

Australian Standard<sup>®</sup>

**Refined petroleum products— Vehicle  
bottom loading and vapour recovery**

**STANDARDS**  
Australia



This Australian Standard® was prepared by Committee ME-057, Road Tank Vehicles for Dangerous Goods. It was approved on behalf of the Council of Standards Australia on 17 March 2009.

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The following are represented on Committee ME-057:

- Air Liquide Australia
  - Australian Chamber of Commerce and Industry
  - Australian Industry Group
  - Australian Institute of Petroleum
  - Bitumen Users Group
  - Department of Consumer and Employment Protection, WA
  - Department of the Premier and Cabinet, SA
  - LPG Australia
  - National Bulk Tanker Association
  - Petroleum Industry Contractors Association
  - Plastics and Chemicals Industries Association
  - Queensland Transport
  - Victorian WorkCover Authority
- 

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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**Refined petroleum products—Vehicle  
bottom loading and vapour recovery**

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## PREFACE

This Standard was prepared by Standards Australia Committee ME-057, Road Tank Vehicles for Dangerous Goods. It is based on the Australian Institute of Petroleum (AIP) CP 6, *Vehicle bottom loading and vapour recovery*, which has been withdrawn.

The purpose of this Standard is to ensure that all tank vehicles fitted for bottom loading and vapour recovery are compatible and can be safely loaded at fill stands equipped for bottom loading, including those equipped for vapour recovery. This Standard also covers unloading into receiving tanks.

This Standard is intended to apply in conjunction with, but not take precedence over, regulatory requirements issued by statutory authorities having jurisdiction over environmental matters and the storage and handling of dangerous goods.

Individual companies may have requirements and procedures that are additional to those set out in this Standard.

Statements expressed in mandatory terms in notes to Figures are deemed to be requirements of this Standard.

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## STANDARDS AUSTRALIA

**Australian Standard****Refined petroleum products—Vehicle bottom loading and vapour recovery**

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard provides requirements and recommendations for use by the refined petroleum industry in terms of vapour recovery equipment for vehicles equipped for bottom loading and for vehicle fill stands designed for bottom loading and having vapour recovery facilities. It covers the design and operation of vapour recovery equipment on vehicles and fill stands.

The purpose of this Standard is to ensure that all tank vehicles fitted for bottom loading and vapour recovery are compatible and can be safely loaded at fill stands equipped for bottom loading, including those equipped for vapour recovery. It also covers unloading into receiving tanks.

It is intended to be used in conjunction with regulations relating to environmental matters and the storage and handling of dangerous goods.

**1.2 APPLICATION**

This Standard applies to the following:

- (a) Product connections for loading.
- (b) Vapour connections.
- (c) Overfill protection systems.
- (d) Interlocks on the fill stand.
- (e) Requirements when loading.
- (f) Requirements when vapour recovery is not required.

This Standard covers those elements that need to be standardized in order to achieve safe operation.

**1.3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

AS	
2800	Road tank vehicles for dangerous goods
2809.1	Part 1: General requirements for all road tank vehicles
2809.2	Part 2: Road tank vehicles for flammable liquids

US DEPARTMENT OF DEFENSE

MIL-C-27487 Coupling halves, quick-disconnect, cam-locking type

**1.4 DEFINITIONS AND ABBREVIATIONS**

For the purposes of this Standard, the following definitions apply: