



# 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](http://www.iecex.com)

Certificate No.:	<b>IECEX BAS 18.0094X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 9	Issue 8 (2022-05-31)
Date of Issue:	2022-11-28		Issue 7 (2022-03-21)
Applicant:	<b>Entel UK Limited</b> 320 Centennial Avenue Centennial Park Elstree Hertfordshire WD6 3TJ <b>United Kingdom</b>		Issue 6 (2022-02-03)
Equipment:	<b>Handheld Radio Transceiver DTE Series</b>		Issue 5 (2021-10-11)
Optional accessory:	See Equipment Section		Issue 4 (2020-05-07)
Type of Protection:	<b>Intrinsic Safety</b>		Issue 3 (2019-09-10)
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)	
	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	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, 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)	
	DT985U, DT985U/CB	Ex ib IIC T4 Gb (-20°C ≤ Ta ≤ +40°C)	

Approved for issue on behalf of the IECEx  
Certification Body:

**R S Sinclair**

Position:

**Technical Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

28/11/2022



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](http://www.iecex.com) or use of this QR Code.

Certificate issued by:

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





# IECEX Certificate of Conformity

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

Page 2 of 4

Date of issue: 2022-11-28

Issue No: 9

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

[GB/BAS/ExTR18.0296/00](#)  
[GB/BAS/ExTR21.0182/00](#)  
[GB/BAS/ExTR22.0096/00](#)

### Quality Assessment Reports:

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

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



# IECEX Certificate of Conformity

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

Page 3 of 4

Date of issue: 2022-11-28

Issue No: 9

## 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 battery supply comprises two, rechargeable, lithium ion cells connected in series. The battery pack maintains intrinsic safety when separated, permitting removal in an explosive atmosphere. The battery pack shall not be recharged in an explosive atmosphere.

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
CMP/DT9	Submersible Speaker/Microphone
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

## 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.



# IECEX Certificate of Conformity

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

Page 4 of 4

Date of issue: 2022-11-28

Issue No: 9

## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) Variation 9.1**

To permit the introduction of the C-C550/DT Remote Microphone Speaker accessory which is added to the accessory list in the Equipment description section of this certificate.

ExTR: **GB/BAS/ExTR22.0198/00**

File Reference: **20/0268**