

SINGAPORE STANDARD

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

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

Association of Singapore Marine Industries
BCEG International (Singapore) Pte Ltd
Institution of Engineers, Singapore
Institution of Occupational Safety and Health (Singapore Branch)
Land Transport Authority
Ministry of Manpower
Shanghai Tunnel Engineering Co. (Singapore) Pte Ltd

Singapore Contractors Association Limited
Singapore Cranes Association
Singapore Institution of Safety Officers
Singapore Polytechnic
Workplace Safety and Health Council

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Foreword

This Singapore Standard was prepared by the Working Group appointed by the Technical Committee on Safety and Health Involving the Use of Equipment under the direction of the General Engineering and Safety Standards Committee.

It is a revision of CP 63 : 1996 (2005), "Code of practice for the lifting of persons in work platforms suspended from cranes" and has been re-designated as SS 617.

The main changes from the 1996 edition are as follows:

- (a) Included a sample inspection checklist for platform suspended from crane.
- (b) Updated the provisions of design and construction of the work platform.
- (c) Updated the provisions of inspection and testing of work platforms suspended from cranes.
- (d) Aligned the provisions with current industry practices.

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

1. ANSI/ASSE A10.28 Safety requirements for work platforms suspended from cranes or derricks
2. AS 1418.17 Cranes (including hoists and winches). Part 17: Design and construction of workboxes
3. AS 2550.1 Cranes. Safe use. Part 1: General requirements
4. BS EN 14502-1 Cranes. Equipment for the lifting of persons. Part 1: Suspended baskets
5. Code of practice for safe lifting operations in the workplaces
6. Workplace Safety and Health Act
7. Workplace Safety and Health (Construction) Regulations
8. Workplace Safety and Health (General Provisions) Regulations
9. Workplace Safety and Health (Operation of Cranes) Regulations
10. Workplace Safety and Health (Risk Management) Regulations
11. Workplace Safety and Health (Shipbuilding and Ship-repairing) Regulations
12. Workplace Safety and Health (Work at Height) Regulations

Annex A "Certificate of test/thorough visual examination of lifting equipment" is reproduced with the permission of the Ministry of Manpower.

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.*
2. *An SS or TR is voluntary in nature except when it is made mandatory by a regulatory authority. It can also be cited in contracts making its application a business necessity. Users are advised to assess and determine whether the SS or TR is suitable for their intended use or purpose. If required, they should refer to the relevant professionals or experts for advice on the use of the document. Enterprise Singapore shall not be liable for any damages whether directly or indirectly suffered by anyone or any organisation as a result of the use of any SS or TR.*
3. *Compliance with a SS or TR does not exempt users from any legal obligations.*

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

1 Scope

1.1 This standard specifies the design, construction, installation and safe use of work platforms suspended from cranes. This standard does not cover the following platforms:

- a) Work platforms which are permanently attached and not suspended, and form an integral part of the crane; and
- b) Platforms designed and used for the sole purpose of facilitating emergency rescue work.

1.2 Universal pilling-rigs, mobile cranes operating on-board barges or floating platforms, floating cranes, excavators and lorry loaders are disallowed from lifting persons in suspended work platforms at all times.

1.3 Lifting of persons in platforms suspended from the load lines of cranes and the use of such platforms as workplaces 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 standard is to set out the basic requirements for the design, construction, installation, inspection and safe use of work platforms suspended from cranes.

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.

Workplace Safety and Health Act

Workplace Safety and Health (General Provisions) Regulations

Workplace Safety and Health (Operation of Cranes) Regulations