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AS/NZS 3788:2001

AS/NZS 3788

Australian/New Zealand Standard™

Pressure equipment—
In-service inspection

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-001, Pressure Equipment. It was approved on behalf of the Council of Standards Australia on 16 July 2001 and on behalf of the Council of Standards New Zealand on 1 August 2001. It was published on 14 September 2001.

The following interests are represented on Committee ME-001:

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Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Industry Group
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Pressure equipment—
In-service inspection

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-001, Pressure Equipment to supersede AS/NZS 3788:1996, *Pressure equipment—In-service inspection*.

This Standard has been developed on a consensus basis.

Consensus means general agreement by all interested parties. Consensus includes an attempt to remove all objections and implies much more than the concept of a simple majority, but not necessarily unanimity. It is consistent with this meaning that a member may be included in the Committee list and yet not be in full agreement with all clauses of this Standard.

The Committee recognized there was a need to give guidance to users, inspectors and regulatory authorities on the inspection of in-service pressure equipment.

This Standard provides inspection requirements to assist in assuring the continued safe operation of the pressure equipment. In special circumstances additional requirements may be necessary for adequate performance or safety. The material contained in this Standard will be a valuable aid in the training of inspectors.

Changes since the last edition include the following:

(a) Removal of regulatory requirements for Australia only. In New Zealand the HSE (Pressure Equipment, Cranes and Passenger Ropeways) Regulations 1999 are to be referred to, since they take precedence over the Standard requirements.

(b) Details of the in-service inspector requirements and responsibilities.

(c) Details of risk based inspection.

(d) Inclusion of new Appendices to cover:

  (i) Risk management.

  (ii) In-service inspection and record keeping for steam locomotive and traction engine boilers.

Users of this Standard are reminded that it has no legal authority in its own right, but acquires legal standing where adopted by government or other authority having jurisdiction, or if specified as part of a commercial contract.

During the preparation of this Standard, reference was made to the following publications:

AIP CP12—1985	Code of practice for inspection of boilers and unfired pressure vessels in process plants.
API 510—1980	Pressure Vessel Inspection Code. Maintenance, inspection, rating repair and alteration.
API	Guide to inspection of refinery equipment.
ANSI/NB 23—1984	National Board Inspection Code.
ROSPA—1975	Registration and periodic inspection of pressure vessels (Published by Imperial Chemical Industries Ltd).

Acknowledgment is made of the assistance obtained from these publications.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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