

Australian Standard[®]

Road tank vehicles for dangerous goods

**Part 3: Road tank vehicles for
compressed liquefied gases**



This Australian Standard® was prepared by Committee ME-057, Road Tankers for Hazardous Liquids and Gases. It was approved on behalf of the Council of Standards Australia on 6 March 2008.

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The following are represented on Committee ME-057:

- Australasian Fire Authorities Council
 - Australian Chamber of Commerce and Industry
 - Australian Industry Group
 - Australian Liquefied Petroleum Gas Association
 - Australian and New Zealand Industrial Gas Association
 - Department of Consumer and Employment Protection, WA
 - Department of the Premier and Cabinet, SA
 - Petroleum Industry Contractors Association
 - Queensland Transport
 - The Australian Gas Association
 - Victorian Transport Association
 - Victorian Work Cover Authority
-

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Road tank vehicles for dangerous goods

Part 3: Road tank vehicles for compressed liquefied gases

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PREFACE

This Standard was prepared by the Standards Australia Committee ME-057, Road Tank Vehicles for Dangerous Goods to supersede AS 2809.3—1999, *Road tank vehicles for dangerous goods, Part 3: Tankers for compressed liquefiable gases*.

This Standard specifies requirements for road tank vehicles transporting compressed liquefied gases. This Standard is to be used in conjunction with AS 2809.1 (which applies to all road tank vehicles) and any other Part of AS 2809 where more than one hazardous property applies to the dangerous goods being transported.

This series of Standards for road tank vehicles comprises six Parts. The specific requirements applicable to particular road tank vehicles are detailed in the appropriate Part of the series.

The scope of the brief given to the Committee was to review Parts 1, 2 and 3.

NOTE: Parts 4, 5 and 6 are to be reviewed at a later date yet to be determined.

The following Parts were reviewed by the Committee:

Part 1: General requirements for all road tank vehicles

Part 2: Road tank vehicles for flammable liquids

Part 3: Road tank vehicles for compressed liquefied gases

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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

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STANDARDS AUSTRALIA**Australian Standard****Road tank vehicles for dangerous goods****Part 3: Road tank vehicles for compressed liquefied gases****SECTION 1 SCOPE AND GENERAL****1.1 SCOPE**

This Standard specifies requirements for the design, construction and inspection and testing of road tank vehicles for the transport of specifically listed (see Table 2.1) compressed liquefied gases by road. This Standard is complementary to AS 2809.1.

1.2 OBJECTIVE

The objective of this Standard is to provide designers, planners, operators and regulators with technical requirements for road tank vehicles transporting compressed liquefied gases.

1.3 APPLICATION

Road tank vehicles for the transport of a compressed liquefied gas shall comply with AS 2809, Parts 1 and 3. Where any requirement of this Part differs from a similar requirement in Part 1, this Part shall take precedence.

NOTES:

- 1 Although it is technically true that anhydrous ammonia can be ignited, its flammability limits, ignition temperature and ignition energy are such that, for transport purposes, the requirements in this Standard that are specific to flammable gases do not apply to anhydrous ammonia. The flammability potential has been taken into account in this Standard.
- 2 Although the title and scope of the Standard have been designed to allow flexibility for future expansion, it should be kept in mind that it was prepared on the basis of existing requirements for LP Gas and anhydrous ammonia. Its applicability to gases other than those listed in various tables in the Standard has not been considered in detail.

1.4 REFERENCED DOCUMENTS

A list of the documents referred to in this Standard is provided in Appendix A.

1.5 DEFINITIONS

For the purpose of this Standard, the definitions given in AS 2809.1 apply.

1.6 NEW DESIGNS AND INNOVATIONS

This Standard does not prevent the use of materials, methods of assembly, procedures and the like that do not comply with the specific requirements of this Standard, or are not mentioned in it, provided the minimum dimensional and performance requirements specified herein are met.