

UK questionnaire on the future work of TC250/SC7 on geotechnical design (rev C)

In a joint initiative with the British Geotechnical Association (BGA) and *Ground Engineering* magazine, I am circulating this questionnaire to UK geotechnical professionals to obtain your opinions about what subjects should be developed further in the next version of Eurocode 7 (which is not due for several years – but planning must start now).

The committee responsible for Eurocode 7 (CEN TC 270/ SC7, which I now chair) has limited resources and needs to strike a balance between what we would all like the code to provide and what the committee can achieve over the next few years.

Therefore we are asking for your help in formulating plans for the future development of Eurocode 7.

Many thanks

Andrew Bond
Chairman TC250/SC7

November 2010



How to complete the questionnaire:

Please rank the topics overleaf in order of priority, by placing a cross (X) in the appropriate boxes
10 = highest priority; 9 = second highest; etc. **Please enter a maximum of ten crosses**, one for each rank.

Please return this questionnaire to me (Andrew Bond) via email to chairman@eurocode7.com

Alternatively, you can complete the online version of this questionnaire by visiting www.eurocode7.com/future

Questionnaire is continued overleaf

Name:

Email:

#	Topic	1	2	3	4	5	6	7	8	9	10
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Possible additions to Eurocode 7

1	Add new Part to Eurocode 7 covering rock mechanics										
2	Add new Part to Eurocode 7 covering tunnelling										
3	Add new Part to Eurocode 7 covering reinforced soil										
4	Add new Parts to Eurocode 7 covering detailed design (e.g. of footings, walls, piles, and slopes)										
5	Add normative calculation models (i.e. to main text)										
6	Add informative calculation models (i.e. in Annex)										
7	Add partial factors for transient/accidental design situations										
8	Add partial factors for joint SLS/ULS verifications (e.g. using simplified procedures)										
9	Add partial factors for different consequence/reliability classes										
10	Add guidance on use of numerical models (e.g. finite element, finite difference, boundary element methods)										
11	Add guidance on design of structures in Geotechnical Category 1, for use by non-geotechnical specialists (e.g. structural engineers)										
12	Add discussion of reliability based design										

Possible improvements to existing text

13	Improve guidance on selection of water pressures										
14	Improve general guidance on selecting characteristic soil parameters										
15	Improve guidance on interpretation of field tests for selection of characteristic values (Eurocode 7 Part 2)										
16	Improve guidance on limit state EQU										
17	Improve treatment of Equations 6.10a and b from EN 1990										
18	Improve guidance on buoyancy and hydraulic failure										
19	Improve treatment of structural design of foundations										
20	Improve connection to Eurocode 8 for seismic design										
21	Improve coverage of 'alternative' method of pile design based on calculation (not using correlation factors)										
22	Improve distinction between actions and resistance										
23	Improve definitions of Quality Classes in Eurocode 7 Part 2										

Possible revisions to existing text

24	Revise/harmonize NDPs following review of different countries' National Annexes										
25	Simplify/reduce number of Design Approaches										
26	Revise correlation factors for pile design										
27	Revise Eurocode 7 Part 2 to remove material readily found in text books										
28	Revise/simplify text of Eurocode 7 Part 1 to make it more readable; replace Section 3 with references to Eurocode 7 Part 2)										
29	Revise/remove text in Eurocode 7 Part 1 that is duplicated in Eurocode 7 Part 2										

Finally...

30	How would you describe yourself? (tick all that apply)	<input type="checkbox"/> Contractor <input type="checkbox"/> Consultant <input type="checkbox"/> Client <input type="checkbox"/> Civil engineer <input type="checkbox"/> Structural engineer <input type="checkbox"/> Geotechnical engineer <input type="checkbox"/> Engineering geologist <input type="checkbox"/> Other (state)									
31	How well do you know the existing version of Eurocode 7? (tick one)	<input type="checkbox"/> Very well <input type="checkbox"/> Well <input type="checkbox"/> Slightly <input type="checkbox"/> Vaguely <input type="checkbox"/> Not at all									
32	How many designs have you produced using Eurocode 7? (tick one)	<input type="checkbox"/> More than 5 <input type="checkbox"/> 3-5 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> None									