



# SOUTH EASTERN EUROPEAN REGION OF CIGRÉ

## SEERC

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April 09, 2015

**MINUTES**  
**Of the Advisory Technical Committee Meeting**  
**Held on Wednesday, 25 March 2015, at 9.00**  
**In ÖVE Offices, Eschenbachgasse 9, 1010 Vienna**

### **Meeting Agenda**

1. Welcome address of the Austrian National Committee Representative
2. Introductory speech of the SEERC Chairman
3. Greetings addressed to SEERC Member Delegates from the Invited Honorable Guests
4. Introduction to the follow-up program (ATC Chairman)
5. Presentation of the Results of Questionnaire (M. Pompili, University La Sapienza, Rome)
6. Importance of CIGRÉ support and selection and determination of preferential technical topics for the SEE Region
7. Open Discussion: country by country
8. Suggestions and Proposals for the First SEERC Conference in April 2016
  - a. Draft Proposal of the Conference Program,
  - b. Academic Forum, Young CIGRÉ members meeting
  - c. Invitation to cooperation with MEDRING, ENTSO-E, EU Commission, European Academy of Sciences and Arts
9. New initiatives for Regional Working Groups,
10. Follow up

### **Invited:**

- Representatives from National Committees involved at SEERC Advisory Technical Committee,
- Representatives of CIGRÉ - Paris, European Academy of Sciences and Arts, Energy Community

### **Attendees:**

- The List of Attendees is attached to the Minutes of Meeting

*In accordance with CIGRÉ Compliance Rules at the beginning of the meeting was explained CIGRE document Antitrust Guidelines for CIGRE Meetings.*

### **Ad 1.**

The Austrian National Committee Representative Herbert Lugschitz welcomed the present participants. He introduced the ÖVE representative, Mr. Gabriel to greet the attendees. ÖVE kindly allowed for the Meeting to be held in their offices which are suitably located and easily accessible to all the invitees. Mr. Gabriel gave a brief presentation of the ÖVE and expressed his wish for a fruitful work.

#### **Ad 2.**

The President of SEERC Mr. Kresimir Bakic gave an introduction to this important event recalling the previous agreements and some subjects dealt with during the past SEERC Board Meeting.

#### **Ad 3.**

The President of the European Academy of Sciences and Arts Professor Felix Unger greeted the SEERC members and quoted particularly the assignments and role of the Academy and its presence in the Eastern and Southeastern European Area. He pointed out the importance of the message which Academy inherited from illustrious outstanding founders and the 25 year endeavoring to continue this path.

The President of CIGRÉ Klaus Fröhlich expressed his wish for a good work of the Regional CIGRÉ Council and for contributing to improve the activity of the existing CIGRÉ Working Groups. The NC CIGRÉ of Austria Chairman and CEO of Austrian Power Grid Mr. Gerhard Christiner presented the APG and the grid situation in Austria. He explained in detail the situation in the electricity system of Austria based on its Key Facts, the challenges introduced by increase of renewables, trading system and market impacts.

#### **Ad 4.**

Chairman of the Advisory Technical Committee (ATC) Maks Babuder presented the follow up program. He briefly reported on the committee's assignments determined in the SEERC Board Meeting in Belgrade. Constituting of the ATC can be done stepwise. The up-to-date membership is as follows (NC CIGRE, name, company, cover activity):

##### **CIGRE Italy**

1. Massimo Pompili (Sapienza University of Rome), SC D1
2. Sergio Chinosi (Prysmian), SC B1
3. Sergio Libratti (ENEL), SC C5

##### **CIGRE Slovenia**

4. Kresimir Bakic (ELES), SC B2, C1
5. Maks Babuder (EIMV), SC A3
6. Viktor Lovrencic (C&G), SC B2

##### **CIGRE Croatia**

7. Miroslav Mesic (HOPS), SC C4
8. Bozidar Filipovic (NC CIGRE)

##### **CIGRE Austria**

9. Klemens Reich (APG), SC B2
10. Herbert Lugschitz (APG), SC B2

##### **CIGRE Turkey**

11. Salim Yürekten, SC A2

##### **CIGRE Ukraine**

12. Yuri Bondarenko, SC C6

##### **CIGRE Macedonia**

13. Rubin Taleski (University), SC C2

We are expecting nomination of ATC members from Greece, Montenegro, Bosnia and Herzegovina, Serbia, and Romania. From Hungary and Greece we have received messages and positive signals for participation at the next meeting. Same signals have been received from Czech Republic too.

#### **Ad 5.**

In the previous meetings a Questionnaire was launched and distributed with the purpose to obtain the information about the existing transmission facilities in each of the participating

countries, its planned expansion, including an outlook in the medium range future and notably the overall expertise potential truly available to achieve these targets. The yearned transition from conventional electric power sources to renewables in such a rush requires a huge engineering capacity having a suitable expertise. The expected introduction of new IT into electric power networks and also on the consumer side, emerging of new consumers (E-mobility) and so called "Prosumers" (Producers+Consumers) reflects an impact to the transmission system operators imposing different behaviour and new challenges. That is why an immediate reply from the Academia is needed and expected.

