

**NA to SS EN 1991-3:2010(2023)**  
(ICS 91.010.30)

**SINGAPORE STANDARD**

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

– Part 3 : Actions induced by cranes and machinery

Confirmed 2023

## **NA to SS EN 1991-3:2010(2023)**

(ICS 91.010.30)

---

SINGAPORE STANDARD

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

– Part 3 : Actions induced by cranes and machinery

---

Published by Enterprise Singapore

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilised in any form or by any means, electronic or mechanical, including photocopying and microfilming, without permission in writing from Enterprise Singapore. Request for permission can be sent to: [standards@enterprisesg.gov.sg](mailto:standards@enterprisesg.gov.sg).

© Enterprise Singapore 2010

ISBN 978-981-4278-56-0

**Contents**

	<b>Page</b>
National Foreword _____	3
 <b>Clauses</b>	
NA.1 Scope _____	4
NA.2 Nationally determined parameters _____	4
NA.3 Decision on the status of informative Annex B _____	5
 Bibliography _____	 6

## **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 1991-3 : 2006) to Eurocode 1 : Actions on structures – Part 3 : Actions induced by cranes and machinery 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 1991-3 for national choice, known as nationally determined parameters. The Singapore NA is to be read in conjunction with the SS EN 1991-3:2010– Eurocode 1 : Actions on structures – Part 3 : Actions induced by cranes and machinery.

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 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.*
- 3. Compliance with a SS or TR does not exempt users from any legal obligations.*

## **Singapore National Annex to SS EN 1991-3 : 2010 – Eurocode 1 : Actions on structures – Part 3 : Actions induced by cranes and machinery**

### **NA.1 Scope**

This National Annex gives:

- a) the Singapore decisions for the Nationally Determined Parameters described in the following subclauses of SS EN 1991-3:2010:
  - 2.1(2)
  - 2.5.2.1(2)
  - 2.5.3(2)
  - 2.7.3(3)
  - A.2.2(1)
  - A.2.2(2)
  - A.2.3(1)
  
- b) the Singapore decision on the status of informative Annex B.