CIGRE SC B1
Activities 2016-2017

Marco Marelli
Chair Cigré SC B1 “Insulated Cables”
Thank you Pierre!
HIGHLIGHTS of SC B1

• In 2017 SC B1 celebrates its 90th anniversary

• Positive relations with external organisations: IEEE/PES/ICC and IEC TC 20, need to improve relations with new stakeholders (e.g. IEEE/DIES)

• Program of Publications suffered in 2016 (published only 50% of what planned) and only slightly improved in H1-2017

• Improved diversity within Working Bodies (more women, more young members, improved geographical distribution)

• Organisation of SC B1 in line with Cigré recommendations. Need to improve relations with other SCs.

• Relations with Regional and National Cigré organizations being improved
Commitment to QUALITY and EFFICIENCY of SC B1

Deliverables of Cigre B1 Working Bodies are usually in the form of Technical Brochures that are highly considered and regarded as fundamental documents within the technical community.

Quality of TBs shall be monitored and constantly perfected.

The time-to-market of SC B1 production shall improve, both in the preparation of final reports and in their revision and approval process.

- Preparatory Task Forces – 1 year from SC B1 approval to produce the ToR for future WGs

- Working Groups – 3 years from SC B1 approval to produce the Draft Final Report and to present it to SC B1

- Revision Teams (including SAG B1 reps and WGs members) – 6 months from presentation to SC B1 of the Draft Final Report to release for publication and preparation of Tutorial
The following WGs have been decided during SC Meeting and their ToRs prepared and approved by the TC Chairman during the second half of 2016:

- WG B1.58 Asset Management in MV Cable Systems (Slawomir Noske/PL)
- WG B1.60 Maintenance of HV Cable Systems (Bart Mampaey/BE)
- WG B1.61 Installation of HV Cable Systems (Eugene Bergin/IR)

Additionally, SC B1 decided to launch preparatory TFs to evaluate the need for future WGs on the following subjects:

- TF B1.62: Updating of TBs for EHVDC & UHVDC Cable Systems
- TB B1.63: Specifications for HVAC Dynamic Cables above 36kV
- TB B1.64: Evaluation of Armour Losses
SC B1 Publications since last SC Meeting

<table>
<thead>
<tr>
<th>WG number</th>
<th>Name of the Publication</th>
<th>Publication date</th>
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<tbody>
<tr>
<td>WG B1.34</td>
<td>Mechanical forces in large cross section cable systems</td>
<td>December 2016 – TB 669 - Electra 290</td>
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<tr>
<td>WG B1.36</td>
<td>Life Cycle Assessment and Environmental Impact of Underground Cable Systems</td>
<td>May 2017 – TB 689 - Electra 292</td>
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Based on current status, it is foreseen that the following WGs will complete their work and will be ready to publish in Q4-2017 or H1-2018: B1.28, B1.47, B1.36, B1.41, B1.45, B1.55

Uptate of Green Book on Accessories is in progress, taking into account HVDC (TB 496, TB 622) and work on conductor connectors (WG B1.46).
OTHER ACTIVITIES/MEETINGS of SC B1

Since last SC Meeting (passed) B1 has been present/represented and active at:

- AORC Technical Meeting (Thailand, Nov 2016)
- GCC Cigre Power Conference (Qatar, Nov 2016)
- ICC Fall (USA, Nov 2016)
- AORC Cigre Conference (Australia, Mar 2017)
- ICC Spring (USA, May 2017)

Next participations include:

- Colloquium B1 (India, Oct 2017)
- GCC Cigre Power Conference (Oman, Oct 2017)
- Full week B1 in New Delhi
  - SC B1
  - AORC B1
  - Tutorials B1
  - Support to International Colloquium on HV Insulated Cables
• “Power Systems of the Future” and “Best Use of Existing Systems” remain the main focus of most of the work

• More attention to environmental issues

• Improved communication with stakeholders, starting from listening their needs
NEW 10Y STRATEGIC PLAN SC B1

SC Organisational Structure

3 Advisory Groups

- **Listen** and collect information from stakeholders. → CAG
- **Communicate** with stakeholders through tutorials and other tools → TAG
- **Steer** the actions of the Study Committee → SAG

People specifically responsible for relations with Cigre Regional Groups and with other organizations
NEW 10Y STRATEGIC PLAN SC B1

Major directions of activities

Administrative Strategies

• Maintain and develop technical competence (safeguard technical excellence, engagement of young people, recognition, …)

• Align SC B1 activities with needs of target groups (global coverage, cooperation with other interest groups, time-to-market, …)

• Seek continuous improvement in communication (quality of documents, new tools and social media, …)

Engineering strategies

• Maintain and improve core technologies (cover all aspects of design, construction, operation, end of life of cable systems, promote quality, …)
ON-GOING STRATEGIC ACTIONS of SC B1

Specific actions for the increase diversity and inclusion

• Current practice in SC B1 is to allow/promote the presence of one young member (under 35 years) in WGs when their National Committee can provide one experienced member.

• In general, diversity within B1 activities is improving: the number of young experts and of women is constantly increased.

SC website

• SC B1 website (http://b1.cigre.org/) has been updated in September 2016

• KMS is being used by most of active WGs. Also some preparatory TFs asked to have a space in the collaborative tool.
AORC (current and) future contribution to SC B1

- Mirror group vs. Lens group. Make AORC a bi-directional magnifier: center to local, local to center.

- Ambassador of “geographical distribution”. AORC can be easily see as role model for other Regional groups.

- Active in WGs, through AORC representatives. Countries without direct National participation in Study Committee can be represented by AORC.

- Don’t be shy! We need leaders. Increased number of WG members should be reflected in an increased number of Secretaries and Conveners.
THANK YOU