

**CIGRE-UK AGM  
MINUTES OF MEETING  
HELD ON  
13<sup>th</sup> November 2009  
AT  
NATIONAL GRID  
1-3 THE STRAND LONDON**

**Present:**

Chris Jones  
John Finn  
Adam Middleton  
Jonathan Halliday  
Colin Ray  
Trevor Stokes  
Mark Waldron  
Paul Coventry  
Norman MacLeod  
Zia Emin  
Phil Johnson  
Richard Adams  
Julian Head  
Soon Kiat Yee  
Simon Lloyd  
Andy Booth  
Russell Martin  
Paul Hopewell  
Lewis Dale  
A.C. Hall  
Gordon Wilson  
Stephen Trotter  
Paul Jarman  
Bjarne Andersen  
Michael Sims  
David Brazier  
Ian Cunningham  
Roman Svoma

**Apologies:**

Trevor Gregory  
Peter Black  
David Hearnshaw  
Nick Jenkins  
Arthur Mackrell  
Edgar Goddard  
Ian Naylor  
Ray Holgate

Peter Crossley  
Brian Waring  
Gordon Barnes  
Peter Ozers

### **Minutes of last meeting**

1. These were accepted

### **Outstanding Actions**

2. All actions were either completed or on the agenda

### **CIGRE-UK Business**

3. The members considered the nominations for UK Regular Members for the period 2010 – 2012. There was one nomination for each of the study committees A1, A3, B1, B4, B5, C1, C2, C3, C4, D1 and D2, these names were considered and agreed. In the case of study committees A3 and C6 there was more than one nomination and a vote of members had been conducted, the outcome of the vote was presented and agreed. In the case of study committee C5 a nomination for RM had been received just prior to the AGM and the voting process was still in progress at the time of the meeting, it was agreed that the result of the vote would be accepted. The agreed list of UK RM's will be sent to CIGRE central office and the final position is to be shown in the minutes (given at end of minutes).
4. It was noted that the current two UK study committee chairman, Mark Waldron for SC A3 and Bjarne Anderson for B4 will continue for another two years.
5. The members considered the Executive membership for the next two years including Chairman and Vice Chairman. All existing members had indicated that they were willing to continue with the exception of Trevor Gregory, Leslie Bryans, Edgar Goddard, and Peter Black. Chris Jones expressed his thanks for all the effort and contribution that all had made over the years that helped to build CIGRE-UK into a strong and healthy organisation. Nominations for the Executive had been received these being Stephen Trotter (ABB), Andy Booth (Ellis Patents), Marc Boulter (AMEC), Leigh Williams (AECOM), Andre Canelhas (AREVA-td). Jonathan Halliday the outgoing chairman of the NGN section was invited to join the Executive which he accepted. This gave a total number of potential Executive members of 17. The Constitution allows for 12 Executive members (including chair/vice chair) plus co-opted members totalling two plus one for every 50

equivalent membership number above 250. As the equivalent membership is now 630, the maximum allowed number of co-opted members can be 9. The Executive members can therefore be a maximum of 21. All nominations for the Executive can be accommodated under the Constitution and this was agreed. The members then considered the position of Chairman and Vice Chairman. Chris Jones was nominated by John Finn seconded by Adam Middleton for the position of Chairman, there were no other nominations and this was accepted. Nick Winsor was nominated by Mark Waldron seconded by Lewis Dale for the position of Vice Chairman, there were no other nominations and this was accepted.

6. There was a discussion of the arrangements for the Paris 2010 session as follows:

- A) It was noted that authors of UK papers had now been contacted by Central Office and UK referees had been appointed to review the papers before they are sent to Paris in early January 2010.
- B) Arrangements for the UK Cocktail Reception are in hand and sponsors to fund the event will now be sought.
- C) We have been notified by central office that on-line registration will be available again with payment by credit card. It was agreed that this method of registration will be used by UK delegates.
- D) A number of activities for NGN members are being progressed as follows:
  - 8. stand
  - 9. technical tour
  - 10. evening event
  - 11. presentation at EPEE discussion session

9. It was noted that the membership numbers continue to increase and the growth over recent years is shown in the figure given at the end of these minutes.