Massimo Pompili reported on what has been done so far. This document may be considered as a first version and needs to be enlarged and in some parts completed.

The action to be taken was agreed and a follow up is to be triggered in the coming days.

#### **Ad 6.**

In discussion has been underlined importance of CIGRE supports in the all regional technical issues. Regional Working groups should deal with typical regional technical problems. New established 4 regional working groups follow these directions and members can expect added value to regular CIGRE technical work on the worldwide level. Some concerns are still open with regards to the Regional Rules of operation and coordination with Central CIGRE bodies and representatives. The action in this direction has to be prepared for the next MB meeting in June, 2015 in Kiev, Ukraine.

#### **Ad 7.**

An exhaustive discussion concerning the date, the topics, the paper selection and reviewing, the conference venue and pertaining logistics was thoroughly made. All of the attendees participated to yielding the commonly shared conclusions. At the end it could be concluded that majority agreed to select 4 topics for the first conference, which should be two days. First day with invited lectures and national papers and second day for selected free papers focused on 4 preferential subjects:

- ***Energy and Environmental policy in Region,***
- ***Submarine cables issues in Region,***
- ***Regional Energy Market Aspects and***
- ***Innovation in electricity infrastructure of the Region***

#### **Ad 8.**

Proposal for the first SEERC Conference is attached to this Minutes of the Meeting. The final decision and last corrections should be finalized at the next MB meeting in Kiev. **Third official meeting in Kiev was agreed and announced for 22-24 June 2015.**

Other important task for Kiev meeting will be the document determining Regional CIGRE Council operation framework. Results of the Kiev meeting will be reported at the next CIGRE Administrative Committee meeting in Malaysia.

#### **Ad 9.**

On new initiatives to establish Regional Working Groups (RWG 4) reported:

- Yuri Bondarenko (Ukraine) who prepared ToR for a RWG entitled ***"Technical and economical features of Hydro Pumped storage power plants (HPSPPs) in power systems"***

He pointed out the role of conventional Hydroelectric pumped storage power plants which operate either as a turbine-generator set or reversible motor-pump set consequently they are able to be used not only in the generating mode but also as source of the rendering ancillary services, which contribute as to optimization of the daily load curve and reliability improvement hence overall supply quality. The capability of the HPSPP to store energy at night and return it to electric power system at the time of the highest load makes them an efficient tool for aligning the electricity grid capacity.

**The members of the SEERC are invited to nominate experts for Regional Working Group 04.** Some countries already nominated experts.

At the end of this MoM is attached the membership of all regional WGs.

New proposal to establish RWG 5 was presented by Viktor Lovrencic from Slovenia. He reported on a discussion between Hungarian and Slovenian participants in the ICOLIM 2014 where the idea of establishing a cooperation between CIGRÉ and LWA (LWA = Live Work Association) was launched. The new WG was proposed by Slovenian and Hungarian CIGRE members to SC B2 but after quite a long period of awaiting, the decision was not taken and made known. For this reason it was proposed to launch regional cooperation on this technical issue. As convener was proposed Mr. Németh Bálint from the Budapest University of Technology and Economics. He is a member of CIGRE and member of CIGRE SC A2 as Hungarian delegate as well as active WG member in a few WGs.

After an additional explanation of the problem by secretary of B2, Mr. Herbert Lugschitz, it was concluded to try to finalize the procedure within the Study Committee B2. In the other case it could be established as regional WG.

The ToR of RWG 01, RWG 02, RWG 03 and RWG 04 were presented and accepted without any objections.

**Ad 10.**

An initiative was made from the SEERC Board Chairman to invite the Czechoslovak NC of CIGRÉ to join the SEERC. To this purpose the first contacts and invitation to the Vienna Meeting was done. During the same period the CS NC Meeting was going on, that is why its representatives couldn't attend the SEERC Vienna Meeting. They will be invited to the next one in Ukraine and hopefully participate.

**Selim Yürekten** reported on the establishing of the Turkish NC CIGRE and its start of operation. He took the assignment to report on the Vienna Meeting to the Turkish CIGRÉ NC Chairman (Mr. HALIL ALIS, TESAB, Ankara). President Klaus Fröhlich pointed out the importance of a clear delineation of the Turkish Members of the SEERC Board. It well suits the objectives of SEERC to have at least one Member of the Board attending the Meeting.

Meeting was finished at 13.00.

