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Dear Sir

IMPLEMENTATION OF EUROCODES IN SINGAPORE

In the UK, BS EN versions of Eurocodes for the design of civil and structural engineering works are progressively being developed and are expected to be ready next year. After a transitional period of 3 years when British Standards and BS EN version of Eurocodes co-exist, the British Standards will be withdrawn by year 2010. In fact, the BS EN version of Eurocode 2 'Design of Concrete Structures' has been completed and BSI has announced recently that it will no longer support BS 8110 'Structural Use of Concrete' Parts 1, 2 and 3 after March 2008. More details about implementation of Eurocodes in the UK is available at Eurocodes Web Site which is at: <http://www.eurocodes.co.uk/>

Many of our technical regulations and standards on civil and structural engineering works are linked to the British Standards. The Building and Construction Standards Committee of SPRING Singapore had consulted the industry and informed BCA of its recommendation that Singapore should align our civil and structural design practice with the Eurocodes. BCA has agreed to adopt the BS EN version of the Eurocodes and plans to specify them in the Approved Documents of the Building Control Regulations after the corresponding British Standards are withdrawn.

BCA and SPRING have jointly formed Technical Committees comprising representatives from professional organizations, practitioners, academia, statutory bodies to study the BS EN versions of Eurocodes and review the corresponding UK National Annexes to see if appropriate modifications need to be made for our use.

We are also making arrangements to prepare our industry and stakeholders for the forthcoming changeover to Eurocodes. BCA and SPRING will progressively arrange for UK experts and members of committees on drafting of Eurocodes to conduct talks, seminars or workshops in Singapore. One of such seminars is on BS EN 1997 (Eurocode 7 'Geotechnical Design') which will be held on 2 and 3 Nov 2006. Details of the seminar are in the attached brochure. We will inform the industry of other seminars and workshops when they are finalised.

If you need further clarification, you can contact me or my Senior Manager, Er. Yang Kin Seng at Tel: 63257571 or e-mail: yang_kin_seng@bca.gov.sg.

Thank you.

Yours faithfully



ONG SEE HO
COMMISSIONER OF BUILDING CONTROL
DIRECTOR, BUILDING ENGINEERING DIVISION
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TWO-DAY SEMINAR ON *DECODING EUROCODE 7*

2 & 3 November 2006

Novotel Clarke Quay Hotel

Course Fee per participant: \$360 (inclusive of GST and lunches)

Name of Participant(s):

1. Dr/Mr/Mrs/Ms : _____

Designation : _____

2. Dr/Mr/Mrs/Ms : _____

Designation : _____

3. Dr/Mr/Mrs/Ms : _____

Designation : _____

Name of Organisation : _____

Address of Organisation: _____

Contact Person : _____

Tel No. : _____ (O) _____ (HP/Pg)

Fax No. : _____ Email : _____

Please find :

Cheque No : _____ Amount (S\$) : _____ made payable to "Building and Construction Authority"

Authorised Signature /Company Stamp: _____

Closing Date : Please send in your registration form together with your payment by **20th Oct 2006**.

Registration will be on a first-come-first-serve basis. Crossed cheques should be made payable to: "Building and Construction Authority" and mailed together with the registration form to the following address:

Building and Construction Authority
5 Maxwell Road #05-00 MND Tower Block
Singapore 069110
Attn : Ms Mary Siow

Fax: 63257150 Email: Mary_Siow@bca.gov.sg

No refund of fees will be made for cancellation. However, a replacement for the participant is allowed **before** the closing date.

Enquires : For more information, please contact
Ms Goh Guat Khim Tel: (65)63251911 email: Goh_Guat_Khim@bca.gov.sg
Dr Poh Teoh Yaw Tel: (65)63255181 email: Poh_Teoh_Yaw@bca.gov.sg

Fax: (65) 63257482



A Two-Day Seminar on

DECODING EUROCODE 7 ON GEOTECHNICAL DESIGN

organised by Building Engineering Division

14 PDUs will be awarded

Date : 2 & 3 November 2006

Time : 9.00am to 5.30pm

**Venue : Novotel Clarke Quay Hotel
Phoenix Ballroom (Level 6)**

SYNOPSIS

With the publication of the first part of Eurocode 7 in December 2004, the pressure is now on engineers to become fully acquainted with its Principles and Application Rules. This training course explores and explains the new European design standard for geotechnics and features extensive case studies, design walkthroughs, and workshops.

The course touches on the complete suite of ten Structural Eurocodes, explaining the engineering concepts shared by structural and geotechnical design. It gives a detailed discussion of key new features of both parts of Eurocode 7 – general rules for design (Part 1) and ground investigation and testing (Part 2). The important issue of how to select “characteristic” ground properties is analysed in depth by way of a case study. Finally, the implications for the engineering profession and the construction industry as a whole are discussed.

There will be differences between the current British practices and the European practices. This seminar is the first part of the Eurocodes Seminar Series to prepare the construction industry and design practices in Singapore for the transition and changes for the adoption of the Eurocodes.

Speaker Profile

Dr Andrew Bond, MA MSc PhD DIC CEng MICE

Dr Bond has been actively involved in drafting key elements of Eurocode 7. He is one of the UK’s representatives on *CEN TC250/SC7*, the committee responsible for producing Eurocode 7, and is the former chairman of the European Geotechnical Society’s *Technical Committee 10 for the Evaluation of Eurocode 7*. He is a member of BSI committee *B/526 Geotechnics*, which is responsible for the preparation of the UK National Annex for Eurocode 7.

Dr Bond served on the committees that prepared the *National Strategy for Implementation of the Structural Eurocodes (2004)* and the forthcoming CIRIA report, *Eurocode 7 – differences from practice*. He co-authored the chapter on Eurocode 7 in the BSI *Guide to Structural Eurocodes for students of structural design (2004)* and has co-written the forthcoming Concrete Centre guidance *How to design concrete structure to Eurocode 2 – Retaining Structures*.

Dr Bond has delivered numerous technical courses and lectures on the Structural Eurocodes in general and Eurocode 7 in particular. These include: the Institution of Structural Engineers’s *Design of foundations to Eurocode 7* and *Half-day Seminar on Eurocode 7*; Professional Solution’s one-day courses on *Eurocode 7 – managing the change* and *Eurocode 7 – making it work*; Thomas Telford’s two-day course *Geotechnical design to Eurocode 7*; Geocentrix’s one- and two-day courses *Decoding Eurocode 7*, which have been delivered to Atkins, Entec, Gifford, Haskoning, Hyder, and Scott Wilson; and Geocentrix/Atkin;s one- and two-day courses *Decoding the Structural Eurocodes*, delivered publicly and to the UK’s Health and Safety Executive. In total, he has delivered courses on the Eurocodes to almost 1000 engineers.

TOPICS OUTLINE

1. BASIS OF DESIGN

- The Structural Eurocodes
- Eurocodes – basis of structural design
- Eurocode 7 – general rules

2. VERIFICATION OF STRENGTH

- Verification of strength
- Spread foundation
- Pile foundation
- Retaining structures

3. VERIFICATION OF STABILITY

- Verification of stability
- Worked example – static equilibrium

4. VERIFICATION OF SERVICEABILITY

- Verification of serviceability
- Worked example – settlement of footing

5. DESIGN BY TESTING

- Eurocode 7 – design assisted by testing
- Worked example – ground investigation

6. GROUND CHARACTERISATION

- Ground characterisation
- Worked example – characteristic value

7. IMPLICATION FOR CURRENT PRACTICE

- Changes to current design practice
- Consequences for engineering practice