

Certificate

of

EC type-examination

Additional certificate N°: 00212002/AA/04

With respect to Marine Equipment Directive 96/98/EC and the amending Directive 2002/75/EC,
Telefication declares that the equipment:

Product description: **A.1/5.14 A.1/5.15
MF/HF GMDSS installation with
SSB, DSC and NBDP operation and
MF/HF DSC watch-keeping receiver**

Trademark: **See Annex 3**

Family name: **--**

Type designation: **See Annex 3**

Serial N°: **See Annex 3**

Software release N°: **See Annex 3**

Manufacturer: **EuroCom Industries A/S**

Address: **Porsvej 2**

City: **9200 Aalborg SV**

Country: **Denmark**

and with respect to the Production Quality System Approval
issued under number: **P117, module D**

complies with the international instruments and test standards as listed in the Annex.

This additional certificate is granted to:

Name: **EuroCom Industries A/S**

Address: **Porsvej 2**

City: **9200 Aalborg SV**

Country: **Denmark**

This additional certificate has THREE Annexes.

Zevenaar, 24 February 2003



drs. ir. W.B.A. Blom
Director Telefication



General conditions:

- Each product to which this certificate relates shall be provided with Marine markings.

The Marine marking consist of symbol in the form of a wheel followed by the identification number of Telefication (i.e. 0560), and by the last two digits of the number of the year in which the mark is affixed.
- The holder of this Certificate has drawn up a Declaration of conformity to type with Directive 96/98/EC, declaring that the product(s) described in this EC Type-examination certificate, satisfy the requirements that apply to them.
- Each product shall be identified by means of type, batch and/or serial numbers and the name of the manufacturer and/or importer.
- If the equipment is to be modified, Telefication shall be notified immediately. Depending on the modifications, Telefication may have additional examinations carried out in consultation with the applicant.

Remarks and observations

The following conditions are applicable:

- N/A

Documentation lodged for the (additional) EC type-examination

Testreports:

- KTL: 98577730, 26 April 2000
- NKT: 996016, October 1989
- Telecom Denmark: TD-L 312-2.262, 22 May 1992
- Telecom Denmark: TD-L 312-2.105, 17 October 1991
- Telecom Denmark: TD-L 312-2.284, 22 May 1992

Product documentation:

- Assembly drawings
- Bill of materials
- Electric diagrams
- Photos
- User manual

International instruments and test standards

The equipment complies with:

- | | | |
|-------------------|--------------|-------------|
| - EN 300 338 | April 1999 | V1.2.1 |
| - ETS 300 373 | August 1997 | Amendment 1 |
| - ETS 300 067 | October 1993 | Amendment 1 |
| - EN 60945 | January 1997 | |
| - EN 61162-1 | July 2000 | |
| - IMO Resolutions | | |
| - MSC.36(63) | | |
| - MSC.68(68) | | A3 |
| - MSC.97(73) | | |
| - A.806(19) | | |
| - A.694(17) | | |
| - MSC/Cir.862 | | |
| - ITU-R M.493-10 | | |
| - ITU-R M.541-8 | | |
| - ITU-R M.476-5 | | |
| - ITU-R M.491-1 | | |
| - ITU-R M.492-6 | | |
| - ITU-R M.625-3 | | |
| - ITU-R M.1173 | | |

Technical features

The product includes the following features:

- Frequency range receiver: 100KHz to 30 MHz
- Frequency range transmitter: 1.6 MHz to 30 MHz
- Maximum transmitter power: 600 Watt
- Modes of operations: J3E, R3E, H3E
- Temperature range: -15 °C to 55 °C
- DSC Class A

System related equipment

The product to which this certificate relates includes to following units or equipment:

- RM2152; DSC-controller
- RE2100; SSB exciter/receiver
- T2130; SSB transmitter (250W)
- T2131; SSB transmitter (600W)
- H2074; Loudspeaker
- C2140; Handset
- N2161/N2165; AC-powersupply
- AT2110; Antenna tuner
- R2120; Duplex receiver
- H2098; Telex message terminal
- H1253B; Telex monitor
- H2099; Telex keyboard
- H1252B; Telex printer
- N2170; DC-powersupply
- N2171; AC-powersupply
- AT2112; Aerial Coupler

Trademarks and type designations

The product as described in the additional EC type-examination includes the following type designations:

Type designation: RM2152
Trademark: Sailor Compact 2000
Serial No: 4162020006
Software release No: RM2152:V1.46, RE2100:V.C1086U

Type designation: RM2152
Trademark: Norcontrol
Serial N^o: --
Software release N^o: RM2152:V1.46, RE2100:V.C1086U

Type designation: RM2152
Trademark: Sperry
Serial N^o: --
Software release N^o: RM2152:V1.46, RE2100:V.C1086U

Type designation: 2152
Trademark: Husun
Serial N^o: --
Software release N^o: RM2152:V1.46, RE2100:V.C1086U

Type designation: 2159
Trademark: Debeg
Serial N^o: --
Software release N^o: RM2152:V1.46, RE2100:V.C1086U