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## **1 Opening, attendance, apologies, approval of draft agenda**

The meeting was opened at 9:25 by President György L Balázs.

Present were:

TC Members:

Ajdukiewicz (Poland), Astiz-Suarez (Spain), Balázs (Hungary), Bastien (Canada), Braestrup (Denmark), Chandoga (Slovakia), Chrysostomou (Cyprus), Clark (United Kingdom), Corres (Spain), Curbach (Germany), Dancygier (Israel), Dehn (Germany), Fardis (Greece), Forsström (Sweden), Foster (Australia), Ganz (Switzerland), Glavind (Denmark), Helland (Norway), Kalny (Czech Republic), Kasuga (Japan), Mancini (Italy), Martius-Hammer (Norway), Menegotto (Italy), Moussard (France), Müller (Germany), Muttoni (Switzerland), Olsen (Norway), Pielstick (USA), Popaescu (Romania), Sakai (Japan), Schumacher (*fib* Secretary General, taking the notes) Sim (South Korea), Stucchi (Brazil), Taerwe (Belgium), Van der Horst (Netherlands), Walraven (Netherlands)

Guests:

Bertanogli (Italy), Fernandez-Ordenez (Spain), Han (South Korea), Krohn (USA), Litzner (Germany), Lohaus (Germany), Park (South Korea), Sennour (USA), Silfwerbrand (Sweden), Thommen-Vidale (*fib* Secretariat), Vitek (Czech Republic),

Apologies:

Alimchandani (India), Bergmeister (Austria), Boshoff (South Africa), Klein (Switzerland), Yamazaki (Japan)

Attendance and apologies were noted as given above; the President extended a special welcome to South Korea, which is a new National Member Group in *fib*.

### **1.1 Welcome new member countries South Africa and South Korea**

Prof. Sim gave a brief presentation on KCI and a hand-out on the organisation was distributed.

### **1.2 Any matters arriving from the last TC meeting (place) and not addressed elsewhere in today's agenda**

There were none.

## **2 Technical Council meeting October, October 2011**

### **2.1 Approval of the draft notes from the meeting (Encl. 1)**

The notes of the October 2011 TC meeting in Lausanne with inclusion of corrections received from Stuart Matthews were approved (Encl. 5).

## **3 Follow-up *fib* Model Code 2010**

### **3.1 Further steps for hard cover publication, distribution, etc.**

György L Balázs thanked the editorial Group chaired by Joost Walraven and composed of Agnieszka Bigaj-van Vliet, Michael Fardis, Aurelio Muttoni, Andrea Prota, Stuart Matthews and himself for finalizing the text for the final draft of the *fib* Model Code 2010 published as *fib* Bulletins 65 and 66.

Manfred Curbach remarked that the text of the resolution by the *fib* General Assembly, 29 Oct. 2011, Lausanne, which unanimously accepted by the GA, whereby the *fib* Model Code 2010 was accepted, has to be included on the left-hand side.

Further editorial corrections can be submitted until 15 September 2012.

A long discussion followed on the options for further distribution of the final draft of the *fib* Model Code 2010 (*fib* Bulletins 65 and 66), which resulted in inviting the GA's recommendation to the Presidium on the following day to give an indication of opinion to the following proposal:

“The following questions are asked of the *fib* General Assembly for advice to the Presidium:

|   | Yes | No |
|---|-----|----|
| 1. Preference Offer for free PDFs of <i>fib</i> Bulletins 65 and 66 (final draft of MC2010) on <i>fib</i> website in Lausanne with registration (including NMGs)  |     |    |
| 2. Preference Offer for free PDFs of <i>fib</i> Bulletins 65 and 66 (final draft of MC2010) for NMGs in the same way bulletins 3 years and older are distributed and extend it to other paying members. |     |    |

*fib* Bulletins 65 and 66 give advanced version of MC2010 which will be subjected to final publication in 2013 in book form.

Presidium will consider all relevant aspects of option 1 and 2 and the financial situation of publishing the final book version and is authorized to take the final decision.”

### 3.2 Translations

György L Balázs invited the NMGs to prepare official translations of the *fib* Model Code 2010. To coordinate the translations, NMGs should officially request this to the Presidium.

