SINGAPORE STANDARD

CP 84 : 2000

(ICS 13.100)

CODE OF PRACTICE FOR

Entry into and safe working in confined spaces

(Incorporating Amendment No. 1, May 2005)

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Contents

Foreword

This Code of Practice was prepared by the Technical Committee on General Safety under the direction of the Industrial Safety Standards Committee.

This code provides guidance on entry into and safe working in confined spaces. The code adopts a four stage approach – identification of confined spaces, evaluation of hazards of confined spaces, development and implementation of control measures for confined space entry and an effective emergency plan. The code outlines the procedures for each stage of the approach.

In preparing the code, reference was made to the following publications:

Factories Act (Chapter 104)

SS 217 : 1997	Industrial safety signs
ANSI Z117.1 : 1989	Safety requirements for confined space
OSHA 29 Parts 1910.146	Permit-required confined space for general industry

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

NOTE

1. *Singapore Standards are subject to periodic review to keep abreast of technological changes and new technical developments. The revisions of Singapore Standards are announced through the issue of either amendment slips or revised editions.*

2. *Compliance with a Singapore Standard does not exempt users from legal obligations.*

Code of practice for entry into and safe working in 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 at normal atmospheric pressure.

2 Definitions

2.1 Competent person

A person with the knowledge and skill, and have received such training for the task he is assigned to.

2.2 Confined space

As amended May 2005

Any chamber, tank, vat, pit, pipe, flue including any other similar space in which:

(a) dangerous airborne substances are liable to be present to such an extent as to involve risk of fire or explosion occurring; or

(b) dangerous airborne substances are liable to be present to such an extent as to involve risk of persons being overcome by such substances; or

(c) there is a risk of persons being asphyxiated due to inadequate supply of air.

2.3 Entry permit

A written or printed document to allow and control the entry of persons into a confined space;

2.4 Hazard evaluation

A process to assess the impact of known or potential hazards, or both, on a person entering or remaining inside a confined space;

2.5 Hazardous atmosphere

An atmosphere that may be, or is injurious to a person by reason of oxygen deficiency or enrichment, flammability or toxicity;

2.6 Oxygen deficient atmosphere

An atmosphere containing less than 19.5 % oxygen by volume;

2.7 Oxygen enriched atmosphere

An atmosphere containing more than 23.5 % oxygen by volume;

2.8 Toxic atmosphere

An atmosphere in which the concentration of any toxic airborne substance exceeds its permissible exposure level as specified in the Factories (Permissible Levels of Toxic Substances) Order.