## **NGN Report**

5. The NGN Chairman gave a brief update on NGN activities over the last six months. An incremental growth of NGN Membership was experienced over the last six months bringing year-to-date registrations to 24 new NGN Members and 30 new Associate NGN Members. The combined NGN membership is now just short of 200 Members. A brief overview of the last NGN Technical Event was given - this was hosted by Prysmian Cables at Wrexham - the event comprised a number presentations followed by a tour of the cable manufacturing facility. A brief overview of the upcoming event to be jointly hosted by

Areva T&D and Alstom was given. The NGN AGM process was explained highlighting the fact that the three elected members of the NGN Steering Committee were due for election. The Chairman explained that he would not be standing for re-election as he felt that it was an appropriate time to step aside and let another NGN Member fulfil this role. An overview of the proposed NGN Roadmap of events was given with positive suggestions / feedback received from the Executive Committee. NGN Events are still being well supported from CIGRE member companies/ institutions. NGN are to rethink the Mentoring scheme - it was suggested that NGN focus less on mentoring and more on promoting involvement of NGN Members in Working Groups. One of the NGN Members recently attended the CIGRE UK Technical Committee meeting to promote NGN and to discuss their future engagement in WGs. The NGN Website continue to be a key communication tool - NGN will be revamping there website in 2010 with newfound expertise within NGN. NGN continue to operate with very little financial contribution from CIGRE UK funds - NGN negotiate sponsorship for most events thus minimising their budget expenditure. At the NGN AGM in November the NGN Steering Committee with be updated with the newly elected candidates. The new NGN Chairman will be welcomed onboard by the CIGRE UK Executive Committee at there next meeting. All Executive members thanked Jonathan and all those involved for their excellent work in getting the NGN established in the UK and their efforts to get this adopted throughout CIGRE.

## **Report from the Executive Committee and Administrative Council**

Points from Admin Council/Steering Committee meetings in Buenos Aires October 2009.

- a. TC Strategic plan nearing completion. Will be circulated to Ad Co members by end of November and will then be published in ELECTRA, but a new more "dynamic" title is being sought.
- b. New appointments of SC Chairmen in 2010
  - i. A2 - C. Rajotte (Canada)
  - ii. B1 – P. Argaut (France)
  - iii. B2 – K. Papailou (Switzerland)
  - iv. C2 – J. Vanzetta (Germany)
  - v. D1 – J. Kindesberger (Germany)
  - vi. D2 – C. Samitter (Spain)
- c. Klaus Frohlich will continue as TC Chairman 2010 -2012
- d. Process for recruitment of new Sec General has started. Call for candidates circulated, Dec 19<sup>th</sup> closing date.
- e. Finances in good situation. No increase in 2010 membership subscription or 2010 session fees
- f. CIGRE has been confirmed by French tax system as "non profit organisation" hence will no longer pay taxes on any surplus.

This may have implications on VAT on fees but this needs to be checked.

- g. New National Committee support fund agreed, €100k over two years. Rules for application and implementation being finalised.
- h. Guest speaker for 2010 session will be Shozuke Mori from Japan "Initiatives by Power Industry towards low carbon emission society"
- i. Registration process for 2010 will be same as 2008.....on line for UK delegates.
- j. Working Group has been set up to look at Session papers.....Numbers, National Committee Allocations, Quality etc. this is due to the ever increasing number of papers straining the current system.
- k. CIGRE membership growing, now 10,494. Top country is Brazil 891, UK 619, France 583, USA 520, Australia 415, Japan 407, Germany 401.....
- l. Promotion of CIGRE has been looked at by ad hoc group and new CIGRE power point slides nearing completion and DVD also being produced.
- m. History of CIGRE book – Part 1 General CIGRE history will be complete for 2010 session. Part 2 which is the history of the National Committees has been delayed by 6 months.

### **CIGRE-UK Strategic Plan**

At the Executive meeting on 10<sup>th</sup> June 2009 it was agreed that following the achievements over recent years in achieving strong growth in membership it was timely to now to draft a CIGRE-UK Strategic Plan to set a clear path into the future and a team was established to progress this lead by Adam supported by Chris, Mark, Nick, Jonathan and Colin. Adam made a presentation to members based on discussions by this team. The presentation is attached to these minutes. It was agreed that the team should continue to develop the plan focusing on four vectors which would will form the core directions over the next ten years. The team are to report to the Executive in 2010.

