

**NA+A1:2019 to
SS EN 1993-1-1:2010+A1:2019**
(ICS 91.010.30; 91.080.10)

SINGAPORE STANDARD

**Singapore National Annex to Eurocode 3 :
Design of steel structures**

– Part 1-1 : General rules and rules for buildings

Incorporating Amendment No. 1

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Nanyang Technological University
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May 2019*

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National Foreword

This National Annex was prepared by the Technical Committee on Building Structures and Substructures under the purview of BCSC.

This standard is an adoption of UK National Annex (NA to BS EN 1993-1-1:2005) to Eurocode 3 – Design of steel structures – Part 1-1 : General rules and rules for buildings and is implemented with the permission of the British Standards Publishing Ltd.

Acknowledgement is made to BSI for the use of information from the above publication.

This Singapore NA contains information on those parameters which are left open in EN 1993-1-1 for national choice, known as nationally determined parameters. The Singapore NA is to be read in conjunction with the SS EN 1993-1-1:2010+A1:2019 – Eurocode 3 – Design of steel structures – Part 1-1 : General rules and rules for buildings.

*As amended,
May 2019*

Where appropriate, users may refer to the guidance and recommendation in BC 1:2012 'Design guide on use of alternative steel material to BS 5950 and Eurocode 3' published by the Building and Construction Authority (BCA). Reference should be made to the most current version as this publication is expected to be replaced by subsequent revisions based on SS EN 1993 series of standards.

At the time of publication, this standard is expected to be used as a reference in the Building and Construction Authority's 'Approved Document – Acceptable Solutions'.

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.*
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Singapore National Annex to SS EN 1993-1-1:2010 + A1:2019 – Eurocode 3 – Design of steel structures – Part 1-1 : General rules and rules for buildings

NA.1 Scope

This National Annex gives:

- a) the Singapore decisions for the nationally determined parameters described in the following subclauses of SS EN 1993-1-1:2010+A1:2019:
- | | | |
|-------------|---------------|---------------|
| – 2.3.1(1) | – 5.3.2(3) | – 6.3.2.4(2)B |
| – 3.1(2) | – 5.3.2(11) | – 6.3.3(5) |
| – 3.2.1(1) | – 5.3.4(3) | – 6.3.4(1) |
| – 3.2.2(1) | – 6.1(1) | – 7.2.1(1)B |
| – 3.2.3(1) | – 6.1(1)B | – 7.2.2(1)B |
| – 3.2.3(3)B | – 6.3.2.2(2) | – 7.2.3(1)B |
| – 3.2.4(1)B | – 6.3.2.3(1) | – BB.1.3(3)B |
| – 5.2.1(3) | – 6.3.2.3(2) | – C.2.2(3) |
| – 5.2.2(8) | – 6.3.2.4(1)B | – C.2.2(4) |
- b) the Singapore decisions on the status of SS EN 1993-1-1:2010+A1:2019 informative annexes; and
- c) references to non-contradictory complementary information.