AUSTRALIAN NATIONAL COMMITTEE of CIGRE LTD

NEWSLETTER

July 2008

ANC Annual General Meeting 2008

The Annual General Meeting of ANC-Cigre Ltd will be held on Friday 14 November at the Novotel Hotel, Sydney Olympic Park, and is being hosted by TransGrid, EnergyAustralia and Integral Energy.
The program for the meeting is:
Thursday 13 November
6:30pm – 8:30pm - Welcome Reception

Friday 14 November
8:30am – 5:00pm ANC Cigre Meeting
9:00am – 1:30pm Partner Program
6:00pm – Dinner

Saturday 15 November
9:00am – 1:30pm Technical Tour – "Powering a Modern City"

The Australian Technical Committee will meet in the afternoon, Thursday 13 November.
The terms of a number of directors will expire at this meeting, and a call for nominations will be issued shortly to fill the vacancies.

Members will shortly receive their invitation and registration form for the meeting.

ANC and Sir William Tyree 2008 Scholarships

The Board and Tycan Australia are pleased to announce that the scholarships were awarded to Mr Tilman Weiers, Areva T&D Aust Ltd (ANC Scholarship), and Mr Paul Blue Transpower NZ (Sir William Tyree Scholarship).

ANC extends its congratulations to Paul and Tilman on winning the scholarships.

Both scholarship holders will be attending the 2008 CIGRE Session.

2008 CIGRE Session

CIGRE's most important technical event, the biennial General Session is being held from 24 to 29 August 2008.
It will cover two Panel topics, and 16 Technical Discussion Meetings. The two Panel topics are:

- Effect of Sustainability Criteria and of Carbon Reduction Targets on the Operation and Development of Electric Power Systems", and
- Large Disturbances.

These will be followed by four days of specialised technical discussion meetings around the preferential subjects selected by each of the 16 Study Committees in 2007.

ANC members were successful in having 12 technical papers accepted for the preferential topics to be discussed. The Conveners and their panel members have been preparing for the discussions with contributions to questions formulated in the Special Reports.

The technical discussion meetings are open to all registered delegates for the Session, and delegates may contribute to the discussions through prepared or spontaneous contributions to the questions.

In addition to the specialised technical discussion meetings, Australian Panel Conveners will also be attending the CIGRE international Study Committee meetings which are being held during the Session.

CIGRE Steering Committee Meeting

The ANC had the pleasure of hosting the CIGRE Steering Committee in Hobart on 1 May 2008. The Steering Committee organises and manages the activities of CIGRE between Administrative Council meetings. Its members are elected by the Administrative Council from members within the Council.

As the ANC Board was also meeting in Hobart at the time, the Board invited the Steering Committee Executive to meet ANC directors. The meeting provided both parties the opportunity to hear and discuss each others operations, experiences and future directions.

Mr Yves Filion, President of CIGRE, said that meetings between National Committees and the Steering Committee were important means of sharing of practices and experiences. He went on to say that the role of CIGRE was becoming more important and growing with increasing membership and the technical activities that were being undertaken as a result of this.

He added that the work being done by ANC and its members on Study Committees and Working Groups was important and noticeable. This, together with a Treasurer and Past President on the Steering Committee, meant that ANC had a strong and highly valued voice in CIGRE.

He concluded by thanking the ANC for inviting and hosting the Steering Committee Meeting in Hobart, and for the opportunity for the Steering Committee Executive to meet with the ANC Board.

The CIGRE Technical Committee Chairman Mr Klaus Fröhlich provided directors with a briefing on the CIGRE Technical Committee. He explained that CIGRE was facing a number of diverse challenges including Third World electrification, Climate Change, Wind power/Photo-Voltaic and other forms of intermittent power, Undergrounding of Lines, and Electric Storage, and it has to show a transition path to future power systems.

To meet these challenges the Technical Committee in late 2007 held a session to determine its future direction. The session resulted in five strategic directions being identified:

- Customer Energy Demand;
- Environmental Challenges;
- Rules and Targets;
- New Technologies, and
- Development and Operation of Electrical Power Systems, including
  - Considering the whole system in all future work;
  - Identifying the need for new technologies, and
  - Analysing the implications of new generating technologies.

In addition, the internal processes of the Technical Committee were reviewed with the following outcomes:

- Increase involvement of younger engineers;
- Increase CIGRE's visibility through its excellent publications;
- Improve dissemination of knowledge by enhancing tutorial activity;
- Development of Technical Committee Strategic Plan as a guideline for Study Committees;
- Careful selection of Preferential Subjects for CIGRE Sessions;
- Selection of SC Chairmen, and
- High flexibility of temporary Working Groups

Dealing with wide interdisciplinary topics was also identified as of utmost importance, and the way this would be done was still under discussion, but it was foreshadowed that joint Task Forces and Joint Working Groups will disappear to be replaced with a more efficient flexible structure.
At the present time CIGRE had 172 active Working Groups and these publish some 70 publications each year through ELECTRA, CIGRE Symposiums and other events.

Appointment of AP Convener as Chairman of Study Committee

Mr Phil Southwell, (Western Power) has been appointed by CIGRE as Chairman of Study Committee C1-System Development and Economics. Phil, who was until recently Convener of Australian Panel C1, is only the second ANC member to be appointed to such a position, the first being Mr Graham Vincent who was Chairman of CIGRE's Study Committee 35 (Power System Communications and Tele-control) from 1992 to 2000. As a result of this appointment Phil also becomes a member of the CIGRE Technical Committee.
Congratulations and best wishes are extended by the Board to Phil on his appointment to these important CIGRE technical bodies.

