

Miscellaneous Publication

Australian/New Zealand Certification Scheme for explosion-protected electrical equipment (ANZEx Scheme)

Part 1: Product Certification Program— Basic rules and procedures



MP 87.1:2008

This Joint Australian/New Zealand Miscellaneous Publication was prepared by Joint Technical Committee P-008, Ex Mark Management Committee. It was approved on behalf of the Council of Standards Australia on 12 March 2008 and on behalf of the Council of Standards New Zealand on 17 March 2008. This Miscellaneous Publication was published on 30 May 2008.

The following are represented on Committee P-008:

Auckland Regional Chamber of Commerce
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Australian Institute of Petroleum
Department of Primary Industries, NSW
Department of Mines and Energy, Qld
Electricity Standards and Safety, Tas.
International Accreditation New Zealand
International Testing and Certification Services
Joint Accreditation System of Australia and New Zealand
Mining Electrical and Mining Mechanical Engineering Society
Ministry of Economic Development, New Zealand
National Association of Testing Authorities Australia
New Zealand Employers and Manufacturers Association
SIMTARS (Safety in Mines Testing and Research Station)
Workcover New South Wales

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.standards.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

Miscellaneous Publication

Australian/New Zealand Certification Scheme for explosion-protected electrical equipment (ANZEx Scheme)

Part 1: Product Certification Program— Basic rules and procedures

Originated in Australia as part of MP 42—1979.
Previous edition part of MP 87:2004.
Revised in part and redesignated as MP 87.1:2008.

COPYRIGHT

© Standards Australia/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 8745 2

PREFACE

This Publication was prepared by the Joint Standards Australia/Standards New Zealand P-008, Ex Mark Management Committee to supersede (in part) MP 87:2004, *Australian/New Zealand Certification Scheme for explosion-protected electrical equipment (ANZEx Scheme)—Basic rules and procedures*.

This Publication sets out the basic rules and procedures for the *Product Certification Program* under the *Australian/New Zealand Certification Scheme for explosion-protected electrical equipment*, known as the 'ANZEx Scheme'.

The aim of the Product Certification Program is to facilitate trade for Australia and New Zealand in electrical equipment intended for use in explosive atmospheres (Ex equipment).

Relevant changes introduced by this publication to the previous MP 87:2004 include:

- (a) Revised for close alignment with the equivalent Program of the IECEx Scheme.
- (b) Definition 1.3.5, *Applicant*, was added.
- (c) Definition of *Certificate holder* became current definition 1.3.13 for *Manufacturer*.
- (d) Clause 3.4.1.2 about ongoing surveillance was adjusted.
- (e) Annex B was reviewed/updated.
- (f) Annex C became normative and was modified.
- (g) Annexes D, E and F were reviewed/updated. Annex E and F reproduce information from IECEx 0D005.

The Product Certification Program was developed to be consistent with the Equipment Certification Program of the IECEx Scheme (www.iecex.com) and to include the requirement for manufacturers to have a satisfactory Quality Management System with ongoing surveillance.

This addition aligns the Australian/New Zealand Ex certification with the International ISO Type 5 Certification System (sometimes referred to as Full Certification) based on the ISO/IEC Conformity Assessment Committee (CASCO) System 5 specification.

The Product Certification Program also makes provision for an ISO Type 1 (Type test) Scheme to cover 'one off' situations, which may lead to the issue of a 'Restricted Type Test Certificate'.

Background information relating to the ANZEx Scheme is contained in Annex A and the 'Introduction' in Section 1 provides an overview of the ANZEx Scheme.

The ANZEx Scheme provides for a database with internet access from the Scheme website www.anzex.com.au and provides industry with a ready reference list of the certificates issued. The information on the database is updated on a regular basis.

The terms 'normative' and 'informative' are used to define the application of the Annex to which they apply. A normative Annex is an integral part of the document, whereas an informative Annex is only for information and guidance.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Miscellaneous Publication**Australian/New Zealand Certification Scheme for explosion-protected electrical equipment (ANZEx Scheme)****Part 1: Product Certification Program—Basic rules and procedures****1 General****1.1 Introduction**

The Product Certification Program provides the means for manufacturers of Ex equipment to demonstrate compliance with the applicable Standard(s) through the ANZEx Certificate of Conformity, which will be accepted at national level in both countries. An application for an ANZEx Certificate of Conformity may be made by an applicant to any ANZEx CB for the relevant Standard or Standards.

The Product Certification Program permits the use of the Certificate Number and Prefix on product listed in the respective Certificate of Conformity, and thus provides distinctive third party evidence to confirm a manufacturer's claimed compliance to the relevant Standards and that it was manufactured under the ANZEx Quality Management System Requirements. All applications for certification under this ANZEx Scheme, will be subject to the requirements detailed throughout this document. Applications for amendments to certificates for non-expired AUS Ex Certificates are exempt, since such Certificates were issued under the previous phase of the ANZEx Scheme and have a 10-year life from issue date (See Clause 3.2 for further details).

The Product Certification Program is overseen by the Joint Standards Australian/Standards New Zealand Policy Committee P-008; the Committee has delegated administration of the Program to an Administering Body (currently Compliance Resource Associations International-CRA.i).

The Product Certification Program (www.anzex.com.au) is recognized throughout Australia and New Zealand by electrical and mining regulatory bodies, as well as the Insurance Council of Australia, for demonstrating compliance with Standards.

1.2 Reference documents

The list of documents referred to in this Publication is as follows:

AS 60529	Degrees of protection provided by enclosures (IP Code)
AS/NZS 60079 60079.0	Electrical apparatus for explosive gas atmospheres Part 0: General requirements
AS/NZS ISO 9000:2006	Quality management systems—Fundamentals and vocabulary
9001:2000	Quality management systems—Requirements
9004:2000	Quality management systems—Guidelines for performance improvements
10005:2006	Quality management systems—Guidelines for quality plans