### **Study Committee Business**

- 11. The chairman of the UK Technical Committee gave a report from the UKTC held earlier that day, a copy of the report is attached to these minutes.
- 12. A report on discussions from the CIGRE Technical Committee meeting held earlier in the week were presented by Bjarne Anderson, a copy is attached to these minutes.

## Financial Report and Membership Update

13. The final accounts for 2008 have been signed off by the independent accountant.
4. The forecast accounts for 2009 were presented, these showed that because of the changes in exchange rate a loss was incurred on the membership fees paid to Paris in effect subsidising all members for the 2009 membership fee. The final position will be presented to the Executive at their meeting in June 2010.
6. There was a discussion on a number of membership issues in particular to decide the membership fees for 2010. The membership issues were as follows:
  - a) the CIGRE Central Office have successfully negotiated with the French tax authorities that VAT would no longer be applicable to CIGRE component of the membership fee. There was some uncertainty whether this would also be applicable to the UK component of the membership fee. This would be discussed with the National Grid VAT expert to clarify what should be done for 2010. **(ACTION:COLIN RAY)**
  - b) since the 2009 membership fees were calculated the £/euro exchange rate has changed and the CIGRE component of the membership fee will need to be increased to take account of the rate forecast for 2010. It was agreed that the fee for the next year should be based on the forward FOREX rates as applying at 31<sup>st</sup> October on the preceeding year. Based on the 2010 FOREX rates as at 31<sup>st</sup> October 2009 it was agreed the membership fee for 2010 be based on 1.114 euros to the pound sterling.
  - c) the different economic conditions have placed pressure on the finances because of the changes in exchange rates over the last two years and the much lower level of interest earned on the reserves. Because of this it was agreed that consideration be given to the future funding of CIGRE-UK activities, it was also suggested and agreed that the CIGRE-UK component of the Collective I membership fee be increased for 2010 and that a full review of membership fees be undertaken by Chris and Colin for 2011 onwards. **(ACTION: Chris Jones and Colin Ray)**

### **AOB**

No items were raised.

## **Key points from CIGRE-UK Technical Committee meeting, 13/11/2009**

All UK regular members requested to provide specific (& quantifiable?) examples of benefits which companies have achieved via participation in CIGRE. Examples to be sent to relevant Study Committee chairmen or to M. Waldron for onward transmission to Technical Committee.

The standard of the various CIGRE websites was generally agreed to be inadequate. They should be both informative and intuitive. It was suggested that the IEEE would be a good reference point since they seem to have embraced web technology much more effectively than CIGRE.

A discussion took place regarding CIGRE's role in "professional development". Greater participation in CPD schemes and the need for CIGRE publications to be better recognised as academic publications were discussed. These views will be taken forward as a contribution to the ongoing TC debate on this topic.

The format of the Paris sessions was discussed. The strengths/benefits of the special reporter system were acknowledged but it was highlighted that Paris discussion meetings were rather impenetrable to the "casual" participant who have been unable to read all papers/reports in their non-specialist area(s). This de-values the overall conference week for many attendees. It was proposed that the sessions are re-balanced between presentation of topics and discussion to make them more accessible to non-specialists whilst maintaining the technical value. This would rely heavily on the chairman/special reporter to prioritise and manage the technical discussion areas.

It was suggested that, in the era of electronic publication, strict rationing of paper numbers was no longer necessary providing quality was maintained and the special reporter managed the questions well.

A discussion took place regarding improving engagement of NGN members with the wider technical community. Separate proposals will be presented to the UK Executive on this topic in due course.

The UK TC requested the UK Exec to improve guidance and planning for UK hosted Colloquia etc.

It was suggested that greater regulator involvement in SC C5 would be beneficial and that an OFGEM nominee should be put forward for consideration.

