

## EU DECLARATION OF CONFORMITY



**Product Name:** Module X03  
**Model Number:** ES0195A00029  
**Software version:** 3.18  
**Frequency bands of operation:** 1090 MHz Tx  
1030 MHz Rx  
**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 X03 Module (Reference Transponder) is based on the Bendix/King KT74 standard air transponder. The transponder receives interrogations on the frequency of 1030MHz, decodes them and transmits responses on the frequency of 1090MHz.

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

Radio Equipment Directive 2014/53/EU

### References:

#### Electromagnetic compatibility:

- ETSI EN 301 489-1 V2.1.1** - ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU
- EN 61000-3-2 ed.4: 2015** - Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase)
- EN 61000-3-3 ed.3: 2014 +Z1:2014** - Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current  $\leq 16$  A per phase and not subject to conditional connection
- EN 61000-4-2 ed.2: 2009** - Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
- EN 61000-4-3 ed.3: 2006 +A1:2008, +A2:2011 + Z1:2010** - Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test
- EN 61000-4-4 ed.3: 2013** - Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test
- EN 61000-4-5 ed.3: 2015** - Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test
- EN 61000-4-6 ed.4: 2014** - Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
- EN 61000-4-11 ed.2: 2005** - Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests
- EN 55032 ed.2: 2017** - Electromagnetic compatibility of multimedia equipment - Emission requirements

**Safety:**

**EN 62368-1: 2015 +Opr.1:2016,+A11:2017** - Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements

**EN 62311: 2018** - Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)

**Radio Spectrum (Article 3.2):**

**ICAO Annex 10, volume IV (06-2014)** - Aeronautical Telecommunications - Surveillance and Collision Avoidance Systems

**Rec. ITU-R SM.329-12 (09-2012)** - Unwanted emissions in the spurious domain

The notified body **NO. 1388 Czech Metrology Institute** issued the EU-type examination certificate: **0120-CC-V0022-19**.

Signed for and on behalf of:

In Pardubice on the 06<sup>th</sup> of December, 2019



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**Jiří Jirout**  
Quality Assurance Manager

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