomadsOS by ecall-ivs.eu v1+3/8 preliminary hardware specifications

- integrated GSM and GPS antennas version
- case(stand alone) and pins-slot(for board to board integration) versions
- compact robust design 88x56x23 mm(case version)/84x52x12mm(pins-slot version)
- on site zero configuration
- high range power supply input voltage: 6-38V
- low current consumption: 35mA/12V typical
- working temperature range: -40C -> +85C
- quad band GSM 850/900/1800/1900 MHz, -107dB sensitivity
- GPS/GNSS sensitivity -165/148dB(tracking/autonomous acquisition)
- GPS/GNSS sampling accuracy:
  - 15m (2D) CEP / v<5km/h,
  - 7.5m (2D) CEP / v>5km/h
- GNSS support:
  - GPS,
  - GLONASS,
  - EGNOS (SBAS),
  - GALILEO (currently under testing)

## nomadsOS by ecall-ivs.eu v1+3/8 hardware interfaces

- automatic eCALL trigger digital interface
- manual eCALL trigger button interface
- eCALL status LED interface
- balanced audio input
- balanced audio output
- external audio mute digital output interface
- external temperature digital sensor interface (1Wire)
- hardware expansion interface for future improvements
- iButton interface
- ADC interface

Designed in Romania, by R&D Software Solutions's team, winner of "GST SSC Bronze Award". More information on <http://ecall-ivs.eu> or by email: [dragos@ecall-ivs.eu](mailto:dragos@ecall-ivs.eu).



document version 1.22 /2013-09-18