

CERTIFICATE

of
EC Type-examination (Module B)

Certificate No: 202120001/AA/02

Product Category: MED/5.20

With respect to Marine Equipment Directive 2014/90/EU and the implementing Regulation (EU) 2022/1157, Telefication Notified Body 0560 declares that the equipment:

Product description: **MED Firefighter radio**

Trademark: **Entel**

Type designation: **DT885FF**

Serial No: **–**

Hardware / Software version: **Rev 2.0 / 2.2.100**

Variants: **See Annex 3**

Manufacturer: **Entel UK Limited**

Address: **320, Centennial Avenue, Centennial Park, Elstre**

City: **WD6 3TJ BOREHAMWOOD**

Country: **United Kingdom of Great Britain and Northern Ireland**

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

This certificate is granted to:

Name: **Entel UK Limited**

Address: **320, Centennial Avenue, Centennial Park, Elstre**

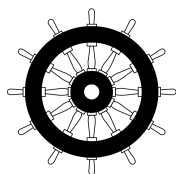
City: **WD6 3TJ BOREHAMWOOD**

Country: **United Kingdom of Great Britain and Northern Ireland**

Validity of this certificate expires on date: **19 March 2025**

This certificate has **THREE** Annexes.

Apeldoorn, 19 October 2022



0560

Ron Scheepers
Managing director



PRODUCTS
RvA C 224

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 the responsible Notified Body for module D, E, F or G, 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 2014/90/EU and Implementing Regulations, 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.
- Enforcement of a new Implementing Regulation may void the validity of this certificate regarding (re)placement of the product onboard ships.

Remarks and observations

The following conditions are applicable:

DT885FF and DT985FF have been certified for Article 17 of Directive 2014/34/EU by SGS Baseefa Limited, with notify body number 1180, who issued certificate number Baseefa18ATEX0152X-Issue 6 on 21st of July 2022. DT885 and DT885M are the primary models submitted for tests, DT885FF & DT985FF are the MED approved Fire Fighter variants.

The difference between DT800 and DT900 models is the RF power level to suit the ATEX gas group.

EU representative according to manufacturer information:

Authorised Rep Compliance Ltd
Ground Floor, 71 Lower Baggot Street,
D02P593
Dublin,
Ireland,

Documentation lodged for this EC type-examination

Test Reports:

- RN Electronics Ltd: 11-11723-1-19 Issue 01, 29 November 2019
- RN Electronics Ltd: 11-11723-2-19 Issue 01, 29 November 2019
- MS Testing: TL19115-ENV, 22 November 2019
- HCT CO., LTD.: HCT-SR-1902-CE003, 15 February 2019
- HCT CO., LTD.: HCT-SA-1902-CE004, 25 February 2019
- RN Electronics Ltd: 01-117223-3-20 Issue 01, 08 January 2020
- RN Electronics Ltd: 11-10852-18 Issue 01, 13 December 2018
- RN Electronics Ltd: 11-10852-18 Issue 01, 06 December 2018
- RN Electronics Ltd: 05-13524-1-22 Issue 3, 22 May 2022
- RN Electronics Ltd: 04-13524-2-22 Issue 02, 05 April 2022
- RN Electronics Ltd: 04-13524-3-22 Issue 02, 05 April 2022

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Internal photos
- External photos
- Manual

International Instruments and test standards

The equipment complies with:

EN 300 113	December, 2016	V2.2.1
EN 300 720	January, 2017	V2.1.1
EN 301 843-1	November , 2017	V2.2.1
EN 301 843-2	November, 2017	V2.2.1
EN 60945	October, 2002	Edition 4
IEC 60945/Corrigendum 1	April, 2008	Edition 4
IMO Resolution A.694(17)	1991	
ITU-R M.1174-4	October, 2019	
ITU-R M.489-2	October, 1995	
MSC.1/Circ. 1616	June, 2019	
SOLAS 74 as amended, Regulation II-2/10.10.4	July, 2014	

Technical features and characteristics

The product includes the following features and characteristics:

UHF equipment

- Operating frequency range: 457.525 - 467.575 MHz
- Maximum output power: 1.3 W rated (conducted)
- Secondary battery: 1.8 Ah; Type designations CNB950EV2 ; Channel separation: 12.5 kHz and 25 kHz

Trademarks and Type designations:

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

- Product description: MED Firefighter radio
- Trademark: Entel
- Type designation: DT885FF
- Hardware version: Rev 2.0
- Software version: 2.2.100
- Serial number: --

- Product description: MED Firefighter radio
- Trademark: Entel
- Type designation: DT985FF
- Hardware version: Rev 2.0
- Software version: 2.2.100
- Serial number: --

