

**SINGAPORE STANDARD**

# **Singapore National Annex to Eurocode 1 : Actions on structures**

**– Part 1-5 : General actions – Thermal actions**

Confirmed 2015



Published by

**Enterprise**  
**Singapore**

**NA to SS EN 1991-1-5 : 2009 (2015)**  
(ICS 91.010.30)

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ISBN 978-981-4278-25-6

This Singapore Standard was approved by the Building and Construction Standards Committee on behalf of the Standards Council of Singapore on 15 October 2009.

First published, 2009

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*Nanyang Technological University*

*National Environment Agency*

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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.

In preparing this standard, reference was made to the UK National Annex (NA to BS EN 1991-1-5 : 2003) to Eurocode 1 : Actions on structures – Part 1-5 : General actions – Thermal actions.

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 1991-1-5 for national choice, known as nationally determined parameters. The Singapore NA is to be read in conjunction with SS EN 1991-1-5 : 2009 – Eurocode 1 : Actions on structures – Part 1-5 : General actions – Thermal actions.

Temperature profile for temporary earth retaining structural system is not covered in this National Annex. Users may refer to the Singapore Technical Reference for Deep Excavation for the appropriate section on design requirements.

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.

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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 1991-1-5 : 2009 – Eurocode 1 : Actions on structures – Part 1-5 : General actions – Thermal actions

### NA.1 Scope

This National Annex gives:

- a) the Singapore decisions for the Nationally Determined Parameters described in the following subclauses of SS EN 1991-1-5 : 2009.
 

– 5.3(2)	– 6.1.4.2(1)	– 7.2.1(1)
– 6.1.1(1)	– 6.1.4.3(1)	– 7.5(3)
– 6.1.2(2)	– 6.1.4.4(1)	– 7.5(4)
– 6.1.3.1(4)	– 6.1.5(1)	– A.1(1)
– 6.1.3.2(1)	– 6.1.6(1)	– A.1(3)
– 6.1.3.3(3)	– 6.2.1(1)P	– A.2(2)
– 6.1.4(3)	– 6.2.2(1)	– B(1)
– 6.1.4.1(1)	– 6.2.2(2)	
- b) the Singapore decisions on the status of SS EN 1991-1-5 : 2009 informative annexes C and D (see NA.3); and
- c) references to non-contradictory complementary information.