

**SINGAPORE STANDARD**

**Code of practice for safe use of mobile  
elevating work platforms**



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The General Engineering and Safety Standards Committee, appointed by the Standards Council, consists of the following members:

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<b>Chairman</b>	: Mr Chan Yew Kwong	<i>Member, Standards Council</i>
<b>Deputy Chairman</b>	: Mr Seet Choh San	<i>Singapore Institution of Safety Officers</i>
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	Mr Tan Kee Pin	<i>National Environment Agency</i>
	Mr Tay Cheng Pheng	<i>Society of Loss Prevention in the Process Industries</i>
	Mr Jonathan Wan	<i>Access and Scaffold Industry Association</i>
	Mr Wong Choon Kin	<i>Singapore Manufacturing Federation</i>
	Mr Wong Siu Tee	<i>JTC Corporation</i>
	Mr Winston Yew	<i>Ministry of Manpower</i>
	Dr Zhou Wei	<i>Singapore Welding Society</i>

The Technical Committee on Safety and Health Involving the Use of Equipment, appointed by the General Engineering and Safety Standards Committee and responsible for the preparation of this standard, consists of representatives from the following organisations:

	<b>Name</b>	<b>Capacity</b>
<b>Chairman</b>	: Assoc Prof Hoon Kay Hiang	<i>Member, General Engineering and Safety Standards Committee</i>
<b>Deputy Chairman</b>	: Mr Jonathan Wan	<i>Access and Scaffold Industry Association</i>
<b>Secretary</b>	: Ms Julia Yeo	<i>Singapore Manufacturing Federation – Standards Development Organisation</i>
<b>Members</b>	: Mr Ang Chin Chuan	<i>Association of Singapore Marine Industries</i>
	Er. Ang Choon Huat	<i>Building and Construction Authority</i>
	Mr Idilfitri Bin Mohammed Yatim	<i>Singapore Manufacturing Federation</i>
	Mr Lau Huat Poh	<i>Singapore Contractors Association Limited</i>

	<b>Name</b>	<b>Capacity</b>
<b>Members</b>	: Er. Liew Wan Sein	<i>Ministry of Manpower</i>
	Mr Frederick Neo	<i>Singapore Polytechnic</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>Institution of Engineers, Singapore</i>
	Mr Tan Oon	<i>Singapore Institution of Safety Officers</i>

The Working Group, appointed by the Technical Committee to assist in the preparation of this standard, comprises the following experts who contribute in their *individual capacity*:

	<b>Name</b>
<b>Convenor</b>	: Mr Jonathan Wan
<b>Members</b>	: Mr Dion Calder
	Mr Chew Thiam Kwee
	Mr Andrew Delahunt
	Ms Sharon Foong
	Mr Gu Pei Wei
	Mr Mark Guah
	Mr Howard How
	Mr Hu Jun Xiang
	Mr Albert Lee
	Er. Liew Wan Sein
	Ms Anna Lim
	Mr Christopher Low
	Mr Mohd Izad
	Mr Hansen Ng
	Mr Desmond Ong
	Mr Klein Phua
	Mr David Single
	Mr Bernard Soh
Mr James Soh	
Mr Felix Tan	
Mr Raymond Wat	
Mr Yukihiro Yanagi	
<b>Resource Members</b>	: Mr Ivan Quek
	Mr Shahid Qureshi

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

*Access and Scaffold Industry Association*  
*AICHI Corporation Singapore*  
*Association of Singapore Marine Industries*  
*Aver Asia (S) Pte Ltd*  
*BS Technology Pte Ltd*  
*Cargotec CHS Asia Pacific Pte Ltd*  
*Galmon (S) Pte Ltd*  
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*IPAF (South East Asia) Pte Ltd*  
*JH Equipment and Services Pte Ltd*  
*JLG Industries (Australia)*  
*Ministry of Manpower*  
*Modern (Singapore) Access & Equipment Pte Ltd*  
*National Parks Board*  
*Palfinger Asia Pacific Pte Ltd*  
*Sin Heng Aerial Lift*  
*Singapore Contractors Association Limited*  
*Singapore Institution of Safety Officers*  
*Spiderlift Asia Pte Ltd*  
*Terex Aerial Work Platforms*  
*Wong Fong Engineering Works (1988) Pte Ltd*

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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.

The significant productivity associated with using mobile elevating work platform (MEWP) in all manners of work has brought about an increasing popularity in the use of MEWP as an efficient mode of access. A MEWP when used correctly provides a safe and secure working platform, flexible positioning of working levels and a quick turnaround time for many work tasks. However, it has its own set of risks and the hazards associated with these risks need to be minimised.

This standard highlights the importance of operational planning, choice and selection of MEWP, maintenance of MEWP, legal and administrative requirements, training and most importantly, the responsibilities of various stakeholders.

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

1. ANSI/SIA A92 Elevating and vehicle lift devices (series comprising of parts shown below)
2. ANSI/SAIA A92.2 Vehicle-mounted elevating and rotating aerial devices
3. ANSI/SAIA A92.3 Manually propelled elevating aerial platforms
4. ANSI/SAIA A92.5 Boom-supported elevating work platforms
5. ANSI/SAIA A92.6 Self-propelled elevating work platforms
6. ANSI/SIA A92.8 Vehicle-mounted bridge inspection and maintenance devices
7. AS 2550.10 Cranes, hoists and winches – Safe use. Part 10 : Mobile elevating work platforms
8. AS/NZS 1418.10 Cranes, hoists and winches. Part 10 : Mobile elevating work platforms
9. BS EN 280 Mobile elevating work platforms. Design calculations. Stability criteria. Construction. Safety. Examinations and tests
10. ISO 18893 Mobile elevating work platforms – Safety principles, inspection, maintenance and operation
11. SS 508 Graphical symbols – Safety colours and safety signs
  - Part 1: Design principles for safety signs and safety markings
  - Part 2: Design principles for product safety labels
  - Part 3: Design principles for graphical symbols for use in safety signs
  - Part 4: Colorimetric and photometric properties of safety sign materials
  - Part 5: Registered safety signs
12. Code of Practice for Traffic Control at Work Zone
13. Code of Practice for Working Safely at Heights
14. Workplace Safety and Health Act
15. Workplace Safety and Health (General Provisions) Regulations
16. Workplace Safety and Health (Risk Management) Regulations
17. Workplace Safety and Health (Work at Heights) Regulations
18. Workplace Safety and Health (Workplace Safety and Health Officers) Regulations



The examples of safety sign pictograms in Annex E are reproduced by courtesy of Terex Corporation.

The examples of mobile elevating work platforms in Annex G are by courtesy of JLG Inc. / Galmon (S) Pte Ltd.

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 safe use of mobile elevating work platforms

### 1 Scope

**1.1** This standard specifies safety requirements for the protection of persons working with mobile elevating work platforms (MEWPs) and includes persons at or near these machines. It covers the basic safety principles, operation, maintenance and inspection of MEWPs. It is applicable to all MEWPs that are intended to position persons, tools and materials and which, as a minimum, consist of a work platform with controls, an extending structure and a chassis. The standard also highlights the responsibilities of various stakeholders.

**1.2** This standard does not cover manufacturing specifications and requirements.

### 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 EN 280	Mobile elevating work platforms. Design calculations. Stability criteria. Construction. Safety. Examinations and tests
SS 508	Graphical symbols – Safety colours and safety signs Part 1: Design principles for safety signs and safety markings Part 2: Design principles for product safety labels Part 3: Design principles for graphical symbols for use in safety signs Part 4: Colorimetric and photometric properties of safety sign materials Part 5: Registered safety signs

Code of Practice for Traffic Control at Work Zone

Workplace Safety and Health (Risk Management) Regulations