

SINGAPORE STANDARD

Code of practice for confined spaces

(Formerly CP 84)



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The organisations in which the experts of the Working Group are involved are:

Association of Singapore Marine Industries
Institution of Engineers Singapore
Land Transport Authority
Ministry of Manpower
Oil and Petrochemical Industries Technical and Safety Committee
Public Utilities Board
Singapore Chemical Industry Council
Singapore Contractors Association Limited
Singapore Institution of Safety Officers
Singapore Manufacturers' Federation
Society of Loss Prevention in the Process Industries

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Foreword

This Singapore Standard was prepared by a Working Group appointed by the Technical Committee on Workplace Safety and Health which is under the purview of the General Engineering and Safety Standards Committee.

It is a revision of CP 84 : 2000 – ‘Code of practice for entry into and safe working in confined spaces’. CP 84 has been re-numbered as SS 568.

The revisions made were mainly to the definitions of the key appointed personnel and their qualification associated with confined space works. Other changes include updating the standard to ensure relevance to the local regulations and good practices. The revision also includes the following:

- (a) New warning sign to alert others of the potential and existing hazards of the confined space;
- (b) Permit-to-work system (sample for guidance in Annex D);
- (c) Recommended core training elements for all relevant personnel in a matrix format for easy reference; and
- (d) Risk of engulfment by material in the definition of confined space.

The standard aims to clear any ambiguity in the interpretation of the WSH (Confined Spaces) Regulations 2009 for implementation and compliance in order to ensure the safety of person/s at work.

In the preparation of this standard, reference was made to the following publications:

- 1) ANSI/ASSE Z117.1 : 2009 Safety requirements for confined spaces
- 2) AS 2865 : 2009 Confined spaces
- 3) ASTM D4276 : 2002 Confined space entry
- 4) ASTM F1764 : 2002 Selection of hardline communication systems for confined space rescue
- 5) OSHA 29 Parts 1910.146 Permit-required confined spaces
- 6) NFPA 1670 : 2004 Operations and training for technical search and rescue incidents
- 7) SS 510 : 2005 Safety in welding and cutting (and other operations involving the use of heat)
- 8) Technical Advisory for Working Safely in Confined Spaces
- 9) Workplace Safety and Health (Confined Spaces) Regulations 2009
- 10) Workplace Safety and Health (Risk Management) Regulations 2006

Acknowledgement is made for the use of information from the above publications.

Attention is drawn to the possibility that some of the elements of this Singapore Standard may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

NOTE

1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.*
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Code of practice for confined spaces

1 Scope

This code of practice provides guidelines on the safety and health control measures relating to entry into and working in confined spaces.

2 Normative references

The following referenced documents are indispensable for the application of this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

- | | |
|------------|---|
| SS 508-1 | Graphical symbols – Safety colours and safety signs – Design principles for safety signs in workplaces and public areas |
| SS 508-3 | Graphical symbols – Safety colours and safety signs – Safety signs used in workplaces and public areas |
| SS CP 5 | Electrical installations |
| SS CP 88-1 | Temporary electrical installations – Construction and building sites |
| SS CP 88-3 | Temporary electrical installations – Shipbuilding and ship-repairing yards |