## **Notes from Technical Committee Meeting in Zurich, November 2009**

### **Session Papers.**

It has been recognised that for some SCs it can be a problem all papers sponsored by National Committees have to be accepted, before other papers are considered. It has been decided to agree to set a maximum compulsory allotment for NCA session papers. The initial limit will be 10 per SC, the limit may be further reduced in future years.

### **TC Strategic Plan**

A summary of the Technical Committee Strategic Plan will be published in the first half of 2010

### **SC Strategic Plans.**

It is recommended that the SC SP be limited to 5 pages max, and that an Executive Summary of the Strategic Plan – of ½ to ¾ page be produced.

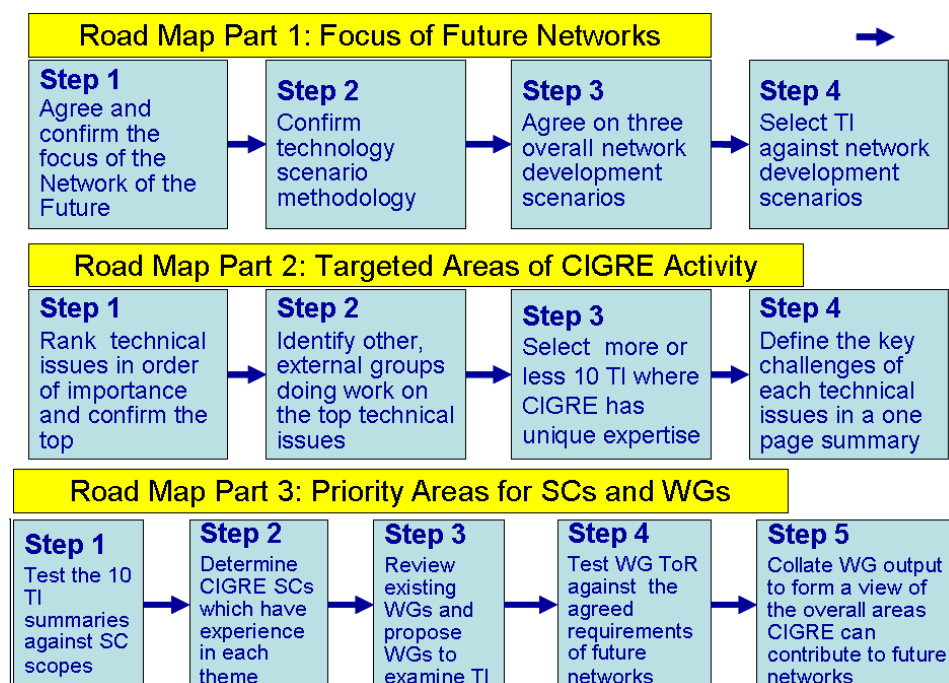
### **Younger Engineers and CIGRE**

The recruitment of younger people into CIGRE was discussed, the UK Power Academy being mentioned, as well as the similar scheme in Australia. It was suggested that WG members should be

encouraged to set up a liaison group of younger members from industry and universities, who could then contribute to WG activities via the formal member. Need to work out how the contribution from these younger members could be acknowledged.

### Network of the Future

The development of roadmap of the “The Network of the Future” TC Project was presented by Angelo Invernizzi, the road map is shown below:



The contribution of the past Chairmen, Colin Ray, Marcio Szechtman and Angelo Invernizzi to the definition and foundation work for this project was acknowledged, and the project has now been handed over to the current Chairmen of B4, B5, C3, C1, C4, C6 and D2. C6 will chair this task force.

It has been clarified that the project shall deal with all voltage levels from HV to LV, i.e. from Transmission to Distribution, but CIGRE will not deal with the equipment on the load side of the network.

The first activity for the Task Force is to provide a more detailed proposed activity plan for discussion at the next TC meeting, which will be held in Slovenia in April 2010. The challenge is to arrive at Part 3, Task 3 in time for the next TC meeting. A meeting will be held in Athens in January 2010, where each TF member is expected to provide input to Part 2, Step 3. At the next TC meeting formation of WGs contributing to the TC project will be discussed. The expectation would be to present a complete and agreed plan at the CIGRE Symposium to be held in Bologna in 2011. This plan would include defined scopes of WGs to be established within SCs as well as JWGs, where this is considered to be necessary.

