



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx BAS 18.0094X**

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Certificate history:

Status: **Current**

Issue No: 15

Issue 14 (2024-10-01)
Issue 13 (2024-02-23)
Issue 12 (2023-08-29)
Issue 11 (2023-08-08)
Issue 10 (2023-01-09)
Issue 9 (2022-11-28)
Issue 8 (2022-05-31)
Issue 7 (2022-03-21)
Issue 6 (2022-02-03)
Issue 5 (2021-10-11)

Date of Issue: 2025-06-02

Applicant: **Entel UK Limited**
320 Centennial Avenue
Centennial Park
Elstree
Hertfordshire
WD6 3TJ
United Kingdom

Equipment: **Handheld Radio Transceiver DTE Series**

Optional accessory: See Equipment Section

Type of Protection: **Intrinsic Safety**

Marking: The following is a list of UHF model numbers and associated certification marking covered by this certificate:

DT582, DT585, DT882, DT885	Ex ib IIA T4 Gb (-20°C ≤ Ta ≤ +40°C)
DT582M, DT585M, DT882FF, DT882M, DT885FF, DT885M	Ex ib IIB T4 Gb (-20°C ≤ Ta ≤ +40°C)
DT952, DT953, DT981, DT982, DT982FF, DT982M, DT985, DT985FF, DT985M	Ex ib IIC T4 Gb (-20°C ≤ Ta ≤ +40°C)

The following is a list of VHF model numbers and associated certification marking covered by this certificate:

DT522, DT525, DT822, DT825, DT825E	Ex ib IIA T4 Gb (-20°C ≤ Ta ≤ +40°C)
DT542, DT544, DT842, DT842FF, DT844, DT844FF	Ex ib IIB T4 Gb (-20°C ≤ Ta ≤ +40°C)
DT922, DT925, DT925E, DT942, DT942FF, DT944, DT944FF	Ex ib IIC T4 Gb (-20°C ≤ Ta ≤ +40°C)

The following is a list of Upband model numbers and associated certification marking covered by this certificate:

DT582U, DT582U/CB, DT585U, DT585U/CB	Ex ib IIA T4 Gb (-20°C ≤ Ta ≤ +40°C)
DT982U, DT985U, DT985U/CB	Ex ib IIC T4 Gb (-20°C ≤ Ta ≤ +40°C)

Approved for issue on behalf of the IECEx
Certification Body:

D Brearley

Position:

Lead Certification Engineer

Signature:
(for printed version)

Date:
(for printed version)

2/6/2025

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

SGS UK Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire SK17 9RZ
United Kingdom





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Manufacturer: **Entel UK Limited**
320 Centennial Avenue
Centennial Park
Elstree
Hertfordshire
WD6 3TJ
United Kingdom

Manufacturing locations: **Entel UK Limited**
320 Centennial Avenue
Centennial Park
Elstree
Hertfordshire
WD6 3TJ
United Kingdom

Entel HK Philippines
112 West Main Avenue
Languna Technopark Annex, Barangay
Binan
Binan City, Laguna 4024
Philippines

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/BAS/ExTR18.0295/00](#)
[GB/BAS/ExTR19.0186/00](#)
[GB/BAS/ExTR22.0007/00](#)
[GB/BAS/ExTR22.0198/00](#)
[GB/SGS/ExTR23.0077/00](#)
[GB/SGS/ExTR25.0067/00](#)

[GB/BAS/ExTR18.0295/01](#)
[GB/BAS/ExTR20.0053/00](#)
[GB/BAS/ExTR22.0048/00](#)
[GB/BAS/ExTR22.0237/00](#)
[GB/SGS/ExTR23.0107/00](#)

[GB/BAS/ExTR18.0296/00](#)
[GB/BAS/ExTR21.0182/00](#)
[GB/BAS/ExTR22.0096/00](#)
[GB/SGS/ExTR23.0076/00](#)
[GB/SGS/ExTR24.0156/00](#)

Quality Assessment Reports:

[GB/ITS/QAR09.0010/10](#)

[GB/ITS/QAR19.0006/03](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Handheld Radio Transceiver DTE Series is comprised of a range of hand-held, battery powered, portable, two-way radios. Each model has a plastic enclosure containing printed circuit boards and, optionally, a keypad and an OLED (organic light emitting diode) display. A transmit/receive antenna is mounted externally by a screw connection. The battery supply is contained in a separate pack which is attached to the main enclosure by plastic clips and secured by a locking screw. The rechargeable battery pack comprises two, rechargeable, lithium ion cells connected in series. There is also a primary battery pack option for the DT844FF and DT 885FF radios. The battery pack maintains intrinsic safety when separated, permitting removal in an explosive atmosphere. The rechargeable battery pack shall not be recharged in an explosive atmosphere. The primary battery pack shall not be recharged.

The only external user connections are to the battery pack charging terminals and the side connector for the audio accessories.

The following optional electrical accessories are certified and approved for use with the DTE Series Portable radios:

Accessory	Description
CMP/DT5	Submersible Speaker/Microphone (IECEX)
CMP/DT5S	Submersible Remote Speaker/Microphone (IECEX)
CMP/DT5E	Submersible Remote Speaker/Microphone Earjack version (IECEX)
CMP/DT9	Submersible Speaker Microphone
CMP/DT9S	Submersible Remote Speaker Microphone
CMP/DT9E	Submersible Remote Speaker Microphone Earjack version
CHP950D	Ear defender headset
CHP950HD	Double sided ear defender
CHP950HS	Single sided ear defender
PTT-E/DT9	Push To Talk (PTT) switch for CHP series
PTT-C/DT9	Push To Talk (PTT) switch for CXR series
CXR5	Bone conductive skull microphone
CXR16	Bone conductive throat microphone
CPROG-DTE	USB programming box
CXR5/DT9	CXR5 and PTT-C/DT9
CXR16/DT9	CXR16 and PTT-C/DT9
CHPD/DT9	CHP950D and PTT-E/DT9
CHPHD/DT9	CHP950HD and PTT-E/DT9
CHPHS/DT9	CHP950HS and PTT-E/DT9
EA12/DT9	Earpiece D-shape, microphone & PTT
C-C550/DT	Remote Speaker Microphone with FPS-COM 5000/DT or MSA C1 Plug in accessories
CNB550E V2	Rechargeable Group IIA & IIB battery pack
CNB950E V2	Rechargeable Group IIC battery pack
CLB850FF	Primary cell based Group IIB non-rechargeable battery pack

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Only suitably certified accessories may be connected to the micro-USB and Accessory connectors located under the side connector cover.
2. Accessories must keep the two Intrinsically Safe circuits "Accessory Interface" and "Audio PA Interface" isolated from each other. If not fully isolated in the accessory, the two circuits must be isolated except for a minimum resistance between them of no less than 1089Ω including tolerances.
3. The battery pack shall not be recharged in an explosive atmosphere.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 15.1

To permit:

- Safety component changes for UHF F, VHF C, & Upband variants.
- Minor mechanical changes.
- CHP950XX Headset label changes.
- Various Accessory Label Changes.

ExTR: **GB/SGS/ExTR25.0067/00**

File Reference: **25/0116**