

Australian Standard[®]

**Fire protection for mobile and
transportable equipment**

STANDARDS
Australia



This Australian Standard® was prepared by Committee FP-022, Fire Protection of Mobile Transportable Equipment. It was approved on behalf of the Council of Standards Australia on 16 October 2006.

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The following are represented on Committee FP-022:

- Australasian Fire Authorities Council
 - Australian Coal Association Research Program
 - Australian Industry Group
 - CSIRO Manufacturing and Materials Technology
 - Construction Industry Engineering Services Group
 - Construction and Mining Equipment Industry Group
 - Department of Defence (Australia)
 - Department of Primary Industries, Mine Safety (NSW)
 - Engineers Australia
 - Fire Protection Association Australia
 - Mining Electrical and Mining Mechanical Engineering Society
 - National Electrical and Communications Association
 - NSW Maritime
 - The University of Queensland
-

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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 public comment period.

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transportable equipment**

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PREFACE

This Australian Standard was prepared by Standards Australia Committee FP-022, Fire Protection of Mobile and Transportable Equipment.

This Standard originated as Australian Coal Association Research Program, *Draft Code of Practice Fire Suppression Systems for Off-Road Mobile and Transportable Vehicles*. The scope has been expanded for applicability to vehicles and transportable equipment in other industry sectors.

The objective of the Standard is to formalize current good practice in reducing the incidence and severity of fires and to provide a consistent approach to fire risk reduction in order to safeguard life, property and the environment against fire associated with mobile and transportable equipment.

Providing protection against fire on mobile and transportable equipment poses unique and specific challenges, which the general risk assessment methodologies do not necessarily address. This Standard is intended to assist in meeting those specific requirements.

This Standard references the requirements of the various fire protection system Standards, with the exception of pre-engineered foam water spray systems. In the absence of an applicable Standard, the specific requirements for foam water spray systems are provided in this Standard.

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

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.

The term ‘informative’ has been used in this Standard to define the application of the Appendix to which it applies. An ‘informative’ Appendix is only for information and guidance.

This Standard incorporates a Commentary on some clauses. The Commentary directly follows the relevant clause, is denoted by ‘C’ preceding the Clause number and is printed in italics in a panel. The Commentary is for information only and does not need to be followed for compliance with the Standard.

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STANDARDS AUSTRALIA

Australian Standard

Fire protection for mobile and transportable equipment

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies fire risk management procedures and the minimum requirements for fire protection system design, installation, commissioning, and maintenance for use on mobile and transportable equipment. The requirements for listing of fire protection systems and the testing requirements for pre-engineered foam-water spray systems are also specified.

NOTE: Mobile and transportable equipment is generally referred to in this Standard as 'equipment'.

This Standard is applicable, but is not limited, to the following equipment and industries:

(a) Commercial and recreational vehicles, including the following:

- (i) Buses.
- (ii) Four wheel drives.
- (iii) Road haulage.
- (iv) Motor homes.
- (v) Forklifts.
- (vi) Road registered plant.
- (vii) Pleasure craft.

NOTE: *National Standard for Commercial Vessels*, Part C Section 4 covers the requirements for commercial marine applications.

(b) Mobile and transportable equipment, including but not limited to the following industry sectors.

- (i) Mining.
- (ii) Forestry.
- (iii) Waste management.
- (iv) Construction.
- (v) Railway.
- (vi) Agriculture.
- (vii) Defence.

This Standard is intended for new equipment, however it is recommended that the Standard be applied to existing equipment.

NOTE: For existing equipment, the fire risk assessment may identify the need for further risk reduction measures or modification of existing reduction measures (see Section 3).