### Energy Efficiency TC Project

Antonio Negri (C3) gave a presentation of the work led by him and Phil Southwell (C1), and this was followed by discussion concerning the issues that CIGRE should tackle. One issue is that when large amounts of renewable/intermittent power has to be transported in the network, the power losses in the network may dramatically increase, because the network is used in a sub-optimum way. It was suggested that CIGRE should look at the minimum cost of reducing the power loss for different operating scenario, this could be done by setting up a benchmark network and analyse the impact that renewable sources have on the power flows and the network power losses. The SC chairmen are to send further suggestion to the TF leaders.

### SC Boundaries.



The C group SCs discussed the overlaps between their scope of work. The main issue seemed to be between C1 and C4. It was concluded that C1 should focus on studies using conventional tools relating to network operation and technical performance, and that C4 should focus on special studies, EMTP studies, insulation co-ordination and power quality etc. Revisions to the scopes of C1 and C4 are to be drafted. Similar overlaps between C1 and C2 in respect of studies would also be resolved based on timescale differentiation, C2 to focus on the short term (minutes to a year maintenance).

### **2011 Symposia**

A major CIGRE symposium will be held in Bologna in September 2011. The organising committee will consist of C1, C2, C4, C6, B4, B5. The working title for the symposium is: The Electric Power System of the Future – Integrating Super Grids and Micro Grids.

### **Benefits of belonging to CIGRE**

Each SC is requested to supply specific examples of how members (individuals and corporate) have gained benefits from the work done by CIGRE, e.g. personal development, as well as the value of the TBs etc produced by the CIGRE Working Bodies. Quantifications should be provided wherever possible.

Next TC Meeting to be held in Bled, 20-24<sup>th</sup> April, 2010

2011 TC Meeting Rio de Janeiro Symposium 6<sup>th</sup> & 7<sup>th</sup> April –TC meeting the week before - dates to be fixed. (SC meeting on the 4<sup>th</sup> and 5<sup>th</sup>).

Circulate the Spec for the TB summary to be published in Electra to the WG convenors.

Bjarne Andersen, Chairman SC B4 HVDC & Power Electronics  
12<sup>th</sup> November 2009

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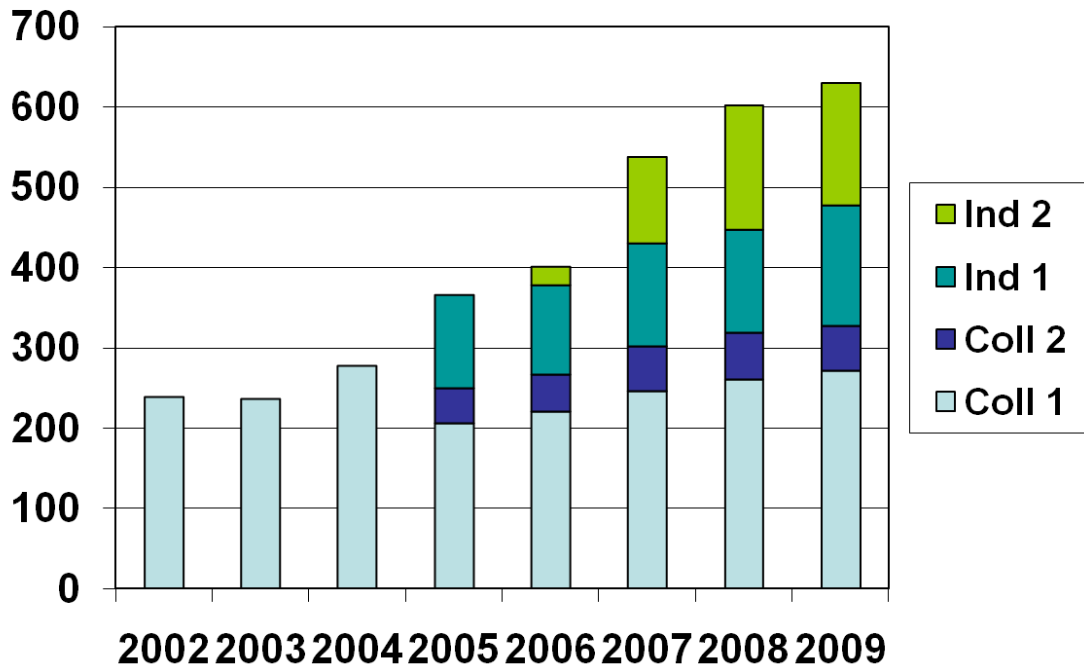
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## **CIGRE-UK Regular Members**