## 4 Commissions (C), Task Groups (TGs) and Special Activity Groups (SAG)

### 4.1 Strategy: Potential new structure of Commissions, Task Groups and Special Activity Groups (including Lessons learnt from the work on MC2010, which should be further studied in Commissions and Task Groups) (Encl. 4)

György L Balázs introduced the proposal and emphasized that finding a new structure will be a process over the next ca. two years in order to find a new place for everyone and not interrupt activities.

The discussion resulted in the revised draft of the new structure of *fib* (Encl. 6). All Commission and SAG Chairs are asked to seek comments from their members and feedback to Presidium

The further strategy to arrive at the new structure is: Discussion of the detailed proposal at Presidium meeting Stellenbosch August 2012 and Lausanne February 2013, TC Tel Aviv April 2013, TC Marseille 30 September / 1 October 2013; announcement final structure in Mumbai Feb 2014.

### 4.2 Reports / Comments from Commission chairs and Task Group convenors (if time permits) only on recent developments since Lausanne (presentation were requested to be sent to the secretariat until 28 May 2012)

All chairpersons present briefly reported on recent activities in their Commissions and Special Activity Groups (concerning the finalization of Bulletins, this is noted under item 6.3 below). The following reports are given in the enclosures: C1 Encl 7, C2 Encl 8, C4 Encl 9, C5 Encl 10, C6 Encl 11, C9 Encl 12, C10 Encl 13.

Technical Council noted or approved in particular the following:

**Commission 1** “Structures”: Michel Moussard gave a presentation on the activities (Encl. 7).

All agreed to start T1.7 “Tunnels”. The link to the International Tunneling Association ITA is established.

**Commission 2** “Safety and performance concepts”: Luc Tarwe gave a presentation on the activities (Encl. 8).

**Commission 3** “Environmental aspects of design and construction”: Mette Glavind reported no significant news since October 2011.

**Commission 4** “Modelling of structural behaviour and design”: Stephen Foster gave a presentation on the activities (Encl. 9).

**Commission 5** “Structural service life aspects”: Brett Pielstick gave a presentation on the activities (Encl. 10).

**Commission 6** “Prefabrication”: Marco Menegotto gave a presentation on the activities (Encl. 11).

All agreed to start: T6.15 (Fernandez-Ordonez) “Sustainability of precast structures”. Commission 6 further plans to start a T6.16 “Precast concrete bridges” together with fib Commission 1 and PCI in the future.

**Commission 7** “Seismic design was not represented.

**Commission 8** “Concrete”: Frank Dehn reported no significant news since October 2011.

**Commission 9** “Reinforcing and prestressing materials and systems”: Josée Bastien gave a presentation on the activities (Encl. 12). All agreed to: T9.12 (Kido) “Ground Anchors”: Weiher was confirmed as co-chair, T9.14 (Mutsuyoshi / Poser) name changed to “Cables for cable-supported structures”, T9.17 (Ganz) “Effect of zinc on prestressing steel”: officially started and disbanded, T9.18 (Bowsher) emerging from existing group T9.7 “Guidelines for detailing” started, T9.19 (Forsström) “Dismantlement and re-use of reinforced and prestressed concrete structures” started

**Commission 10** “Construction”: Aad van der Horst gave a presentation on the activities (Encl. 13).

**SAG2**: György L Balázs reported on dissemination of knowledge in other parts of the TC meeting (items 3 and 6).

**SAG4** “Fastenings to structural concrete and masonry”: Rolf Eligehausen sent a summary (Encl. 14).

**SAG6** was not represented.

**SAG7** Giuseppe Manchini gave a presentation on the activities (Encl. 15).

**SAG8** Koji Sakai summarized the SAG8 meeting of the previous day.

**SAG9** “Revision of partial safety factors” (Menegotto) was disbanded.

## **5 Invited statements from National Member Group (NMG) Brazil**

Fernando Stucchi gave a presentation about the Brazilian NMG (Encl. 16).

## **6 Information on recent and planned developments since last TC meeting**

### **6.1 Secretariat issues**

There were none.

### **6.2 Calendar of events (Encl. 2)**

Upcoming events were briefly discussed. An updated calendar of events can be found in Encl. 17.

### **6.3 Publications – Bulletins (Encl. 3)**

Was not treated due to lack of time.

