Dutch IoT Solutions

EU-Declaration of Conformity | Radio equipment

nr. 20220453H12

1. Product name: DIS-HALLOWELL C-V2.0.

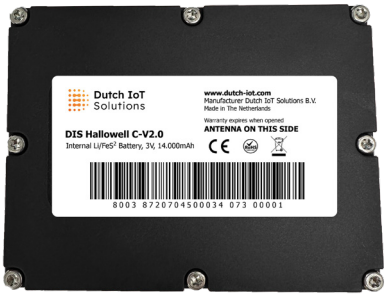
2. This Declaration of Conformity is issued under the full responsibility of Dutch IoT Solutions
   Dutch IoT Solutions
   Parallelweg 27 - Office KA 0.14
   5223 AL 's-Hertogenbosch
   The Netherlands

3. The electrical equipment has been manufactured in accordance with the rules of good craftsmanship in the field of safety applicable in the Union, is properly installed, and adequately maintained. When used as intended, it does not jeopardize the health and safety of people and pets or the safety of goods.

4. Dutch IoT Solutions declares that the radio equipment is constructed to ensure the following:
   a) Protection of the health and safety of individuals and pets, and the protection of goods, including the objectives related to the safety requirements of Directive 2014/35/EU, but without applying the voltage limit;
   b) An appropriate level of electromagnetic compatibility as described in Directive 2014/30/EU.

5. Dutch IoT Solutions declares that the radio equipment is designed to effectively use the radio spectrum and to support efficient use of the radio spectrum with the aim of preventing harmful interference.

6. Subject of the declaration:



The DIS Hallowell C-V2.0 is an innovative tracking device designed for optimal performance in low-power and water-resistant applications. It incorporates GPS, WiFi, and Cell Tower Scanning functionalities, along with LTE Cat M1 and NB-IoT connectivity.

6. The object described above is in compliance with:

- Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment.

- Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits.

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7. This table contains the relevant and applied harmonized standards:

Harmonised Standard		
ETSI 301-489-1	Harmonised Standard for ElectroMagnetic Compatibility	ElectroMagnetic Compatibility (EMC)
ETSI EN 300-400	Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	Short Range Devices (SRD)
IEC/EN 55032	Electromagnetic compatibility of multimedia equipment - Emission Requirements	Multimedia equipment (MME)
IEC/EN 55035	Electromagnetic compatibility of multimedia equipment - Immunity requirements	Multimedia equipment (MME)
IEC/EN 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements	Electrical equipment

8. **Radiated immunity**:
The notified body Kiwa Dare has tested that the DIS-TURING C-V2.0 is found compliant with radiated immunity. The tests are carried out in a full anechoic room, in accordance with the applied standard(s) and the basic standard EN 61000-4-3, where the first standard takes precedence. All tests are passed.

EN 301 489
The requirements are laid down in the table below.

Frequency	**Antenna polarization**	**Test level**	**Performance criterion**
80 MHz - 1 GHz	Horizontal	3 V/m	A
80 MHz - 1 GHz	Vertical	3 V/m	A
1 GHz - 6 GHz	Horizontal	3 V/m	A
1 GHz - 6 GHz	Vertical	3 V/m	A

EN 55035
The requirements are laid down in the table below:

Frequency	**Antenna polarization**	**Test level**	**Performance criterion**
80-1000MHz	Horizontal	3 V/m	A
80-1000MHz	Vertical	3 V/m	A

Spot frequencies	**Antenna polarization**	**Test level**	**Performance criterion**
1800 MHz, 2600 MHz, 3500 MHz, 5000 MHz	Horizontal	3 V/m	A
1800 MHz, 2600 MHz, 3500 MHz, 5000 MHz	Vertical	3 V/m	A

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Electrical safety:
The notified body EMCMCC declares that the DIS-HALLOWELL C-V2.0 is found compliant with the electrical safety test.

Sa) Bonding test acc. IEC/EN 62368-11
Sb) Insulation resistance acc. IEC/EN 62368-11
Sc) High voltage insulation acc. IEC/EN 62368-11
Sd) Leakage current acc. IEC/EN 62368-11

9. DIS Async FW: (GIT) enables the radio equipment to function as intended and is covered by the EU declaration of conformity.

Therefore CE and UKCA are placed on this product.

Date: 31-08-2022
Patrick Verbakel, Technology and Innovation

Signed for and on behalf of: .....

DUTCH IOT SOLUTIONS
CERTIFICATION
'S-HERTOGENBOSCH, THE NETHERLANDS

Dutch IoT Solutions

EU-Declaration of Conformity | RoHS

nr. 20220465H12

1. Product name: DIS-HALLOWELL C-V2.0.

2. This Declaration of Conformity is issued under the full responsibility of the manufacturer: Dutch IoT Solutions

   Dutch IoT Solutions
   Parallelweg 27 - Office KA 0.14
   5223 AL 's-Hertogenbosch
   The Netherlands

3. Dutch IoT Solutions, hereby declare that the object of the declaration described above comply with Directive 2011/65/EU and all of its amendments and do not contain any of the following substances:

   - Lead (0.1%)
   - Mercury (0.1%)
   - Cadmium (0.01%)
   - Hexavalent chromium (0.1%)
   - Polybrominated biphenyls (PBBs) (0.1%)
   - Polybrominated diphenyl ethers (PBDEs) (0.1%)

5. Object of the declaration:

The DIS Hallowell C-V2.0 is an innovative tracking device designed for optimal performance in low-power and water-resistant applications. It incorporates GPS, WiFi, and Cell Tower Scanning functionalities, along with LTE Cat M1 and NB-IoT connectivity.

6. The object described above conforms to Directive 2011/65/EU of the European Parliament and the Council of June 8, 2011, concerning the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Therefore CE and UKCA are placed on this product.

Date: 31-0-2022
Patrick Verbakel, Technology and Innovation

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CERTIFICATION
'S-HERTOGENBOSCH, THE NETHERLANDS

Signed for and on behalf of: .....