Study Committee	Regular Member 2008 - 2010	Nominated Regular Members 2010 - 2012
A1	Neil Connolly	<b>Neil Connolly</b> Scottish & Southern <a href="mailto:neil.connolly@scottish-southern.co.uk">neil.connolly@scottish-southern.co.uk</a>
A2	Paul Jarman	<b>Paul Jarman</b> National Grid <a href="mailto:paul.jarman@uk.ngrid.com">paul.jarman@uk.ngrid.com</a>
A3	Peter Ozers <a href="mailto:peter.ozers@siemens.com">peter.ozers@siemens.com</a>	<b>Leslie Falkingham</b> Vacuum Interrupters Ltd <a href="mailto:Falkingham@vil.org.uk">Falkingham@vil.org.uk</a>
B1	Julian Head	<b>Julian Head</b> Prysmian <a href="mailto:julian.head@prysmian.com">julian.head@prysmian.com</a>
B2	Simon Neve	<b>Simon Neve</b> Balfour Beatty <a href="mailto:simon.neve@bbusl.com">simon.neve@bbusl.com</a>
B3	Paul Coventry <a href="mailto:paul.coventry@uk.ngrid.com">paul.coventry@uk.ngrid.com</a>	<b>Paul Fletcher</b> Mott MacDonald <a href="mailto:paul.fletcher@mottmac.com">paul.fletcher@mottmac.com</a>
B4	Norman MacLeod	<b>Norman MacLeod</b> Areva t&d <a href="mailto:norman.macleod@areva-td.com">norman.macleod@areva-td.com</a>
B5	Richard Adams	<b>Richard Adams</b> PB Power <a href="mailto:adamsRi@pbworld.com">adamsRi@pbworld.com</a>
C1	Leslie Bryans <a href="mailto:leslie.bryans@nie.co.uk">leslie.bryans@nie.co.uk</a>	<b>Edgar Goddard</b> National Grid <a href="mailto:edgar.goddard@uk.ngrid.com">edgar.goddard@uk.ngrid.com</a>
C2	Ian Welch	<b>Ian Welch</b> National Grid <a href="mailto:ian.welch@uk.ngrid.com">ian.welch@uk.ngrid.com</a>
C3	Ian Glover	<b>Ian Glover</b> National Grid <a href="mailto:ian.glover@uk.ngrid.com">ian.glover@uk.ngrid.com</a>
C4	Zia Emin	<b>Zia Emin</b> National Grid <a href="mailto:zia.emin@uk.ngrid.com">zia.emin@uk.ngrid.com</a>
C5	Lewis Dale <a href="mailto:lewis.dale@uk.ngrid.com">lewis.dale@uk.ngrid.com</a>	<b>Min Zhu</b> Ofgem <a href="mailto:Min.Zhu@ofgem.gov.uk">Min.Zhu@ofgem.gov.uk</a>
C6	Nick Jenkins <a href="mailto:jenkinsN6@cardiff.ac.uk">jenkinsN6@cardiff.ac.uk</a>	<b>Goran Strbac</b> Imperial College <a href="mailto:g.strbac@imperial.ac.uk">g.strbac@imperial.ac.uk</a>
D1	Gordan Wilson	<b>Gordan Wilson</b> National Grid <a href="mailto:gordon.wilson@uk.ngrid.com">gordon.wilson@uk.ngrid.com</a>
D2	Philip Johnson	<b>Philip Johnson</b> National Grid <a href="mailto:philip.johnson@uk.ngrid.com">philip.johnson@uk.ngrid.com</a>



**Development of CIGRE UK Membership**  
 (2002 to 2004 figures not broken down)