



WG A2.33 Transformer Fire Safety Practices

Progress Report –Aug. 2009

The Working Group was initiated as a result of the Cigre meeting in August 2006, and became operative in January 2007. Due to issue preliminary report end of 2009 and final report for Paris meeting 2010.

Membership

The initial membership of the group were mainly from transformer manufactures and lacked sufficient representation to with substation fire safety issues. The group has now been broadened with additional representation from electrical utilities to remedy this deficiency. The group now has a good presentation to address all the aspect required under its term of reference.

The group has 16 full active members (attend meetings) and 7 corresponding contributors. The latter group comprises members have actively contributed by correspondence or stated that they wish to contribute by correspondence or occasional attendance of meetings.

Full Active members

| | Name | Company | Country |
|----|--------------------------|-----------------------------|----------------|
| 1 | Arne Petersen (Convenor) | AP Consulting | Australia |
| 2 | Dayse Duarte | Federal University Brazil | Brasil |
| 3 | Elisa J, Figueroa | HydroOne | Canada |
| 4 | Guillaume Perigaud | Sergi | France |
| 5 | Hiroshi Murakami | Mitsubishi Electric | Japan |
| 6 | Kjell Carrander | ABB, Ludvika | Sweden |
| 7 | Kadowaki Makoto | Japan AE Power Systems | Japan |
| 8 | Marc Foata | Hydro-Québec-TransÉnergie | Quebec Canada |
| 9 | Rudy Blanc | RTE | France |
| 10 | Russell Martin | Midel Materials | U. Kingdom |
| 11 | Takayuki Kobayashi | Tokyo Electric Power Co. | Japan |
| 12 | Uwe Rimmele | Siemens | Germany |
| 13 | Yoshihito Ebisawa | Toshiba Corporation | Japan |
| 14 | Yukiyasu Shirasaka | Japan AE Power Systems Corp | Japan |
| 15 | Sidwell Mtetwa | Eskom | Sth Africa |
| 16 | Terence Lee | FM Global | USA |

Correspondance contributors

| | Name | Company | Country |
|---|----------------|------------------|----------------|
| 1 | Alain Tangey | EDF | France |
| 2 | Dennis Allen | Merlin Design | U. Kingdom |
| 3 | Ian Hunter | Scottish Power | U.K. |
| 4 | John Ainsworth | Energy Australia | Australia |
| 5 | Paul Jarman | Nat Grid | UK |



WG A2.33 Transformer Fire Safety Practices

Meetings

The group meets 2 times per year. It has held six (6) meetings to date at the following locations

| Meeting | Venue | Date |
|--------------------------------|-----------------------|-------------------|
| 1 | Archeres France | April 2007 |
| 2 | Bruges, Belgium | 6-7 October 2007 |
| 3 | Sydney in Australia | 27-28 March 2008 |
| 4 | Paris France | 28 Aug. 2008 |
| 5 | Tokyo | 28-26 March 2009 |
| 6 | Gordon Bay Sth Africa | 14-15 Aug 2009 |
| Planned Future meetings | | |
| 7 | To be advised | March –April 1010 |
| | | |

Progress to date

The work of the group centres around (1) the fire risk of transformers caused by transformer failures and (2) the fire risk this poses for other items of equipment and buildings in the substation (the fire victim).

The group has now collated significant amount of documentation on the issues related to the risk and nature of transformer fires and mitigation measures available to reduce the risk of such fires and mitigate the damage to the “fire victim“, should a fire occur.

The progress of work is at a stage where a significant amount of this information has been collated into the technical report which will be issued by WG 2.33. This document now needs to be substantially edited and reviewed to form a coherent and comprehensive whole addressing all the issues required in the ToR.

Task for Cape Town WG A2.33 meeting:

- Review the preliminary technical brochure
- Identify missing topics and allocate responsibilities for filling gaps.
- Form small review groups for specific sections
- Target – Preliminary report end of 2009. Final report by mid 2010.

Arne Petersen Convenor WG A2.33 10th August 2009