- Product description: MED Firefighter radio
- Trademark: Entel
- Type designation: DT985FF
- Hardware version: V4
- Software version: 1.3.100
- Serial number: --

- Product description: MED Firefighter radio
- Trademark: Entel
- Type designation: DT985FF
- Hardware version: V4
- Software version: 1.3.100
- Serial number: --

CERTIFICATE

of
EC Type-examination (Module B)

Certificate No: 202120002/AA/02

Product Category: MED/5.20

With respect to Marine Equipment Directive 2014/90/EU and the implementing Regulation (EU) 2022/1157, Telefication Notified Body 0560 declares that the equipment:

Product description: **MED Firefighter radio**

Trademark: **Entel**

Type designation: **DT844FF**

Serial No: **–**

Hardware / Software version: **V2 / 1.3.100**

Variants: **See Annex 3**

Manufacturer: **Entel UK Limited**

Address: **320, Centennial Avenue, Centennial Park, Elstree**

City: **WD6 3TJ BOREHAMWOOD**

Country: **United Kingdom of Great Britain and Northern Ireland**

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

This certificate is granted to:

Name: **Entel UK Limited**

Address: **320, Centennial Avenue, Centennial Park, Elstree**

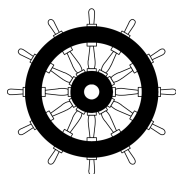
City: **WD6 3TJ BOREHAMWOOD**

Country: **United Kingdom of Great Britain and Northern Ireland**

Validity of this certificate expires on date: **19 March 2025**

This certificate has **THREE** Annexes.

Apeldoorn, 31 October 2022



0560

Ron Scheepers
Managing director



PRODUCTS
RvA C 224

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 the responsible Notified Body for module D, E, F or G, 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 2014/90/EU and Implementing Regulations, 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.
- Enforcement of a new Implementing Regulation may void the validity of this certificate regarding (re)placement of the product onboard ships.

Remarks and observations

The following conditions are applicable:

DT825 and DT925 have been certified for Article 17 of Directive 2014/34/EU by SGS Baseefa Limited, with notify body number 1180, who issued certificate number Baseefa18ATEX0152X-Issue 2 on 15th of July 2019. DT825 is the primary model submitted for tests, DT844FF & DT944FF are the MED approved Fire Fighter variants. The difference between DT800 and DT900 models is the RF power level to suit the ATEX gas group.

Follow-up certification AA/01 to state compliance with the implementing regulation (EU) 2021/1158.
Follow-up certification AA/02 to state compliance with the implementing regulation (EU) 2022/1157, to correct administrative wording of 'primary' into 'secondary' battery and add EU representative information.

EU representative according to manufacturer information:
Authorised Rep Compliance Ltd
Ground Floor, 71 Lower Baggot Street,
D02P593
Dublin,
Ireland,

Documentation lodged for this EC type-examination

Test Reports:

- RN Electronics Ltd: 11-11722-1-19 Issue 01, 27 November 2019
- RN Electronics Ltd: 11-11722-2-19 Issue 01, 27 November 2019
- MS Testing: TL19115-ENV, 22 November 2019
- HCT CO., LTD.: HCT-SR-1902-CE003, 15 February 2019
- RN Electronics Ltd: 02-11912-1-20 Issue 02, 16 March 2020

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Internal photos
- External photos
- Manual
- Label and label placement
- Production quality

International Instruments and test standards

The equipment complies with:

EN 301 178	April, 2017	V2.2.2
EN 301 843-1	November , 2017	V2.2.1
EN 301 843-2	November, 2017	V2.2.1
EN 60945	October, 2002	Edition 4
IEC 60945/Corrigendum 1	April, 2008	Edition 4
IMO Resolution A.694(17)	1991	
ITU-R M.1174-3	February, 2015	
ITU-R M.489-2	October, 1995	
MSC.1/Circ. 1616	June, 2019	
SOLAS 74 as amended, Regulation II-2/10.10.4	July, 2014	
SOLAS 74 as amended, Regulation II-2/2	January, 2017	

Technical features and characteristics

The product includes the following features and characteristics:

VHF equipment

- Operating frequency range: 156.0-163.0 MHz
- Maximum output power: 4W/1W rated
- Secondary battery: 1.8 Ah; Type designations CNB950EV2; Channel separation: 12.5 kHz and 25 kHz

Trademarks and Type designations:

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

- Product description:	MED Firefighter radio
- Trademark:	Entel
- Type designation:	DT844FF
- Hardware version:	V2
- Software version:	1.3.100
- Serial number:	--

- Product description:	MED Firefighter radio
- Trademark:	Entel
- Type designation:	DT944FF
- Hardware version:	V2
- Software version:	1.3.100
- Serial number:	--