

Australian Standard™

Gas cylinder test stations

Part 2: LP Gas fuel vessels for automotive use

This Australian Standard was prepared by Committee ME-002, Gas Cylinders. It was approved on behalf of the Council of Standards Australia on 9 March 2004. This Standard was published on 30 April 2004.

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Australasian Institute of Engineer Surveyors
Australian Chamber of Commerce and Industry
Australian Liquefied Petroleum Gas Association
Certification Bodies (Australia)
Department for Administrative and Information Services, S.A.
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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2337.2—2004

Gas cylinder test stations

Part 2: LP Gas fuel vessels for automotive use

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NOTES

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PREFACE

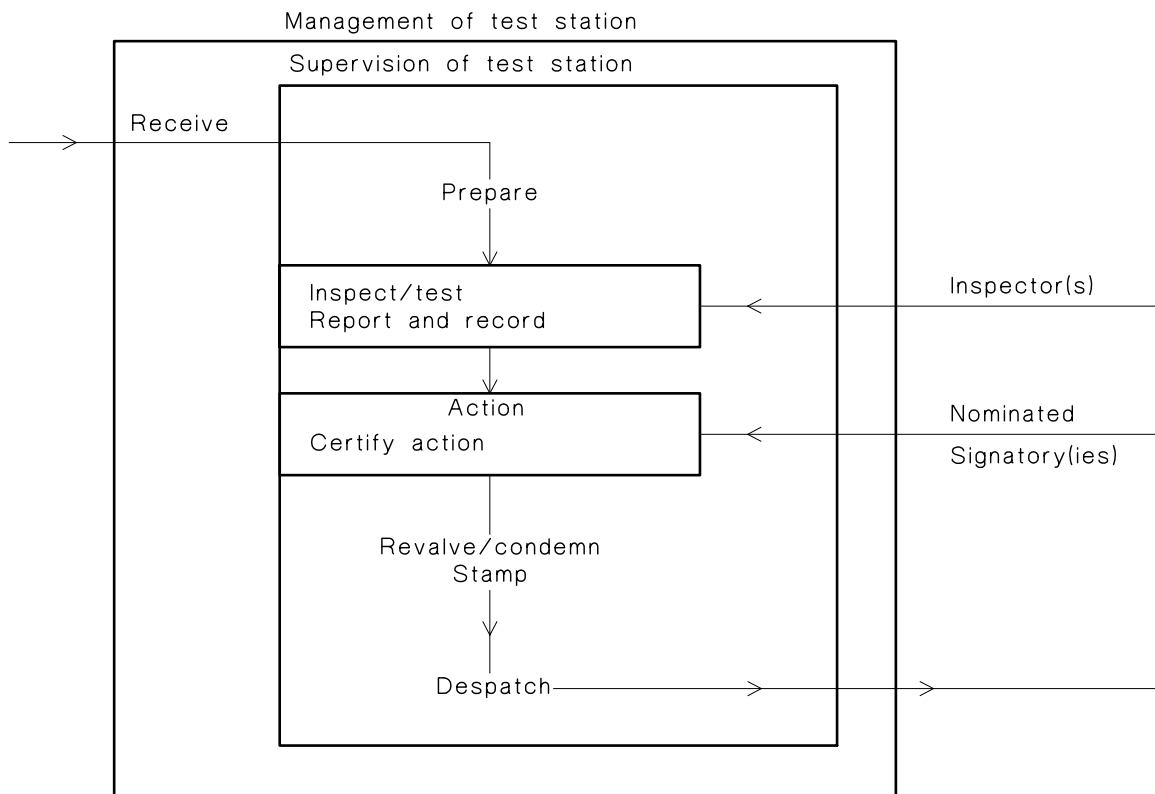
This Standard was prepared by the Australian members of Joint Australian/New Zealand Standards Committee ME-002, Gas Cylinders to supersede AS 2337.2—1990. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard, rather than an Australian/New Zealand Standard.

This Standard incorporates Amendment No. 1 (September 2004). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Standard is to provide the related industries with requirements and procedures for gas cylinder test stations to carry out initial and periodic inspection and testing of LP Gas fuel vessels for automotive use.

The division of functions within a test station has caused some difficulties where the titles of personnel do not match their position within the organization in which the test station operates. It is necessary to cater for different types of organization, from one person to a large operation with activities other than testing.

The diagram given below may help explain the process.



NOTE: The boxes show minimum tasks that may be taken up by the nominated person where this will not interfere with their primary responsibility.

A certificated gas cylinder test station scheme is operated by the appropriate Certification Organizations in Australia. Certification Organizations carry out the initial assessment and periodic audits.

From 1995 there has been, and will continue to be, a phasing out of State and Territory regulatory authorities approving and verifying compressed gas cylinder design and testing and a phasing in of competent bodies or persons to undertake this task.

This edition of the Standard removes references to ‘approval’ with regard to State and Territorial regulatory authorities. Gas cylinder test stations will be given certificates of conformity with the appropriate Standard instead of approval. These changes align with the changes that have taken place within AS 2030.1, *The verification, filling, inspection, testing and maintenance of cylinders for storage and transport of compressed gases*, Part 1: *Cylinders for compressed gases other than acetylene*.

In the previous edition of this Standard, it was permissible for vessels to be inspected while on the vehicle. It was not always possible to adequately view all external and internal surfaces. This edition makes it mandatory to remove vessels prior to inspection (see Clause 4.1).

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.

IT SHOULD BE NOTED THAT COMPLIANCE WITH THIS STANDARD MAY NOT NECESSARILY FULFIL ALL LEGAL REQUIREMENTS.

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STANDARDS AUSTRALIA

Australian Standard
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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard set outs requirements and procedures for a gas cylinder test station to carry out initial and periodic inspection and testing of LP Gas fuel vessels for automotive use, which are not greater than 500 kg water capacity. It also specifies requirements for test stations to obtain a certificate of conformity.

This Standard requires that all test station inspections and stampings are carried out in Australia.

This Standard does not preclude other tests which may be required to evaluate the integrity of the vessel.

1.2 APPLICATION

The gas cylinder test station shall have personnel, procedures and equipment in accordance with the requirements of Section 3.

This Standard applies to fixed containers complying with the requirements of AS 2030.1 and vessels manufactured to AS 1210 or AS/NZS 3509 normally filled on vehicles, whether LP Gas or propane.

This Standard does not apply to removable containers. These cylinders shall be inspected according to AS 2337.1.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1210	Pressure vessels
1674	Safety in welding and allied processes
1674.1	Part 1: Fire precautions
2030	The verification, filling, inspection, testing and maintenance of cylinders for storage and transport of compressed gases
2030.1	Part 1: Cylinders for compressed gases other than acetylene
2062	Non-destructive testing—Penetrant testing of products and components
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2337.1	Part 1: General requirements, inspections, and tests—Gas cylinders
2381	Electrical equipment for explosive atmospheres—Selection, installation and maintenance
2381.7	Part 7: Intrinsic safety i