

SS 659 : 2020
(ICS 91.220)

SINGAPORE STANDARD

Code of practice for scaffolds

(Formerly CP 14)



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QSSC consists of the following members:

	Name	Representation
Chairman	: Er. Go Heng Huat	<i>Individual Capacity</i>
Deputy Chairman	: Mr Seet Choh San	<i>Singapore Institution of Safety Officers</i>
Advisor	: Mr Chan Yew Kwong	<i>Individual Capacity</i>
Secretary	: Ms Dorothy Er	<i>Singapore Manufacturing Federation – Standards Development Organisation</i>
Members	: Er. Goh Keng Cheong	<i>Housing & Development Board</i>
	Er. Hashim Bin Mansoor	<i>Building and Construction Authority</i>
	Assoc Prof Hoon Kay Hiang	<i>Nanyang Technological University</i>
	Mr Koh Yeong Kheng	<i>Association of Small and Medium Enterprises</i>
	Mr Lee Kay Chai	<i>The Singapore Contractors Association Limited</i>
	Prof Lee Pui Mun	<i>Singapore University of Social Sciences</i>
	Mr Lim Kee Huat	<i>Society of Loss Prevention in the Process Industries</i>
	Mr Steven Nah	<i>Association of Process Industry</i>
	Er. Ngiam Tong Yuen	<i>Individual Capacity</i>
	Mr Ong Liong Chuan	<i>Individual Capacity</i>
	Mr Perianan Radhakrishnan	<i>Singapore Welding Society</i>
	Assoc Prof Simon Poh Siew Beng	<i>National University of Singapore</i>
	Mr Derek Sim	<i>Association of Singapore Marine Industries</i>
	Mr Harnek Singh	<i>Individual Capacity</i>
	Mr Birch Sio	<i>Singapore Manufacturing Federation</i>
	Mr Alvin Soong Kheng Boon	<i>Land Transport Authority</i>
	Mr Tan Kay Chen	<i>The Institution of Engineers, Singapore</i>
	Mr Daniel Tan Kuan Wei	<i>Individual Capacity</i>
	Mr Jonathan Wan	<i>Individual Capacity</i>
	Mr Wong Siu Tee	<i>JTC Corporation</i>
	Mr Winston Yew	<i>Workplace Safety and Health Council</i>
Co-opted Member	: Dr Lee Tong Kooi	<i>Individual Capacity</i>

QSSC set up the Technical Committee on Safety and Health Involving Equipment to oversee the preparation of this standard. The Technical Committee consists of the following members:

	Name	Representation
Chairman	: Assoc Prof Hoon Kay Hiang	<i>Individual Capacity</i>
Secretary	: Mr Mohammed Farez	<i>Singapore Manufacturing Federation – Standards Development Organisation</i>
Members	: Mr Lau Huat Poh	<i>The Singapore Contractors Association Limited</i>
	Ms Lee Guek Hoon	<i>Ministry of Manpower</i>
	Mr Lim Eng Seng	<i>Association of Singapore Marine Industries</i>
	Mr Frederick Neo	<i>Singapore Polytechnic</i>
	Mr Ong Pak Shoon	<i>Singapore Institution of Safety Officers</i>
	Mr Patrick Phoa	<i>Land Transport Authority</i>
	Mr Seah Chong An	<i>TÜV SÜD PSB Pte Ltd</i>
	Mr Tan Kay Chen	<i>The Institution of Engineers, Singapore</i>
	Mr Jonathan Wan	<i>Individual Capacity</i>
	Mr Yusoo Aynuddin	<i>SETSCO Services Pte Ltd</i>

The Technical Committee set up the Working Group on Scaffolds to prepare this standard. The Working Group consists of the following experts who contribute in their *individual capacity*:

	Name
Convenor	: Mr Jonathan Wan
Secretary	: Mr Arthur Goh
Members	: Mr Han Kin Sew
	Ms Anna Lim
	Er. Loo Ching Nong
	Mr Gerry Munoz
	Er. Sivakumaran Murugesu
	Mr Daniel Ng Choon Beng
	Mr Anderson Ng Wee Khiang
	Mr Oh Heng Hwa
	Mr Desmond Ong
	Mr Klein Phua Thong Wee
	Mr Said Iziddin Bin Mohammed
	Mr Francis Tay
	Mr Edward Wee

