

ETC3 MEETING 16.09.2015 EDINBURGH - MINUTES

Participants : Anders Hust AUGUSTESEN (replaces Ole MØLLER), Cedric Allenou ATKINS, Andrew BOND, Maurice BOTTIAU (chair), Sébastien BURLON, Monika DE VOS, Kazimierz GWIZDALA, Noël HUYBRECHTS (secr.), Ehsan JORAT, Josif JOSIFOVSKI, Alain LE KOUBY, Alessandro MANDOLINI, Mait METS, Christian MOORMANN, Trevor ORR, Arne Schram SIMONSEN, Robert SZEPEHAZI (replaces Jozsef PUSZTAI), Panu TOLLA

Participants (Webex) : Vanessa BURTON, Paul HOELSCHER

Observers : Joost BAKKER, Michael BROWN, Soon Hoe CHEW, Fabien SZYMKIEWICZ

Apologised : Gary AXELSSON, Jean-Paul VOLCKE

Due to technical problems, participation via Webex was very difficult.

1. Minutes of the previous webex meeting of 11.06.2015

Maurice introduces the meeting and welcomes the participants.

No remarks with regard to the minutes of the previous meeting.

Open actions from the previous meeting with regard to the symposium will be addressed further in these minutes.

The minutes are approved.

2. ETC3 members and liaisons

UK representative(s) : ETC3 received several names, but ETC3 expect from UK/BGA the initiative to indicate 1 or 2 UK representatives who can coordinate the establishment of the national report, and to whom ETC3 can communicate (**action UK/BGA**).

NL has still to formalise their representative(s) (**action Paul**).

There are no new ETC3 members since last meeting.

Turkey showed interest to become member of ETC3 (**action Monika**).

The list of ETC3 members and liaisons is on the ETC3 website.

3. ETC3 website : www.ETC3.be

The new ETC3 website is online since 23.06.2015.



Open action : **All ETC3 members** are asked to send relevant reference documents with regard to piles and the terms of reference (design, SLT, DLT, RLT, integrity testing) that can be posted on the new website. Check copyright (**action Monika**).

4. International ETC3 Symposium :

Design of piles in Europe. How did Eurocode 7 change daily practice ?

Leuven (Belgium), 28th – 29th April 2016

- The Symposium takes place after the CEN TC 250 SC 7 meeting. A CEN TC 250 SC 7 WG1-3 meeting and an ITC212 meeting will be organised on Wednesday. CEN TC 250 SC 7 meeting will take place on Tuesday.
- International Advisory Committee : no changes (ETC3 members & liaisons, A. Gens, R. Frank, F. De Cock).
- Liaisons : no changes.
- Bulletins : the 2nd Bulletin will contain a detailed programme, a link to the venue and registration and banquet rates. It will be distributed end of September (**action Monika**). The final Bulletin will be sent early 2016.
- Proceedings : templates for national reports, key notes and general reports can be found on the website.
- General reports : no paper, only a presentation.
- Keynotes : presentation and paper ? To be discussed.

- **National reports :**
 - The national representatives in ETC3 are responsible for the organisation of the elaboration of the national report (**action ETC3 members**).

- **Programme :**
 - A more detailed draft programme is presented.
 - It would be interesting to add some information about the market of different piles types in the European countries. This topic will be included to the lecture of Maurice.
 - Andrew Bond suggests to change “calculations based on lab tests” to “calculations based on soil parameters” and “calculations based on in situ tests” to “calculations based on direct derivation from situ tests”
 - No focus on Design Approaches, because they will disappear.
 - Suggested lecturers will be contacted and final programme will be elaborated (**action Maurice/Noël/Monika**).

- **Design examples :**
 - We received information of 8 cases : 1 Nordic case, 2 Russian cases, 1 Portuguese case, 1 French case, 2 Belgian cases, 1 German case. An overview of soil type, soil investigation, pile type and pile load tests is given in annex 1.
 - Taking into account the selection criteria (sites that cover a typical North European, UK-Central/Eastern Europe and South European subsoil profile ; extensive ground investigation ; preferably with pile load test results) the following sites are chosen :
 - The Nordic case : we received additional information after the meeting.
 - Site with clay : Russian case 1 and Belgian case 2 → the Belgian case 2 is chosen, because more extensive soil investigation and instrumented SLTs.
 - Site with sand : Portuguese case (extensive soil investigation, instrumented SLT and PDA, but sand from granite and short piles), French case (very homogeneous



- sand, instrumented SLT, but no CPT available), Belgian case (not taken into account, because the chosen "clay" site is a Belgian one), German case (homogeneous sand, instrumented SLT and DLT, but no PMT available) → the French site is chosen, if there is still a possibility to perform a few CPTs on the site (this is less expensive than performing a PMT on the German site) **(action Sébastien/Alain)**.
- It would be very interesting to add a site with chalk : members are asked to look for a suitable site (UK, Denmark, France, Germany,...) **(action ETC3 members)**. This information could be added afterwards.
 - The information concerning the other cases will be distributed separately.
 - Countries are asked to determine the pile capacity, according to their calculation methods, if applicable.
 - For a single, axially loaded pile under compression
 - ULS and SLS (no load-settlement, only SLS capacity)
 - Only geotechnical check, no structural check
 - Characteristic value and design value
 - The aim is to focus on the approach (understanding the process), not on the final result.
- **Deadlines :**
- Design examples : distribution of the information of the design examples → Jan 2016
 - National reports : first draft → mid Oct 2015 ; feedback organising committee → end of Nov 2015 ; final version → end 2015.
 - General reports and keynotes : end of March 2016.
- **Sponsoring :**
- Sponsoring options are on the website.
 - Actually there is 1 Gold Sponsor (Fugro).
 - Please contact the symposium secretariat of indicate it on the registration form if you are interested to sponsor the symposium.

5. Guidelines Dynamic load testing

The ETC3 Symposium will be the starting point for these guidelines (2 general reports).

6. Any other business

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7. Next meetings

To be determined **(action Maurice)**.

ANNEX