## APPENDIX 2: The list of the RWG members

RWG 01 - Convenor, Kresimir Bakic ([kresimir.bakic@eles.si](mailto:kresimir.bakic@eles.si))

### **Italy**

Alfonso Posati ([alfonso.posati@terna.it](mailto:alfonso.posati@terna.it) )

Piero Berardi ( [piero.berardi@terna.it](mailto:piero.berardi@terna.it) )

### **Slovenia**

Branko Zadnik ([branko.zadnik@ibe.si](mailto:branko.zadnik@ibe.si))

Jernej Rebolj ([jernej.rebolj@ibe.si](mailto:jernej.rebolj@ibe.si))

### **Croatia**

Zoran Rubinic ([zoran.rubinic2@dalekovod.hr](mailto:zoran.rubinic2@dalekovod.hr) )

Dragutin Mihalic ([dragutin.mihalic@hep.hr](mailto:dragutin.mihalic@hep.hr) )

Gordan Mirosevic ([gordan.mirosevic@dalekovod.hr](mailto:gordan.mirosevic@dalekovod.hr) )

Ivica Pavic ([ivica.pavic@fer.hr](mailto:ivica.pavic@fer.hr))

### **Austria**

Herbert Lugschitz ([herbert.lugschitz@apg.at](mailto:herbert.lugschitz@apg.at) )

### **Serbia**

Nebojša Petrović ([nebojsa.petrovic@ems.rs](mailto:nebojsa.petrovic@ems.rs) )

### **Macedonia**

Metodija Atanasovski ([metodija.atanasovski@tfb.uklo.edu.mk](mailto:metodija.atanasovski@tfb.uklo.edu.mk) )

Jane Gerasimovski ([janeg@mepso.com.mk](mailto:janeg@mepso.com.mk))

### **Turkey**

Levent Kinal ([levent.kinal@teias.gov.tr](mailto:levent.kinal@teias.gov.tr) )

### **Ukraine**

Gennadiy Kachalenko ([zakn@ukr.net](mailto:zakn@ukr.net) )

Vladimir Lyakh ([vvl@pkms.com.ua](mailto:vvl@pkms.com.ua) )

Yaroslav Nazim ([yaroslav.nazim@gmail.com](mailto:yaroslav.nazim@gmail.com) )

Oleg Semenko ([semenkoo@ukr.net](mailto:semenkoo@ukr.net) )

All together 18 members from 8 countries.

RWG 02 (Convenor, Maks Babuder, [maks.babuder@eimv.si](mailto:maks.babuder@eimv.si))

### **Italy**

Marco Giussani ([m.giussani@tamini.it](mailto:m.giussani@tamini.it) )

Stefano Zunino ( [stefano.zunino@terna.it](mailto:stefano.zunino@terna.it) );

Francesco Dicuonzo ( [francesco.dicuonzo@terna.it](mailto:francesco.dicuonzo@terna.it) )

### **Slovenia**

- to be nominate 2 members

### **Croatia**

Goran Majstrovic ([gmajstro@eihp.hr](mailto:gmajstro@eihp.hr) )

Božidar Filipović-Grčić ([bozidar.filipovic-grcic@fer.hr](mailto:bozidar.filipovic-grcic@fer.hr) )

Viktor Milardić ([viktor.milardic@fer.hr](mailto:viktor.milardic@fer.hr) )

Srete Nikolovski ([srete.nikolovski@etfos.hr](mailto:srete.nikolovski@etfos.hr) )

### **Serbia**

Duško Tubić ([dusko.tubic@ems.rs](mailto:dusko.tubic@ems.rs))

Saša Minić ([sminic@ieent.org](mailto:sminic@ieent.org))

### **Turkey**

Selim Yürekten

All together 13 members from 5 countries

Expecting nomination of more experts.

RWG 03 (Convenor, Massimo Pompili, [massimo.pompili@uniroma1.it](mailto:massimo.pompili@uniroma1.it) )

**Italy**

Nicola Kuljaca ([nikola.kuljaca@prysmiangroup.com](mailto:nikola.kuljaca@prysmiangroup.com) );

Luca Moiana ([luca.moiana@terna.it](mailto:luca.moiana@terna.it) )

**Croatia**

Srećko Aljinović ([srećko.aljinović@hops.hr](mailto:srećko.aljinović@hops.hr) )

Zdravko Pamić ([zdravko.pamic@hep.hr](mailto:zdravko.pamic@hep.hr) )

**Slovenia**

- Ales Kregar ([ales.kregar@eles.si](mailto:ales.kregar@eles.si) )

- Rudi Voncina ([rudi.voncina@eimv.si](mailto:rudi.voncina@eimv.si) )

Expecting nomination of experts from **Montenegro, Greece and Turkey.**

**RWG is under construction.**

**RWG 04 (Convenor, Yuri Bondarenko, [ynb@ukr.net](mailto:ynb@ukr.net) )**

**Italy**

Gianluca Bruno (TRI) – e-mail missing

Julio Alterach ([Julio.Alterach@rse-web.it](mailto:Julio.Alterach@rse-web.it) )

Third members will be from ENEL

**Serbia**

Dragan Balkoski ([dragan.balkoski@ems.rs](mailto:dragan.balkoski@ems.rs) ).

**Croatia**

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**Slovenia**

- To be nominate at least 3 members

Expecting nomination of experts from Austria, Romania, Bosnia and Herzegovina, Turkey.

Advisory Technical Committee of SEERC  
Chairman  
Maks BABUDER, Slovenia