

# **TC250/SC7/EG3: Model Solutions**

## **Progress Report No 2 for the period April-Dec 2012**

### **AGREED SCOPE OF WORK**

To prepare design examples with model solutions showing use of Eurocode 7.

The examples will start from raw data, including general geology, rather than from given characteristic values. The model solutions will aim to serve as aids to the users of EC7. The solutions will demonstrate the use of the three Design Approaches. The examples and the solutions will also identify any problems and issues with the use of Eurocode 7.

The possibility of publishing the examples and design solutions is being considered.

### **KEY ISSUES UNDER DISCUSSION**

- The main concern of EG3 is the development of design example and model solution rather than the discussion of issues. The examples being prepared include the designs involving:
  - Spread foundations
  - Pile foundations
  - Retaining walls
  - Uplift
  - Seepage
  - Embankments on soft ground
- Some issues that have been identified from the work carried out far include:
  - Whether Design Approach 3 can be used to design piles from the results of CPT tests
  - How to treat rock fill that forms a retaining structure
  - When to use the single source principle
  - Whether passive pressure is a resistance or a favourable action.

### **DECISIONS/OUTCOMES**

- There are no decisions or outcomes yet as the examples are at different stages of development.

## MEETINGS HELD/PLANNED

Tele-meeting no.	Date held/scheduled	Available from webpage?
1	22-11-2011	Yes
	16-2-2013	Yes
3	2-7-2013	Yes
4	10-9-2012	Yes
5	27-11-2013	Yes
6	31-1-2012	No - Meeting scheduled

## ACTIVE MEMBERSHIP

Name	Position*	Country	Listed on webpage?
<b>Trevor Orr (Ireland)</b>	Convenor	Ireland	Yes
<i>Agnieszka Dabska</i>	Secretary	<i>Poland</i>	Yes
Ioan Boti		Romania	
Alexandra Ciopec		Romania	
Jose Estaire Gepp		Spain	
Boleslaw Klosinski		Poland	
Andrew Lees		Cyprus	
Mariusz Leszczynski		Poland	
Andrew McNamara		UK	
Francesco Petrella		Italy	
Martin Ziegler		Germany	

## REPORT PREPARED BY:

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**Confidential**