



FM Approvals
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Member of the FM Global Group

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 or 13

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

I / 1 / 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, Ii = 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 / 1 / 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 / 1 / 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 / 1 / 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:

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

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

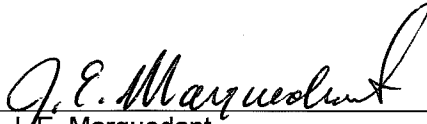
Original Project ID: 3022170

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		

FM Approvals LLC



J.E. Marquedant
Group Manager, Electrical

18 February 2010
Date