

Australian Standard[®]

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



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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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based on the Australian Institute of Petroleum (AIP) CP 6, *Vehicle bottom loading and vapour recovery*, which has been withdrawn.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.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 APPLICATION	4
1.3 REFERENCED DOCUMENTS	4
1.4 DEFINITIONS AND ABBREVIATIONS.....	4
1.5 ROAD TANK VEHICLES	5
SECTION 2 PRODUCT CONNECTIONS FOR LOADING	
2.1 SCOPE OF SECTION	6
2.2 ADAPTOR SPECIFICATION.....	6
2.3 COUPLER SPECIFICATIONS	6
2.4 LOCATION OF ADAPTORS	7
SECTION 3 VAPOUR RECOVERY CONNECTIONS	
3.1 SCOPE OF SECTION	9
3.2 REQUIREMENTS FOR ADAPTORS AND COUPLERS	9
3.3 VAPOUR RECOVERY HOSE AND PIPING.....	11
SECTION 4 VEHICLE OVERFILL PROTECTION SYSTEM	
4.1 SCOPE OF SECTION	12
4.2 TANK COMPARTMENT SENSING ELEMENT.....	12
4.3 CONNECTION BETWEEN FILL STAND AND VEHICLE.....	12
SECTION 5 INTERLOCKS ON THE FILL STAND	
5.1 SCOPE OF SECTION	14
5.2 LOADING SYSTEM INTERLOCKS	14
5.3 OVERFILL PROTECTION SYSTEM	14
SECTION 6 INTERLOCKS ON THE TANK VEHICLE	
6.1 SCOPE OF SECTION	15
6.2 VEHICLE DRIVEAWAY PROTECTION	15
6.3 COMPARTMENT VAPOUR TRANSFER VALVES.....	15
6.4 STOWING OF VAPOUR HOSE ON VEHICLE.....	15
SECTION 7 UNLOADING WITH VAPOUR RECOVERY	
7.1 SCOPE OF SECTION	16
7.2 PRODUCT CONNECTIONS	16
7.3 VAPOUR RECOVERY CONNECTIONS	16
7.4 OVERFILL PROTECTION FOR THE RECEIVING TANK.....	16
SECTION 8 UNLOADING WITHOUT VAPOUR RECOVERY	
8.1 SCOPE OF SECTION	18
8.2 LOADING WITHOUT VAPOUR RECOVERY	18
8.3 UNLOADING WITHOUT VAPOUR RECOVERY	18

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 unloading.
- (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

2809 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: