

SINGAPORE STANDARD

Code of practice for demolition

(Formerly CP 11)



Published by

Enterprise
Singapore

SS 557 : 2010
(ICS 91.200)

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ISBN 978-981-4278-54-6

This Singapore Standard was approved by the Building and Construction Standards Committee on behalf of the Standards Council of Singapore on 30 July 2010.

First published, 1980

First revision, 1992

Second revision, 2002

Third revision and re-numbered as SS 557, 2010

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First Engineers Consultants
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Ministry of Manpower
National University of Singapore
Surbana International Consultants Pte Ltd

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Foreword

This Singapore Standard was prepared by the Working Group on the review of 'Code of practice for demolition' appointed by the Technical Committee on Construction Management which is under the purview of the Building and Construction Standards Committee.

This standard is a revision of SS CP 11 : 2002 which was first published in 1980. CP 11 has been re-numbered as SS 557.

Demolition is an operation which requires special skill and procedures for it to be carried out safely and successfully. This Code represents a standard of good practice and has been prepared with the object of formulating the discipline to which these procedures should conform. It is intended for the use by all those involved or engaged in demolition, or in the preparation, supervision and execution of demolition contracts. Compliance with it does not confer immunity from conformance to the relevant statutory and legal requirements.

In revising this Code, the Technical Committee has updated the code with current practices and statutory requirements on demolition works, including the development of a demolition plan and stability report, and has incorporated new requirements for public health and safety. Issues relating to the protection of the environment, including waste minimisation and recycling in relation to demolition works, have been expanded. There has been a greater emphasis on the demolition of high-rise buildings especially with the use of machinery. A new section on stability sensitive structures has also been added.

Relevant clauses of BS 6187: 2000 'Code of practice for demolition' are adopted with the permission of British Standards Publishing Ltd.

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

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.*
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Code of practice for demolition

1 Scope

This Code recommends good practices for the safe demolition of buildings and structures. It also takes into account issues which affect the environment.

Recommendations are included for:

- (a) development of the demolition plan and stability report
- (b) proper and effective management of the demolition process
- (c) maintaining structural stability, through the provision of temporary structural supports, where necessary
- (d) managing deliberate collapse

2 Normative references

2.1 The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 5607 : 1998	Code of practice for the safe use of explosives in the construction industry
BS EN 12811-1:2003	Temporary works equipment. Scaffolds. Performance requirements and general design
SS CP 14	Code of practice for scaffolds
SS CP 20	Code of practice for suspended scaffolds
SS CP 23	Code of practice for formwork
SS CP 49	Code of practice for noise control on construction and demolition sites
SS CP 84	Code of practice for entry into and safe working in confined spaces
SS 280	Specification for metal scaffoldings Part 1: Frame scaffoldings Part 2: Modular scaffoldings
NA to SS EN 1991-1-4	Singapore National Annex to Eurocode 1 : Actions on structures – General actions – Wind actions