### **6.4 Publications – Journal Structural Concrete**

All are encouraged to refer to articles published in Structural Concrete in their publications as these references are decisive for the impact factor. At the time of the meeting, the impact factor was awaited. *In the meantime, it has been announced as 0.270.*

### **6.5 Website link to WOL**

Petra Schumacher demonstrated the new direct link from the members only section of the *fib* website [www.fib-international.org](http://www.fib-international.org) to the Wiley Online Library.

## **7 Miscellaneous**

There were no items.

## 8 Next meeting(s)

The next TC meeting is planned to be held in Tel Aviv on Sunday 21 April 2013.

All agreed to accept kind invitation from M. Moussard and the French NMG to meet in Marseille on 30 September / 1 October 2013 (before the UHPFRC, 1 – 3 Oct 2013).



## List of enclosures

| N° | Item | Subject   | Remarks                                |
|----|------|---|--|
| 1  | 2.1  | Draft notes Technical Council meeting Lausanne Oct. 2011<br>(Encl. 1 – 111220 DrNot TC Lau.pdf )                            | E-mailed 20 Dec 2011                   |
| 2  | 6.2  | Calendar of events<br>(Encl. 2 – 120502 ConfCal TC Stockholm.pdf)   | E-mailed 9 May 2012                    |
| 3  | 6.3  | Bulletins under preparation<br>(Encl. 3 – 120430 PrepBull TC Stockholm.pdf)   | E-mailed 9 May 2012                    |
| 4  | 4.1  | Proposal New Structure <i>fib</i> Commissions to be discussed<br>(Encl. 4 – Proposal_NEW_STRUCTURE_fib_Coms_2012-06-09.pdf) | E-mailed 9 May 2012                    |
| 5  | 2.1  | Notes Technical Council meeting Lausanne Oct. 2011<br>(Encl. 5 – 120406 Not TC Laus.pdf)                                    | E-mailed 25 Feb 2013                   |
| 6  | 4.1  | Proposal New Structure <i>fib</i> Commissions<br>(Encl. 6 – GLB Proposal for –NEW-STRUCTURE-of-fib-Coms_2012-08-30.pdf)     | E-mailed 25 Feb 2013                   |
| 7  | 4.2  | Presentation C1 Moussard<br>(Encl 7 - C1 Moussard TCStockReportJun2012.pdf)   | To be downloaded as indicated in email |
| 8  | 4.2  | Presentation C2 Taerwe<br>(Encl 8 - C2 Taerwe TCStockReportJun2012.pdf)   | To be downloaded as indicated in email |
| 9  | 4.2  | Presentation C4 Foster<br>(Encl 9 - C4 Foster TCStockReportJun2012.pdf)   | To be downloaded as indicated in email |
| 10 | 4.2  | Presentation C5 Pielstick<br>(Encl 10 - C5 Pielstick TCStockReportJun2012.pdf)  | To be downloaded as indicated in email |
| 11 | 4.2  | Presentation C6 Menegotto<br>(Encl 11 - C6 Menegotto TCStockReportJun2012.pdf)  | To be downloaded as indicated in email |
| 12 | 4.2  | Presentation C9 Bastien<br>(Encl 12 - C9 Bastien TCStockReportJun2012.pdf)  | To be downloaded as indicated in email |
| 13 | 4.2  | Presentation C10 van der Horst<br>(Encl 13 - C10 vanderHorst TCStockReportJun2012.pdf)                                      | To be downloaded as indicated in email |
| 14 | 4.2  | Email SAG4 Eligehausen<br>(Encl 14 - SAG4 Eligehausen TCStockReportJun2012.pdf)   | To be downloaded as indicated in email |
| 15 | 4.2  | Presentation SAG7 Mancini<br>(Encl 14 - SAG7 Mancini TCStockReportJun2012.pdf)  | To be downloaded as indicated in email |
| 16 | 5    | Presentation on Brazil NMG Stucchi<br>(Encl 16 - Stucchi PP NMG Brazil TCStockJun2012.pdf)                                  | To be downloaded as indicated in email |
| 17 | 6.2  | Calendar of events<br>(Encl. 17 – 130222 ConfCal TC.pdf)  | E-mailed 25 Feb 2013                   |

