



UK type-examination certificate
(Module B)
232380004/AA/01

Item number and designation: UK/5.20 Fire-fighter's two-way radiotelephone apparatus

Issued 24 January 2024 **Date of expiration of validity** 19 June 2028
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This certificate has THREE Annexes

In compliance with the requirements specified in the **M010 Merchant Shipping (Marine Equipment) Regulations 2016 Scheme**, Kiwa Ltd. declares as UK Approved Body 0558 for Marine Equipment, that the stated product complies with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended and MSN 1874 (M+F) Amendment 7, based on the applicable international instruments and test standards as listed in Annex 2 of this certificate.

Product description: MED Fire Fighter Radio (Analogue & Digital)
Trademark: Entel
Type designation: DT885FF
Hardware / Software: v2.0 / v2.3.5
Variants: See Annex 3

Manufacturer: Entel UK Limited
Address: 320 Centennial Avenue, Centennial Park, Elstree
City: WD6 3TJ Borehamwood
Country: UNITED KINGDOM

Authorized Representative: Entel UK Limited
Address: 320 Centennial Avenue, Centennial Park, Elstree
City: WD6 3TJ Borehamwood
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Willem Jan Jong
Manager Product Certification

CERTIFICATE

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Chamber of commerce
3473056



UK Approved Body Authorised
by the MCA



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General conditions

- This UK type-examination certificate is limited to the Merchant Shipping (Marine Equipment) Regulations 2016, as amended.
- Each product to which this certificate relates shall be provided with markings. The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body.
- The validity of this UK type-examination certificate is limited to products, which are equal to the one(s) assessed for this UK type-examination.
- Each product shall be identified by means of type, batch and/or serial numbers and the name of the manufacturer and/or importer.
- This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body Kiwa Ltd.
- During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body Kiwa Ltd.
- Enforcement of a new amending Regulation may void the validity of this UK type-examination 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.

DT885 is the primary model 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.

Follow-up certification AA/01 to state compliance with the implementing regulation MSN 1874 (M+F) Amendment 7 to update the product description to MED Fire Fighter Radio (Analogue & Digital), the conducted power is upgraded from 1.3W to 1.7W, to list CLB850FF as the primary battery, added an extra description CLB850FF approved for use with DT885FF only, to list new reports EN 300 720, EN 300 843 and EN 60945, Updated H/W and S/W versions.

The model variants use identical hardware as the DT885FF. The differences are that some models have no display or associated front buttons and cabinet colors are either Red or Blue.

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Documentation lodged for this UK type-examination certificate

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: 11-10852-2-18 Issue 01, 13 December 2018
- RN Electronics Ltd: 11-10852-1-18 Issue 01, 06 December 2018
- RN Electronics Ltd: 09-14256-1-23 issue 01, 04 September 2023
- RN Electronics Ltd: 08-14318-1-23 issue 01, 30 August 2023
- RN Electronics Ltd: 08-14318-2-23 issue 01, 22 August 2023

Product Documentation:

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

International Instruments and test standards

The product is compliant 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: 457.515625 ~ 467.584375MHz
- Maximum output power: 1.7 W conducted (2W ERP)
- Primary battery: 3.4 Ah; Type designations CLB850FF "Note: CLB850FF approved for use with DT885FF only"; Secondary Battery: 1.8 Ah; Type designations CNB950EV2; Channel separation: 6.25kHz, 12.5kHz and 25 kHz

The product as described in this certificate includes the following type designations:

- Product description: MED Fire Fighter Radio (Analogue & Digital)
- Trademark: Entel
- Type designation: DT885FF
- Hardware version: v2.0
- Software version: v2.3.5

- Product description: MED Fire Fighter Radio (Analogue & Digital)
- Trademark: Entel
- Type designation: DT985FF
- Hardware version: v2.0
- Software version: v2.3.5

- Product description: MED Fire Fighter Radio (Analogue & Digital)
- Trademark: Entel
- Type designation: DT882M
- Hardware version: v2.0
- Software version: v2.3.5

- Product description: MED Fire Fighter Radio (Analogue & Digital)
- Trademark: Entel
- Type designation: DT885M
- Hardware version: v2.0
- Software version: v2.3.5

- Product description: MED Fire Fighter Radio (Analogue & Digital)
- Trademark: Entel
- Type designation: DT982M
- Hardware version: v2.0
- Software version: v2.3.5

- Product description: MED Fire Fighter Radio (Analogue & Digital)
- Trademark: Entel
- Type designation: DT985M
- Hardware version: v2.0
- Software version: v2.3.5