

SINGAPORE STANDARD**Singapore National Annex to Eurocode 4 :
Design of composite steel and concrete
structures**

– Part 2 : General rules and rules for bridges



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	Dr Tam Chat Tim	<i>Individual Capacity</i>
	Mr Tang Pei Luen	<i>JTC Corporation</i>
	Mr Teoh Wooi Sin	<i>Singapore Institute of Surveyors and Valuers</i>
Co-opted Member	: Prof Choo Yoo Sang	<i>National University of Singapore</i>

The Technical Committee on Building Structure and Sub-structure appointed by the Building and Construction Standards Committee and responsible for the preparation of this standard consists of representatives from the following organisations:

	Name	Capacity
Chairman	: Er. Lim Peng Hong	<i>Member, Building and Construction Standards Committee</i>
Co-Chairman	: Er. Chew Keat Chuan	<i>Building and Construction Authority</i>
Secretary	: Ms Lee Hiok Hoong	<i>SPRING Singapore</i>
Members	: Er. Chan Ewe Jin	<i>Institution of Engineers, Singapore</i>
	Mr Chua Sey Kok	<i>Singapore Contractors Association Ltd</i>
	Mr Ho Wan Boon	<i>Singapore Structural Steel Society</i>
	Er. Kwong Sin Keong	<i>Housing & Development Board</i>
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	Dr Tan Teng Hooi	<i>Association of Consulting Engineers Singapore</i>
Co-opted Member	Er. Tang Pei Luen	<i>JTC Corporation</i>
	Assoc Prof Susanto Teng	<i>Nanyang Technological University</i>
	: Prof Richard Liew Jat Yuen	<i>National University of Singapore</i>

The following Technical Experts contributed in their *individual capacity* to the preparation of this standard:

Prof Richard Liew Jat Yuen (Convenor)
Er. Tay Yak Hong (Co-Convenor)
Er. Tan See Chee (Taskforce Leader)
Er. Thung Sek Kwang (Secretary)
Ms Ho Pui Ming
Mr Ho Wan Boon
Er. Fred Lee Ka Wing
Er. Phang Siew Kheong
Mr Sam Chang Loung
Er. K Thanabal

The organisations in which the experts are involved are:

AECOM
Building and Construction Authority
CPG Consultants Pte Ltd
Fong Consult Pte Ltd
Land Transport Authority
National University of Singapore
TYH Consulting Engineers
Yongnam Engineering & Construction Pte Ltd

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National Foreword

This National Annex was prepared by the Technical Committee on Building Structure and Sub-structure under the purview of the Building and Construction Standards Committee.

This standard is an adoption of the UK National Annex (NA to BS EN 1994-2:2005) to Eurocode 4 : Design of composite steel and concrete structures – Part 2 : General rules and rules for bridges 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 1994-2 for national choice, known as nationally determined parameters. The Singapore NA is to be read in conjunction with the SS EN 1994-2 : 2011 – Eurocode 4 : Design of composite steel and concrete structures – Part 2 : General rules and rules for bridges.

Where appropriate, users may refer to the guidance and recommendation in the BC 1:2012 'Design guide on use of alternative steel materials to BS 5950 and SS EN 1993' 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.

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.

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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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Singapore National Annex to SS EN 1994-2 : 2011 – Eurocode 4 – Design of composite steel and concrete structures – Part 2 : General rules and rules for bridges

NA.1 Scope

This National Annex gives:

- a) the Singapore decisions for the Nationally Determined Parameters:
 - 1) In the general rules described in the following subclauses of SS EN 1994-2:2011, which come from SS EN 1994-1-1:2009:
 - 2.4.1.1 (1)
 - 2.4.1.2 (5)P
 - 6.6.3.1 (1)
 - 2) In the specific rules for bridges described in the following subclauses of SS EN 1994-2:2011:

– 1.1.3 (3)	– 6.6.1.1. (13)
– 2.4.1.2 (6)P	– 6.8.1 (3)
– 5.4.4 (1)	– 6.8.2 (1)
– 6.2.1.5 (9)	– 7.4.1 (4)
– 6.2.2.5 (3)	– 7.4.1 (6)
– 6.3.1 (1)	– 8.4.3 (3)
- b) the Singapore decisions on the status of SS EN 1994-2 : 2011, informative Annex C; and
- c) references to non-contradictory complementary information.

NOTE – See Foreword to SS EN 1994-2:2011.