Australian Panel Conveners accepted as Study Committee Members

Following the nomination by ANC-Cigre five new Australian Panel Conveners have been accepted by CIGRE's Technical Committee as ANC members on CIGRE's international Study Committees. In addition four existing members have had their terms extended.

The five new members are:

Mr Ankur Maheshwari	SC A3 (High Voltage Equipment)
Mr Terry Krieg	SC B3 (Substations)
Mr David Bones	SC C1 (System Development & Economics)
Mr Robert Adams	SC C4 (System Technical Performance)
Mr Robert Evans	SC D2 (Information Systems & Telecommunications)

Members whose terms have been extended are:

Mr John Linton	SC A1 (Rotating Electrical Machines)
Mr Gary Brennan	SC B2 (Overhead Lines)
Mr Ken Brown	SC C2 (System Control & Operation)
Mr Alex Baitch	SC C6 (Distribution Systems & Dispersed Generation)

The ANC Board congratulates these Panel Conveners on their appointments and term renewals.

CIGRE Working Groups

CIGRE has advised that the following Working Groups have been approved by the Technical Committee and will shortly begin their work:

WG A1.01	Guide on Over-fluxing of Generators.
WG A1.02	Generator Stator Winding Stress Grading Coating Problems.
WG A1.05	Economic Evaluation of Generator Refurbishment/Replacement
WG A1.03	Guide on Generator/Power System Inter-relationship Issues.
WG A1.04	Generator Fire Protection.

WG A2.36	Guide for Transformer Procurement Process
WG A2.37	Transformer Reliability Survey
WG A2.38	Transformer Thermal Modelling
WG A3.24	Tools for Simulating Internal Arc & Current Withstand Testing.
WG A3.23	Application & Feasibility of Fault Current Limiters in Power Systems.
WG C3.09	(*Power Line*) Corridor Management
WG C3.08	Internalisation of External Costs for Power Lines

Members wishing to obtain further information on these or other working groups should contact the ANC-Cigre office.

ANC Activities

An introductory course on Measurement and Testing Methods for High Voltage Plant Condition Monitoring Assessment has been organised by AP D1 for 21 July 2008 in Sydney. Members wishing to obtain more information on this course should contact the ANC-Cigre office.

Study Committee A1 has accepted ANC-Cigre's invitation to hold its 2009 meeting in Australia in 2009. SC A1- Rotating Electrical Machines, activities cover economics, design, construction, test, behaviour and materials for turbine generators, hydro-generators, non-conventional machines, and large motors.

A number of the SC A1 Working Groups have also been invited to hold their meetings in Australia at the time of the SC meeting, and it is proposed to hold a colloquium involving the SC, WG and the Australian Panel A1

Planning has begun for this event which it is proposed to be held in Sydney.

AP B5 has begun planning for a seminar on System Protection and Automation to be held in Melbourne in March/April 2009. More information will be provided to members as planning progresses.

ANC Member to lead CIGRE Working Groups

The ANC Board has endorsed Mr Henry Hawes to lead the CIGRE Working Group B2.39–Validation of Design Guidelines Implemented for High Intensity Wind, to survey and review current and recent design practises and performance of overhead lines designed for high intensity winds, with the objective to produce a technical brochure on this subject. ANC is providing support to Henry to enable him to carry out this role on this important subject for the power industry.

Technical Committee Awards

CIGRE's Technical Committee announced that two ANC members have been recipients of its Technical Awards. They are Mr Arne Petersen (SC A2 Award), and Mr Ian Arnott (SC C2 Award)
Our congratulations to them on receiving these awards.

Seminars and Conferences

The year 2007/2008 was a busy period for Australian Panels with three seminars and one conference being successful organised and presented for the power industry in Australia and the region.
The Conveners, Australian Panels, and the seminars that they organised were:
Steven Jones AP A3 - Seminar on HV Circuit Breakers – Standards and Guidelines.

Gary Brennan AP B2 – Seminar on Management of Overhead Lines.

Arne Petersen AP A2 - Transformer Technology Conference on Fire Safety held as an adjunct to TechCon 2008.

Nalin Pahalawaththa and Phil Southwell AP B4/C1 – Reactive Power Support – Planning Design & Operation.

The expertise and details provided by presenters - a number of them from overseas - at these events proved a valuable asset in the delivery of quality seminars and conferences, all of which were highly successful. Many delegates voiced their appreciation for what they considered to have been extremely well organised, well run, highly relevant and high quality technical events.

The ANC Board records its gratitude and thanks to the AP Panel Conveners and their organising committees for planning and running such highly valued seminars and conferences.

ANC-Cigre Website

We are pleased to announce that the new website is now up and running. The Panel Conveners have been loading a great deal of new information onto the site for their panel members and it is proposed that the website will feature increasingly in their work and be a valuable aid in communication between them. It is also planned that the new website will be a valuable tool for communication with ANC members, and the promotion of ANC and its activities to the power industry in Australia, New Zealand, and the surrounding region.

Over the next few months the website will be further developed and finely tuned.

The ANC-Cigre website is at www.cigre.org.au

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