

EU DECLARATION OF CONFORMITY



Product Name: Receiver module RM01
Model Number: ES0195A00048
Transmitting control SW: 1.0.0.0
Name: ERA a.s.
Address: Prumyslova 462, 530 03 Pardubice,
Czech Republic, ID No. 60916427



This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration:

The RM01 receiver module serves as a receiver in the receiver station of the MSS-5 distributed time multilateration system used for air traffic monitoring system. The module can also be used as a stand-alone ADS-B receiver station. The RM01 contains a digital secondary radar response (SSR) receiver.

The RM01 module includes a unit for measuring SSR response parameters, processes response detection, measures response time of arrival (TOA), and detects its data content. From the results of this evaluation, the module generates output messages, which it transmits to the central processor station (CPS) via a computer LAN.

The RM01 module also contains a SM (site monitor) unit for checking the integrity of the ADS-B station.

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

- Directive 2014/53/EU Radio equipment

References:

Article 3.1 a) LVD in accordance with 2014/35/EU:

EN IEC 62368-1:2020 + A11:2020 – Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements

Article 3.1 a) health and safety:

EN IEC 62311:2020 - Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz)

Article 3.1 b) EMC in accordance with 2014/30/EU

ETSI 301 489-1 v.2.2.3 (2019-11) – ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility

EN 55032 ed.2:2017 + Opr.1:2018 + A11:2020 - Electromagnetic compatibility of multimedia equipment - Emission Requirements

Article 3.2 effective usage of radio spectrum

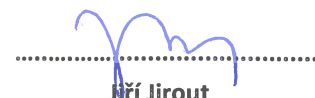
ETSI EN 303 213-5-1 V1.1.1 – Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 5: Harmonised Standard for access to radio spectrum for Multilateration (MLAT) equipment; Sub-part 1: Receivers and Interrogators

Draft ETSI EN 303 213-5-2 V.1.0.1 – Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 5: Harmonised Standard for access to radio spectrum for Multilateration (MLAT) equipment; Sub-part 2: Reference and Vehicle Transmitters

The notified body No. 1383 Český metrologický institut performed examination of the technical documentation as drawn by the manufacturer and issued the EU-type examination certificate: 0220-CC-V0005-22.

Signed for and on behalf of:

In Pardubice on the 26th September, 2022



Jiří Jirout

Quality Assurance Manager

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