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

Access Solution Industry Association
Association of Consulting Engineers Singapore
Association of Singapore Marine Industries
Galmon (S) Pte Ltd
Instant Access Systems Pte Ltd
Kaason Integrated Engineering Pte Ltd
KYC Scaffolding Pte Ltd
Ministry of Manpower
Modern (Singapore) Access & Equipment Pte Ltd
Prefabricated Access Suppliers' and Manufacturers' Association Ltd
Singapore Polytechnic
Transvert Scaffold & Engineering Pte Ltd
TÜV SÜD PSB Pte Ltd
Wee Chwee Huat Scaffolding & Construction Pte Ltd
Workplace Safety and Health Council

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Foreword

This Singapore Standard was prepared by the Working Group on Scaffolds set up by the Technical Committee on Safety and Health Involving Equipment under the purview of QSSC.

It is a revision of CP 14 : 1996, "Code of practice for scaffolds".

The summary of changes is as follows:

- a) Inclusion of stakeholders' responsibilities;
- b) Inclusion of aluminium mobile tower and mobile access tower;
- c) Update of the figures; and
- d) Alignment with current industry practices.

It is presupposed that in the course of their work, users will comply with all relevant regulatory and statutory requirements. Some examples of relevant regulations and acts are listed in the Bibliography. The Singapore Standards Council and Enterprise Singapore will not be responsible for identifying all of such legal obligations.

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

BS 1139-6:2014	Metal scaffolding. Prefabricated tower scaffolds outside the scope of BS EN 1004, but utilizing components from such systems. Specification
EN 1004:2004	Mobile access and working towers made of prefabricated elements – Materials, dimensions, design loads, safety and performance requirements
EN 1298:1996	Mobile access and working towers – Rules and guidelines for the preparation of an instruction manual
EN 12811-1:2003	Temporary works equipment – Part 1: Scaffolds – Performance requirements and general design
EN 12811-2:2004	Temporary works equipment – Part 2: Information on materials
EN 12811-3:2002	Temporary works equipment – Part 3: Load testing
SS 280-1:2006	Specification for metal scaffoldings – Frame scaffoldings
SS 280-2:2009	Specification for metal scaffoldings – Modular scaffoldings

Figure 34 – Height and base ratio in aluminium tower scaffold is reproduced by courtesy of Prefabricated Access Suppliers' and Manufacturers' Association Ltd.

Acknowledgment is made for the use of information from the above publications. The inclusion of pictures and diagrams does not connote any endorsement of product/services and/or design concept by the Working Group and Enterprise Singapore.

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. Where SSs are deemed to be stable, i.e. no foreseeable changes in them, they will be classified as "Mature Standards". Mature Standards will not be subject to further review, unless there are requests to review such standards.*
- 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 and the Singapore Standards Council 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. Although care has been taken to draft this standard, users are also advised to ensure that they apply the information after due diligence.*
- 3. Compliance with a SS or TR does not exempt users from any legal obligations.*

Code of practice for scaffolds

1 Scope

1.1 This standard sets out the general provisions relating to the erection and use of scaffolds in workplaces across various industries, such as, but not limited to, construction, marine, process industries, landscaping, manufacturing, commercial facilities management, repair and demolition.

1.2 This standard excludes the following:

- a) Platform suspended by ropes, whether fixed or movable i.e. boatswain chair;
- b) Power-operated platforms such as suspended scaffolds;
- c) Timber scaffolds;
- d) Formwork supports; and
- e) Scaffolds used for material loading.

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.

BS 1139-1.2	Metal scaffolding. Tubes. Specification for aluminium tube
BS 1139-6	Metal scaffolding. Prefabricated tower scaffolds outside the scope of BS EN 1004, but utilizing components from such systems. Specification
JIS G 3444	Carbon steel tubes for general structure
SS 280-1	Specification for metal scaffoldings – Frame scaffoldings
SS 280-2	Specification for metal scaffoldings – Modular scaffoldings
SS 311	Specification for steel tubes and fittings used in tubular scaffolding
SS 570	Specification for personal protective equipment for protection against falls from a height – Single point anchor devices and flexible horizontal lifeline systems