18 Mar 2015

See Distribution

Dear Sir/Madam

IMPLEMENTATION OF STRUCTURAL EUROCODES FROM 1 APR 2015

Objective

This circular is to remind the industry on the implementation of Eurocodes for structural design (Structural Eurocodes) with effect from 1 Apr 2015.

Background

2 The process of migration from Singapore Standards/British Standards (SS/BS) to Structural Eurocodes began as early as Oct 2006 when we informed the industry of the planned withdrawal of BS by British Standards Institution UK and adoption of Structural Eurocodes. Subsequently, numerous seminars, courses, workshops were conducted by BCA, including those conducted by professional institutions1 and local universities. Local universities had also introduced Structural Eurocodes design in their civil engineering curriculum since 2011 and new graduates would now be conversant with design to Structural Eurocodes.

3 In our circular dated 25 Mar 2013, we informed the industry that the implementation of the Structural Eurocodes (SS EN/BS EN) would commence on 1 Apr 2013. We also notified the industry that a two-year co-existence period would be in place where either the current SS/BS or the SS EN/BS EN is accepted for structural plans submissions.

4 During this 2-year co-existence period, a number of government agencies such as JTC, LTA, PA had been specifying the use of the Structural Eurocodes and

1 The professional institutions which are involved are Association of Consulting Engineers Singapore, the Institution of Engineers Singapore, the Geotechnical Society of Singapore and the Singapore Structural Steel Society.
an increasing number of consultants are also using Structural Eurocodes in their plan submissions.

5 This co-existence period will end on 1 Apr 2015. Hence, from 1 Apr 2015, the SS EN/BS EN will be the only prescribed structural design standards to be used for plans submissions and the currently prescribed SS/BS would be withdrawn from the Approved Document.

**SS EN/BS EN as the only prescribed structural design standards after 1 Apr 2015**

6 We would like to remind industry practitioners on the use of Structural Eurocodes with effect from 1 Apr 2015, which will be applicable to projects where the first structural plans are submitted on or after 1 Apr 2015. On-going projects of which structural plans had been approved using SS/BS shall continue using SS/BS as the basis of design for the rest of the structural submissions of these projects.

7 Over the next 6 months during this changeover period, to cater to special cases where the structural design has been completed in SS/BS but structural plan submission is delayed because of planning permission, the QP may consult BCA on the applicable standards.

8 For your information, the BCA Academy (BCAA) will continue to offer training courses on Structural Eurocodes to meet to market demand. Besides BCAA, professional institutions and local universities are also organising similar courses on the use of the Structural Eurocodes. Some upcoming courses on Structural Eurocodes are listed in Annex A. Hence, we advise industry practitioners, especially professional engineers, to make the effort to attend these briefing sessions and training courses in order to be ready for the use of Structural Eurocodes if they have not done so.

8 If you need further clarification on this matter, you may contact Er. Michael Sien at Tel: 68044651, or email: michael_sien@bca.gov.sg.

Yours faithfully

[Signature]

CLEMENT TSENG
DIRECTOR, BUILDING ENGINEERING GROUP
for COMMISSIONER OF BUILDING CONTROL
### Annex A

<table>
<thead>
<tr>
<th>Date</th>
<th>Course Description</th>
<th>Organizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 Mar 2015</td>
<td>1-day course on design using Eurocode 0 and 1</td>
<td>ACES</td>
</tr>
<tr>
<td>24 Mar 2015</td>
<td>5-Evening Workshop on Geotechnical Design using Eurocode 7</td>
<td>BCAA</td>
</tr>
<tr>
<td>Mar 2015</td>
<td>Eurocode 3 - 2-day course on design steel building using Eurocode 3</td>
<td>BCAA</td>
</tr>
<tr>
<td>19 Mar 2015</td>
<td>1-day Course on Seismic Design with EC8</td>
<td>IES/IStructE Joint Committee</td>
</tr>
<tr>
<td>17 Apr 2015</td>
<td>2-Day Course on Advanced Concrete Design using Eurocode 2</td>
<td>BCAA/NTU</td>
</tr>
<tr>
<td>18 Apr 2015</td>
<td>1-day Course on Eurocode 7: Geotechnical design, investigation and testing</td>
<td>ACES</td>
</tr>
<tr>
<td>22 Apr 2015</td>
<td>Seismic Design of Buildings to Eurocode 8</td>
<td>BCAA</td>
</tr>
<tr>
<td>Apr 2015</td>
<td>Eurocode 4 - 2-day course on design of steel-concrete composite buildings using Eurocode 4</td>
<td>BCAA</td>
</tr>
<tr>
<td>May 2015</td>
<td>Eurocode 3 - 1-day course on design of bolted and welded joints in steel building using Eurocode 3</td>
<td>BCAA</td>
</tr>
<tr>
<td>8 &amp; 11 May 2015</td>
<td>2 day Workshop Design of Concrete Structures - Eurocodes versus British Standards (re-run)</td>
<td>BCAA/NTU</td>
</tr>
<tr>
<td>June 2015</td>
<td>2-day course on Eurocode 2</td>
<td>ACES</td>
</tr>
<tr>
<td>4 &amp; 11 Jul 2015</td>
<td>2-day course on Eurocode 3: Design of steel structures and connections</td>
<td>ACES</td>
</tr>
<tr>
<td>23-24 Jul 2015</td>
<td>2-day course on Design of Steel Structures to EN1993-1-1 and EN1993-1-8</td>
<td>NTU</td>
</tr>
</tbody>
</table>
DISTRIBUTION (via e-mail):

