

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

Guardian-Comms FC0a. Speaker Microphone.

a = 01, 03, 05, 07, 11 or 13

IS / I / 1 / CD / T4 Ta = 60°C – DSN0017; IP54

I / I / AEx ib IIB / T4 Ta = 60°C – DSN0017; IP54

NI / I / 2 / CD / T4 Ta = 60°C - DSN0017; NIFW; IP54

Entity Parameters: Ui = 9.9Vdc, li = 0.24 A, Ci = 0.1 µF, Li = 0 mH, Pi = 1.8 W

Special Conditions of Use:

1) For use with the Tait Portable ORCA Radios or a radio with entity parameters as specified.

Guardian-Comms FC101. Helmet Accessory.

IS / I / 1 / CD / T4 Ta = 60°C – DSN0017; IP65

I / I / AEx ib IIB / T4 Ta = 60°C – DSN0017; IP65

NI / I / 2 / CD / T4 Ta = 60°C - DSN0017; NIFW; IP54

Special Conditions of Use:

1) For use only with the Guardian Comms FC0a Speaker Microphone as specified.

Guardian-Comms FC201. Breathing Apparatus Accessory.

IS / I / 1 / CD / T4 Ta = 60°C – DSN0017; IP65

I / I / AEx ib IIB / T4 Ta = 60°C – DSN0017; IP65

NI / I / 2 / CD / T4 Ta = 60°C - DSN0017; NIFW; IP54

Special Conditions of Use:

1) For use only with the Guardian Comms FC0a Speaker Microphone as specified

Guardian-Comms FC202. Breathing Apparatus Accessory.

IS / I / 1 / CD / T4 Ta = 60°C – DSN0017; IP66

I / I / AEx ib IIB / T4 Ta = 60°C – DSN0017; IP66

NI / I / 2 / CD / T4 Ta = 60°C - DSN0017; NIFW; IP54

Special Conditions of Use:

1) For use only with the Guardian Comms FC0a Speaker Microphone as specified

Equipment Ratings:



Member of the FM Global Group

Intrinsically Safe for use Class I, Division 1, Groups C and D, Class I, Zone 1, IIB; Non-incendive for Class I, Division 2, Groups A, B, C and D indoor/outdoor Hazardous (Classified) locations Types IP54 for Guardian-Comms Speaker Microphone, IP65, IP66 for Guardian-Comms Helmet Accessories & Breathing apparatus.

FM Approved for:

Mass Electronics Pty Ltd.
Sunnybank QLD 4109, Australia



Member of the FM Global Group

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	1998
Class 3610	1999
Class 3611	2004
Class 3810	2005

Original Project ID: 3022170

Approval Granted: August 9, 2005

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
070306	July 6, 2007		
091130	February 18, 2010		
100222	May 3, 2010		

FM Approvals LLC

J.E. Marquedant
Group Manager, Electrical

3 May 2010

Date