

Declaration of Conformity - EU RED

Manufacturer:

Name: M-Tec Trackunit A/S
Address: Gasvaerksvej 24 4.sal
DK-9000 Aalborg
Phone: +45 9673 7400

Declares that the product:

Brand name: Trackunit
Type: ME500-x, TU500-x where x = [1...13]

CE mark: 

Intended use: A GSM/GPRS based fleet management unit with configurable surveillance of up to 4 digital inputs, 1 digital output, GPS position, acceleration sensor and 1-wire, CAN-bus, RS232 interfaces and an optional I/O board.
Variable SIM card interface: 1-SIM, 2-SIM or E-SIM and variable flash memory size (0.5 MB / 1.0 MB).

Complies with the essential requirements of the Directive 2003/37/EC and Directive 2006/42/EC, when used as intended and that the following standards have been applied:

- 1 Emission/Immunity (Forestry and agricultural tractors and all kinds of mobile agricultural machinery):
Applied standard(s) EN ISO 14982 Version 2009

Complies with the essential requirements of the 2004/108/EC directive, when used as intended and that the following standards/requirements have been applied:

- 1 Emission/Immunity (Earth movers, tractors and construction equipment):
Applied standard(s) ISO 14982 Version 2009
ISO 13766 Version 2006
EN 13309 Version 2010
- 2 Fulfils the ESA (Electronic Sub-Assembly) requirements defined in paragraphs 6.5, 6.6, 6.8, and 6.9 of Annex I to Directive 2009/19/EC (2004/104/EC) by UN ECE R10 revision 04.

Complies with the essential requirements of article 3 of the RED 2014/53/EU directive and council recommendation 1999/519/EC on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz), when used as intended and that the following Harmonized Standards have been applied:

- 1 Safety (Article 3.1.a of the RED Directive)
Applied standard(s) IEC 62368-1:2014 + AC/3:2015 + A11:2017 Version 2017
EN 62311 Version 2008
- 2 Electromagnetic compatibility (Article 3.1.b of the RED directive)
Applied standard(s) Draft EN 301 489-1 Version 2.2.0
Draft EN 301 489-19 Version 2.1.0
Draft EN 301 489-52 Version 1.1.0

3 Efficient use of the radio frequency spectrum (Article 3.2 of the RED directive)

EN 300 440 Version 2.1.1

NOTE: "The GNSS functionality was tested against current specifications for short range devices (SRD) as harmonized standard EN 303 413 for GNSS are not available. The GNSS functionality will have to be assessed against the relevant harmonized standards when they are available".

Applied standard(s) EN 301 511 Version 12.5.1

4 Environmental IP classification IP67 (Applied on product label)

Applied standard(s) EN/IEC 60529 + A1 + A2 - CSV Version 2013

Complies with the essential requirements of the Interoperability of trans-European conventional rail system 2001/16/EC and 2004/50/EC directives, when used as intended and that the following Harmonized and Non-harmonized Standards have been applied:

1 Environmental (Equipment on board rolling stock)

Applied standard(s) DIN EN 50125-1 Version 2014
DIN EN 61373 Version 2011

2 Electromagnetic compatibility (Rolling stock - Apparatus)

Applied standard(s) EN 50121-1 + AC:2008 Version 2008
EN 50121-3-2 + AC:2008 Version 2008

Complies with the essential requirements of the 2011/65/EC directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (ROHS 2).

Complies with the essential requirements of the EC 1907/2006 regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Complies with the requirements of the 2012/19/EU directive on waste electrical and electronic equipment (WEEE).



Testing / Notified Body conformity and certification assessment performed by CTC Advanced GmbH

Aalborg, December 7 - 2017

(Place and date)


Name: Jørgen Raguse