

TC250/SC7/EG5: Reinforced soil

Progress Report No 2 for the period April-Dec 2012

AGREED SCOPE OF WORK

The main aim of EG5 work is to prepare background papers for inclusion of “Reinforced soil” subject into the Eurocode 7.

The core issue relates to the design situations of the reinforced soil structures and their relevant limit states therefore the work will concentrate on:

1. Comparison calculations based on current calculation procedures and their review in each participating country of basic examples of all design situations.
 - a) Review in detail which documents are currently used in various countries to prepare a design of a reinforced soil structure so that before making any proposals the current situation is well understood.
 - b) Each representative to outline the contents of design documents used in his/her country, illustrating the types of structure covered and the types of materials covered.
2. Determination of additional partial factors and material factors relevant to reinforced soil that are not covered in current Eurocode 7 for any situation / structure.

Material factors for reinforcing elements to determine their design strength;

Partial factors for soil/reinforcing element interface strength for specific Limit state.

KEY ISSUES UNDER DISCUSSION

Preparing a matrix of design situations and relevant limit states – unfinished was presented during the Brussels plenary session. The matrix is generally finished but some discussions are still on going.

What additional factors (partial safety, material, reduction) are to be introduced into EC7 that are necessary for reinforced soil applications?

Comparison design examples based on current practice.

Review of current practices in each country.

DECISIONS/OUTCOMES

- Matrix of design situations and relevant limit states

TC250/SC7/Evolution Groups

MEETINGS HELD/PLANNED

Tele-meeting no.	Date held/scheduled	Available from webpage?
3	26.4.2012	Yes
4	11.6.2012	Yes
5	27.7.2012	Yes
6	6.9.2012	Yes
Face to face Brussels	15-16.10.2012	Yes
7	29.11.2012	Yes
8	18.1.2013	No
9	11-15.3.2013	No

ACTIVE MEMBERSHIP

Name	Position*	Country	Listed on webpage?
Martin Vaníček	Convenor	Czech Republic	Yes
Nicolas Freitag		France	Yes
Gerhard Bräu		Germany	Yes
Ljupco Dimitrievski		FYR Macedonia	Yes
Beata Gajewska		Poland	Yes
Jakub Sierant		Poland	Yes
Loretta Batali		Romania	Yes
Manuel Pinilla		Spain	Yes
Graham Horgan		UK	Yes
Chris Jenner		UK	Yes
Rod Smith		UK	Yes

*please indicate Convenor/Secretary

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22.1.2013