PRESIDENT
INSTITUTION OF ENGINEERS, SINGAPORE (IES)
70, BUKIT TINGGI ROAD
SINGAPORE 289758
ies@iesnet.org.sg

PRESIDENT
ASSOCIATION OF CONSULTING ENGINEERS, SINGAPORE (ACES)
18 SIN MING LANE
#06-01 MIDVIEW CITY
SINGAPORE 573960
secretariat@aces.org.sg

PRESIDENT
SINGAPORE CONTRACTORS ASSOCIATION LIMITED (SCAL)
CONSTRUCTION HOUSE
1 BUKIT MERAH LANE 2
SINGAPORE 159760
enquiry@scal.com.sg

PRESIDENT
SINGAPORE INSTITUTE OF ARCHITECTS (SIA)
79 NEIL ROAD
SINGAPORE 088904
info@sia.org.sg

PRESIDENT
SOCIETY OF PROJECT MANAGERS (SPM)
MACPHERSON ROAD P.O.BOX 1083
SINGAPORE 913412
sprojm@yahoo.com

PRESIDENT
SINGAPORE INSTITUTE OF BUILDING LIMITED (SIBL)
70 PALMER ROAD,
#03-09C PALMER HOUSE
SINGAPORE 079427
josephine@sib.com.sg

PRESIDENT
REAL ESTATE DEVELOPERS’ ASSOCIATION OF SINGAPORE (REDA)
190 CLEMENCEAU AVENUE
#07-01 SINGAPORE SHOPPING CENTRE
SINGAPORE 239924
enquiry@redas.com
PRESIDENT
SINGAPORE INSTITUTE OF SURVEYORS & VALUERS (SISV)
110 MIDDLE ROAD #09-00
CHIAT HONG BUILDING
SINGAPORE 188968
sisv.info@sisv.org.sg

PRESIDENT
SINGAPORE STRUCTURAL STEEL SOCIETY (SSSS)
1 LIANG SEAH STREET
#02-11/12 LIANG SEAH PLACE
SINGAPORE 189022
secretariat@ssss.org.sg

PRESIDENT
GEOTECHNICAL SOCIETY OF SINGAPORE
C/O PROFESSIONAL ACTIVITIES CENTRE
NUS FACULTY OF ENGINEERING
9 ENGINEERING DRIVE 1
SINGAPORE 117576
geoss@nus.edu.sg

PRESIDENT
PROFESSIONAL ENGINEERS BOARD, SINGAPORE (PEB)
1ST STOREY, TOWER BLOCK, MND COMPLEX
5 MAXWELL ROAD
SINGAPORE 069110
registrar@peb.gov.sg

PRESIDENT
BOARD OF ARCHITECTS (BOA)
5 MAXWELL ROAD
1ST STOREY TOWER BLOCK
MND COMPLEX
SINGAPORE 069110
boarch@singnet.com.sg

DIRECTOR
PROTECTIVE INFRASTRUCTURE & ESTATE
DEFENCE SCIENCE & TECHNOLOGY AGENCY
1 DEPOT ROAD #03-01J
SINGAPORE 109679
oyewhing@dsta.gov.sg

DEPUTY DIRECTOR
PROJECT DEVELOPMENT & MAINTENANCE BRANCH
MINISTRY OF EDUCATION
1 NORTH BUONA VISTA DRIVE
OFFICE TOWER LEVEL 9
SINGAPORE 138675
eng_wee_tong@moe.gov.sg
DIRECTOR
BEST SOURCING DEPARTMENT
PUBLIC UTILITIES BOARD
40 SCOTTS ROAD #18-01
ENVIRONMENT BUILDING
SINGAPORE 228231
koh_boon_aik@pub.gov.sg
lim_kim_tee@pub.gov.sg

DEPUTY CHIEF EXECUTIVE
INFRASTRUCTURE & DEVELOPMENT
LAND TRANSPORT AUTHORITY
1 HAMPSHIRE ROAD
BLOCK 8 LEVEL 1
SINGAPORE 219428
chong_kheng_chua@lta.gov.sg

DEPUTY DIRECTOR
PROJECT DEV'T & MGT SECT 1 (C&S)
BUILDING QUALITY GROUP
HOUSING & DEVELOPMENT BOARD
HDB HUB
480 LORONG 6 TOA PAYOH
SINGAPORE 310480
lkh4@hdb.gov.sg

DIRECTOR
TECHNICAL SERVICES DIVISION
JTC CORPORATION
THE JTC SUMMIT
8 JURONG TOWN HALL ROAD
SINGAPORE 609434
chwee.koh@jtc.gov.sg

DIRECTOR
BUILDING
PEOPLE’S ASSOCIATION
9 STADIUM LINK
SINGAPORE 397750
foo_soon_leng@pa.gov.sg

PRESIDENT
THE TUNNELLING AND UNDERGROUND
CONSTRUCTION SOCIETY SINGAPORE (TUCSS)
C/O CMA INTERNATIONAL CONSULTANTS PTE LTD
1 LIANG SEAH STREET
#02-12 LIANG SEAH PLACE
SINGAPORE 189022
info@tucss.org.sg
PRESIDENT
SOCIETY OF ROCK MECHANICS AND ENGINEERING GEOLOGY
1 LIANG SEAH STREET
#02-12 LIANG SEAH PLACE
SINGAPORE 189022
srmeg@cma.sg

DEPUTY CHIEF EXECUTIVE OFFICER
SENTOSA DEVELOPMENT CORPORATION
33 ALLANBROOKE ROAD, SENTOSA
SINGAPORE 099981
agencies_circulars@sentosa.com.sg

ALL CORENET E-INFO SUBSCRIBERS