

Cigré Working Group A2-36 – Transformer Procurement Process

Progress Report July 2009

Prepared by Tom Breckenridge, Convenor

Summary

The working group was initiated following discussions at the joint A2/D1 Colloquium in Bruges during October 2007 and was given formal approval in January 2008.

Target Dates

The original plan was to report on all three work areas identified and complete the documents by the Paris session in 2010. However, as the preferential subjects for Paris 2010 includes procurement issues, the final reporting date has been deferred until February 2011 to allow any issues arising from the Paris session in 2010 to be addressed and included in the documents before final issue. However, the current intention is still that final drafts of all three documents will be available prior to the Paris Session in 2010.

Membership of WG A2-36

As of 1st July 2009, the group has 22 members and these are:

Name	Company	Country	Role
Tom Breckenridge	TB TCS Ltd	UK	Convener And TF1
Kjetil Ryen	Statnett	Norway	TF2 Leader
Antoine Manga	Hydro Quebec	Canada	TF3 Leader
Laurein Cornelissen	Elia Engineering	Belgium	TF1
Geoff Ebb	Transgrid	Australia	TF1
Marek Figura	PSE Operator S.A	Poland	TF1
Vladimir Podobnik	Koncar Power Transformers	Croatia	TF1
Ms Ren Xiaohong	Wuhan High Voltage Research Institute	China	TF1
Alberto Villarrubia Castellanos	Iberdrola Generation	Spain	TF1
Tim Gradnik	Elektroinstitut Milan Vidmar	Slovenia	TF2
Sam Hall	Power Transformers and Reactors	UK	TF2/TF3
John Lackey	PowerNex Associates Inc.	Canada	TF2
Miguel Oliva	ABB	Spain	TF2
Mohammed Zouiti	EDF	France	TF2
Nkosinathi Buthelezi	Eskom	South Africa	TF3
Thomas Fogelberg	ABB	Sweden	TF3
Erik de Groot	Smit Transformatoren	Netherlands	TF3
Mike Lamb	Dominion Technical Solutions	USA	TF3
Asgeir Mjelve	Hafslund Nett AS	Norway	TF3
Simon Ryder	Doble Power Test Ltd	UK/ Namibia	TF3
Craig Swinderman	Mitsubishi Electric Power Products Inc	USA	TF3
Jiri Velek	CEPS	Czech	TF3

Changes in the group since the progress report of July 2008 include 2 replacements for original members, 1 resignation from the group and 6 new members

The first formal meeting of the group took place during the Paris Session on 29th August 2008. At this meeting the structure of the group was agreed in terms of three task forces each with a clear objective.

The group was then split into separate groups as follows:

TF1 - Review of the Cigré Brochure number 156 – Guide for customer specifications for transformers 100 MVA and 123kV and above.

TF2 - Review of the Cigré Brochure number 204 – Guidelines for conducting design reviews for transformers 100 MVA and 123kV and above.

TF3 - Recommendations for a transformer manufacturer capability assessment guide.

Since the original meeting in Paris the whole working group has met twice. The first meeting was held in Bad Honnef, Germany in November 2008 and was attended by 13 members mainly from TF3.

The second meeting was held in Montreal in March 2009 and was attended by 16 members, again mainly from TF3.

In addition TF2 held a meeting in Paris in June 2009 to progress the specific work area of the task force. TF2 has intimated that they will meet again later in the year in Ljubljana.

It is intended to hold a TF3 meeting at the A2 Colloquium in South Africa in August 2009.

The status of the separate work areas are discussed separately.

Priority of the Work Streams

In terms of the importance of the three documents, based on the early work carried out by the group, it is clear that the work of TF3 is the most critical in that there is no support in this area currently existing. Consequently the work of TF3 has been given the highest priority.

Of the two existing documents, the WG considered the design review guide to be the weaker of the two and therefore the work of TF2 has been given the next highest priority.

The work of TF1, whilst being considered to be the lowest priority, is still important in that there are a number of areas in the existing specification guide where some work is required to update the document. However, the existing document is still

considered to be a good and useful document, which is why the lowest priority has been given to TF1.

TF1 Update

Progress on TF1 has been the slowest of all three task forces due to a number of reasons. Areas of concern in the existing guide have been identified and work to update the existing document will be carried out between September 2009 and March 2010.

TF2 Update

Work on updating the design review guide has progressed to a stage that a first draft of the new document should be available by the A2 Colloquium in South Africa. The task force has also arranged for a meeting to be held in Slovenia in September/October 2009 to progress the document further. Following limited circulation among the strategy group members for comment, the final draft of the new document will be published in time for Paris 2010.

TF3 Update

This is a new work area and was considered at the start of the WG that this would be the most difficult and contentious area. However, the response from the members of the TF has been remarkable such that a first draft of the new document was produced after the Montreal meeting in March. This document has been revised once since then and will be discussed at the TF meeting in Somerset West on August 19th 2009. Following limited circulation among the strategy group members for comment, the final draft of the new document will be published in time for Paris 2010.

Next Steps

It is intended to hold separate task force meetings as required in order to meet the requisite delivery dates between now and the end of 2009.

It is intended to hold a full group meeting either late in 2009 or early 2010 in Nijmegen, the Netherlands to bring all three TF's up to speed with all documents.

Further meetings may be required prior to Paris depending on overall progress and after the Paris session, depending on what issues arise from the preferential subject debates.

Tom Breckenridge

27th July 2009