



## Committee on Engineering Capacity Building

WORLD FEDERATION OF ENGINEERING ORGANIZATIONS

Private Bag X691, Bruma, Johannesburg, South Africa 2026  
Phone: +27 (0)11-607-9539 Mobile: +27 (0) 83-276-3852 FAX: +27 (0) 86-682-4951  
E-mail: [christopher.campbell@infraset.com](mailto:christopher.campbell@infraset.com)

Minutes of the steering committee meeting of the WFEO Engineering Capacity Building Committee Wednesday 30<sup>th</sup> January 2013 @ 13:30

### **1.Notice of Meeting:**

Notice of meeting had been circulated and was taken as read.

### **2.Welcome:**

Chris Campbell welcomed all present to the meeting, and thanked them for their time and contribution.

### **3.1.Present:**

Campbell	Chris	CC	ECSA	<a href="mailto:christopher.campbell@infraset.com">christopher.campbell@infraset.com</a>
Botha	Dawie	DB	ECSA	<a href="mailto:david.botha@route2.co.za">david.botha@route2.co.za</a>
Hay	Alec	AH	ECSA	<a href="mailto:alechay@myisp.co.za">alechay@myisp.co.za</a>
Manqoyi	Nosinto	N	ECSA	<a href="mailto:nosinto@ecsa.co.za">nosinto@ecsa.co.za</a>
McKune	Tom	TM	ECSA	<a href="mailto:tom@dut.ac.za">tom@dut.ac.za</a>
Pillay	Manglin	MP	SAICE	<a href="mailto:manglin@saice.org.za">manglin@saice.org.za</a>
Valassopoulos	Mahi	M	RawMedia	<a href="mailto:mahi@rawmedia.co.za">mahi@rawmedia.co.za</a>

### **3.2.Apologies:**

Franks	Ossie	OF	ECSA	<a href="mailto:frankso@ecsa.co.za">frankso@ecsa.co.za</a>
Lawless	Allyson	AL	SAICE	<a href="mailto:allyson@ally.co.za">allyson@ally.co.za</a>
Pirie	Graham	GP	CESA	<a href="mailto:gspirie@cesa.co.za">gspirie@cesa.co.za</a>
Jacobs	Theo	TJ	SAICE	<a href="mailto:theo@saice.org.za">theo@saice.org.za</a>
Wall	Kevin	KW	CSIR	<a href="mailto:KWall@csir.co.za">KWall@csir.co.za</a>

#### **4. Confirmation of Minutes**

The minutes of the meeting of 20th November 2012 were read and confirmed as a true reflection of the meeting.

#### **5. Matters Arising**

##### **5.1. Latest Committee List**

The updated committee list was tabled and noted. Additional photos to be sourced where missing.

##### **5.2. On-line Capacity Building Guidebook**

The electronic format of the Guidebook is currently only available through the SAICE website ([www.saice.org.za](http://www.saice.org.za)). TM reported that the “original” version had been sourced from the printers and would be delivered to WFEO in Paris for safekeeping as the legal custodians of the Guidebook. The pdf version to be loaded onto the WFEO website and to be available at no cost. SAICE would retain the guidebook on their website but would no longer charge for it.

##### **5.3. Update on Translations of Guide Book**

Chinese version had been made available to CC but had not been uploaded as yet. The volunteers had all been contacted, but had not reported on progress – TM to follow up.

CC to ensure that there is a clear statement on the WFEO website that the English version is the official version and any translation into other languages has not been validated.

#### 5.4. On-Line Compendium

Nosinto Manqoyi and Mahi Valassopoulos updated the steering committee on the current status of this project. After a brief demonstration of the on-line compendium the following actions were agreed to with the time lines indicated;

