

Statement

of Opinion

Additional statement No: 02214281/AA/02

With respect to Chapter 10 of the Telecommunications Act of The Netherlands, Telefication declares that to our opinion the listed product complies with the essential requirements, in accordance with Article 3 of the Directive 1999/5/EC, as indicated under Annex 1 of this statement.

Product description: **Inmarsat Mini-C Mobile Earth Station**
Trademark: **See annex 3**
Family name: **--**
Type designation: **See annex 3**
Serial No: **See annex 3**
Software release No: **See annex 3**

Manufacturer: **Furuno Electric Co., Ltd.**
Address: **9-52 Ashihara cho**
City: **662-8580 Nishinomiya**
Country: **Japan**

This additional statement is granted to:

Name: **Furuno Electric Co., Ltd.**
Address: **9-52 Ashihara cho**
City: **662-8580 Nishinomiya**
Country: **Japan**

This additional statement has THREE Annexes.

Zevenaar, 25 August 2008



M.H. Koop
Manager Certification



For each product to which this additional Statement of Opinion relates (see annex 3) our opinion with respect to the essential requirements is as follows:

Article 3.1

- C (a) The protection of the health and safety of the user and other person, including the objectives with respect to safety requirements contained in Directive 73/23/EEC, but with no voltage limit applying.
- C (b) The protection requirements with respect to electromagnetic compatibility contained in Directive 89/336/EEC.

Article 3.2

- C The radio product shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communication and orbital resources so as to avoid harmful interference.

Article 3.3

- NA (a) The product shall be so constructed that it interworks via networks with other apparatus and that it can be connected to interfaces of the appropriate type throughout the Community.
- NA (b) The product shall be so constructed that it does not harm the network or its functioning nor misuse network resources, thereby causing an unacceptable degradation of service.
- NA (c) The product shall be so constructed that it incorporates safeguards to ensure that the personal data and privacy of the user and of the subscriber are protected.
- NA (d) The product shall be so constructed that it supports certain features ensuring avoidance of fraud.
- NA (e) The product shall be so constructed that it supports certain features ensuring access to emergency services.
- NA (f) The product shall be so constructed that it supports certain features in order to facilitate its use by users with a disability.

Opinions

- C = Conform
- NC = Not Conform
- NA = Not applicable (for this product)
- NP = Not performed (in this type examination)

- The validity of this additional Statement of Opinion is limited to products, which are equal to the one examined in the type-examination.
- When the manufacturer (or holder of this additional statement) is placing the product on the European market or the countries of the EEA, the marking of this product must contain (among other elements) the Notified Body number of Telefication: 0560
- This Statement of Opinion does not imply that the product can be used in the European Union or the countries of the EEA. If the product can not be identified as 'class-1' in accordance with Commission Decision 2000/299/EC, then:
 - Placing the product on the market may be subject to notification to the national radio agencies.
 - Putting the product into service is subject to national frequency regulation and may require licencing.

Remarks and observations

The following conditions are applicable:

- The equipment consists of the communication unit, type IC-216 and the antenna unit, type IC-116.
- Felcom 16 (SSAS) also includes the Junction Box, type IC-315 and the SSAS Alert Unit, type IC-307.
- The equipment is capable of operation within the Long Range Identification & Tracking System (LRIT) in accordance with SOLAS Chapter V/19-1 and Resolution MSC.263(84).

Documentation lodged for this additional Statement of Opinion

Test Reports:

- Furuno Electric Co., Ltd.: K16-17-281rev1.2, 05 August 2008
- Furuno Electric Co., Ltd.: SB-2246, 17 December 2002
- Furuno Labotech International Co., Ltd.: FLI 12-02-049, 29 November 2002
- Furuno Labotech International Co., Ltd.: FLI 12-02-050, 27 November 2002
- Furuno Labotech International Co., Ltd.: FLI 12-04-008, 20 February 2004

Product Documentation:

- Bill of materials
- Electric diagrams
- Photos
- User manual
- Installation manual
- Inmarsat Type Approval Particulars Certificate No: 4FE088, 19 November 2002

Technical Standards and Specifications

The product shows no non-compliances with:

- | | | |
|-------------------|---------------|-----------|
| - EN 60945 | October 2002 | Edition 4 |
| - EN 60950 | January 2000 | |
| - ITU-R SM.329-10 | February 2003 | |

Technical features and characteristics

The product includes the following features and characteristics:

Satellite Earth Station:

- Operating frequency range: TX: 1626.5 to 1646.5 MHz: RX: 1530.0 to 1545.0 MHz
- Maximum output power: 9.4 dBW EIRP
- Modulation method(s): BPSK

The product as described in this additional Statement of Opinion includes the following type designations:

Product description: Inmarsat Mini-C Mobile Earth Station
Type designation: Felcom 16
Trademark: Furuno
Serial No: 3534-0001
Software release No: 1650160-03 (w/o EDR); 1650160-05 (with EDR)

Product description: Inmarsat Mini-C Mobile Earth Station with Ship Security Alert System
Type designation: Felcom 16 (SSAS)
Trademark: Furuno
Serial No: 3534-0102
Software release No: 1650160-03 (w/o EDR); 1650160-05 (with EDR)