

SINGAPORE STANDARD

Code of practice for the lifting of persons in work platforms suspended from cranes

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**Code of practice for the lifting of persons in work
platforms suspended from cranes**

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The Industrial Safety Standards Committee appointed by the Standards Council consists of the following members:

	Name	Organisation
Chairman	Mr Tan Pui Guan	Standards Council
Secretary	Ms Christina Choong	Singapore Productivity and Standards Board
Members	Mr Cheah It Cheng	Institution of Engineers, Singapore
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	Dr Samuel Lim	Nanyang Technological University
	Assoc Prof M Rahman	National University of Singapore
	Mr Tan Cheok Kwang	Association of Consulting Engineers, Singapore
	Mr Yeo Boey Chua	Association of Singapore Marine Industries

The Technical Committee appointed by the Industrial Safety Standards Committee and responsible for the preparation of this Code consists of representatives from the following organisations:

	Name	Organisation
Chairman	Mr Woo Boon Hwee	Association of Singapore Marine Industries
Secretary	Mr Loke Seck Kar	Singapore Productivity and Standards Board
Members	Mr Chia Mui Hiong	Construction Industry Training Institute, Construction Industry Development Board
	Mr Han Ah Lai	National Parks Board
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	Mr Anthony Ng	Singapore Contractors Association Limited
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**CODE OF PRACTICE FOR
THE LIFTING OF PERSONS IN WORK PLATFORMS SUSPENDED FROM CRANES**

FOREWORD

This Code was prepared by the Technical Committee on The Lifting of Persons in Work Platforms Suspended from Cranes under the direction of the Industrial Safety Standards Committee.

The preparation of this Code was prompted by the fact that lifting of persons in buckets, cages and lifting platforms is being practised in Singapore mainly in the construction, shipbuilding and shiprepairing industries. Besides, local contractors have often used this method to lift persons for installation and maintenance purposes.

It is our aim that this Code will provide the safety guidelines and create the awareness amongst users so as to avoid unnecessary risks and costly accidents to life and properties.

In preparing this Code, reference was made to the following publications:

- (a) The Factories Act;
- (b) The Building Operations and Works of Engineering Construction (Regulations) 1990;
- (c) The Factories (Shipbuilding and Shiprepairing) Regulations 1994;
- (d) ANSI A10.28 : 1990 Safety requirements for work platforms suspended from cranes or derricks for construction and demolition operations;
- (e) ANSI/ASME B30.5b : 1990 Mobile and locomotive cranes;
- (f) AS 2550 Cranes - Safe use
Part 1 : 1993 - General requirements;
- (g) SS ISO 1000 : 1992 SI units and recommendations for the use of their multiples and of certain other units
- (h) Interpretations to OSHA Instruction Standard 1-11.2B, 8 Aug 1983 - Work platforms suspended from lattice or hydraulic crane booms; and
- (i) Federal Register: Part VI, Department of Labour; OSHA, 29 CFR Part 1926, 17 Feb 1984 - Crane or derrick for suspended personnel platforms; proposed rule.

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

NOTE

1. Singapore Standards are subjected to periodical 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.

1. SCOPE AND GENERAL

1.1 Scope. This Code shall apply to the design, construction, installation and use of work platforms suspended from cranes. Work platforms which are attached to and form an integral part of a crane are excluded from this Code. Universal piling-rigs, mobile cranes operating on-board barges and floating cranes are disallowed from lifting persons in suspended work platforms.

1.2 Purpose. Lifting of persons on platforms suspended from the load lines of cranes and the use of such platforms as a workplace are not permitted under normal circumstances. Such practices are not recommended but are only deployed if there are no other practical alternatives or if other means are more hazardous. The purpose of this Code is to set out the basic requirements for the design, construction, installation, inspection and use of work platforms suspended from cranes.

Note. A work platform with personnel on-board shall not be suspended from two or more cranes.