1. Dawie Botha will provide the following additional text by the end of the week;
  - 1.1 Introductory sentence to go on home page above existing paragraph.
  - 1.2 Paragraph on the “pillars”
  - 1.3 Paragraph on “groups”
  - 1.4 Paragraph on “topics”
2. Raw media will make the enhancements in particular to the article submission page and allow for the automated responses to the author at submission stage, and once the article is approved and uploaded.
3. Raw media will make provision for the author to be corresponded with during the review phase such that they would have administrative access to their own original submission which once edited would replace the original submission
4. The additional/modified fields to be provided with the compulsory field being the uploading of an appropriate graphic to accompany the article, and also a facility to attach a pdf or similar to the submission.
5. Once these adjustments have been made (*as soon as possible*) Nosinto will re-circulate the link - this needs to be done by **8<sup>th</sup> February** ideally at the latest to enable CC to demonstrate the compendium to the SAFEO delegates at SAICE on Monday 11<sup>th</sup> February 2013.
6. Once the new link has been made available steering committee members can use the submit feature to add items to the compendium. This needs to be done by 28<sup>th</sup> February ideally at the latest.
7. The Steering Committee will fulfil the editorial function at the next steering committee meeting scheduled for 6<sup>th</sup> March 2013 @ 13:30.
8. Raw Media to attend Steering Committee meetings (*see dates below*) until the compendium has been developed to go live.

#### 5.5. CECB Meeting Slovenia 17<sup>th</sup> September 2012

All matters from the CECB meeting had either been attended to or were in hand.

#### 5.6. UNESCO Collaboration

Dawie Botha briefly reported that he was contracted by DST for six months to develop an Engineering Initiative for UNESCO. The origin of this initiative is in South Africa and Prof Brian Figaji first submitted the proposal in the form of an Engineering Programme to UNESCO in his capacity as the South African Chair of the National commission of UNESCO, hosted by the Department of Higher Education of South Africa in collaboration with the Department of Science and Technology. The main purpose for the initiative was to address a number of mostly

generic challenges that face the Engineering Profession in especially all Developing countries and in particular, but not exclusively Africa. These issues include:

- 1. Address the shortage of engineers around the world**
- 2. Address the decreased interest in engineering as career option for young people**
- 3. Address the underrepresentation of women in engineering**
- 4. Address the brain drain in developing countries Incorporate sustainability topics into engineering education**
- 5. Generate green technology developments in engineering applications**

Dawie indicated that he was aiming for close collaboration with the WFEO Capacity Building initiative and that he would in particular suggest and recommend that the Compendium model be an integral part of the Initiative. The biggest challenges to implement such models were to align and integrate effort and to harmonize initiatives and to get sustained and real buy in from all governments and other interested, affected and related stakeholder groups across the world. He furthermore indicated that not all countries face the same challenges and that the IE will have to be customized in every country according to its particular numbers and needs. At this moment it however seems that there are many aspects that are generic and that needs list and solutions to satisfy the needs could mostly be arrived at by means of fairly simple desk top studies in each countries. The Allyson Lawless Numbers and Needs study would be a valuable source to extrapolate from.

Dawie indicated that he would keep the CECB informed of further and specific developments regarding his task.

#### 5.7. April 2013 WFEO Exco Meeting

CC advised that he would be attending the Exco meeting in Paris in April 2013. He would need to submit a report on the CECB activities. This would be available in draft form during February which he would circulate to steering committee members for comment/input.

## 5.8. WFEO Singapore

After lengthy discussion it was agreed to proceed with the planning of a half/full day interactive workshop on Capacity Building during the WEF conference. Andrew Clelland had already agreed to participate, additional two/three speakers to be identified.

Additional funding to be sourced to increase SA delegation to WFEO 2013 – CC and OF were working on this.

## **6.New Business**

### 6.1. General

Due to the extent of the discussions on the compendium, it was agreed that any new business would be dealt with at the next meeting.

### 6.2. Meeting Dates 2013

CC had circulated a provisional programme for the year. After discussion, and to limit travel expenses the following meeting dates were confirmed for 2013;

6<sup>th</sup> March 2013 @ 13:30

30<sup>th</sup> April 2013 @ 13:30

15<sup>th</sup> May 2013 @ 13:30

31<sup>st</sup> July 2013 @ 13:30

9<sup>th</sup> September 2013 (WEF Singapore)

30<sup>th</sup> October 2013 @ 13:30

27<sup>th</sup> November 2013 @ 13:30

## **7. Date of next meeting**

The next steering committee meeting would be held on 6<sup>th</sup> March 2013 at 13:30. The main topic of the meeting would be to test the compendium and the editorial functions of material submitted.

## **8. Closure**

There being no further business to discuss the meeting was closed at 17:10. CC thanked everyone for their participation.

\_\_\_\_\_  
Signed:

\_\_\_\_\_  
Date: