

SC C6, "Distribution Systems and Dispersed Generation"

Activity Report (April 2003)

Highlights

Since the start (Paris, August 2002) the new SC C6 is mostly undertaking those actions aimed to identify strategies and future activities, to create and organise the working forces, to promote the name of the new SC within and out of CIGRE by participating to CIGRE events and establishing links with other bodies active in the fields of the SC.

SC working groups and task forces

The two WGs previously existing 37.33 (*Development of DG technologies and consequences on the power system*) and 37.34 (*Connection of generators and customers*) were integrated in the new SC as WGs C6.01 and C6.02, without significantly changing their work program.

Three additional WGs (C6.03, "*Operating DG with ICT*", C6.04, "*Connection and protection practices of DG*", C6.05, "*Technical and economic impact of DG on T&G systems*") were created and approved by the TC; within the WG C6.04 two TFs are also created, dealing the first with the connection criteria and the second with techniques for analysis and design of DG systems.

The preparation of the ToRs of two other WGs is now in progress respectively dealing with the economic benefits of storage and with rural electrification. The last one proposal will be soon presented to the TC for approval.

The Advisory Strategic Group AG C6.01 was also created; the group is aimed to assist the SC Chairman to perform the mission and to pursue the assigned scope.

Joint working groups and task forces

The SC is not now involved in joint WGs and TFs.

SC publications

WG C6.01 will complete the final report by June 2003. The report should be ready for publication by the end of this year.

SC website

The SC did not yet prepare its website, being waiting for the conclusions (expected for April 2003) of the group charged by the CIGRE Secretary General to develop guidelines. The development of the SC website is planned by the end of the year.

SC Strategic Plan and Action Plan

The preparation of the SC Strategic Plan started with a very alive discussion that involved all the members during the first SC meeting (Aug. 2002 in Paris) above scope and mission; the first draft of the plan was then prepared during the first meeting of the Strategic Advisory Group (Feb. 2003); finally the draft was circulated and the collected remarks integrated in the text. The plan, that is now available, indicates the main targets to fulfil the mission and scope of the SC, as well as the short and long term actions to be undertaken.

The relevant Action Plan is mostly focused on the establishment of the SC working forces and in the further investigation and deepening of the SC strategies. As regards this last point the main action is the organisation, during the 2003 SC meeting, of a workshop, on “Strategies of DG concept application” aimed to identify future activities of the SC in assessing impact (and requirements) on structure and operation of the power system of a widespread adoption of Dispersed Generation.

SC meetings

The 2003 SC meeting will be hold in Montreal, Oct. 6 and 7.

As regards the 2005 meeting the SC received so far a formal invitation from the Greek National Committee and a preliminary invitation from the South African Committee. A final decision will be taken during the Montreal meeting

SC participation to Regional Meetings and Symposia

The SC is contributing and supporting the CIGRE/IEEE-PES Symposium on “Quality and security of electric power delivery systems”, Montreal Oct. 7-10, 2003.

It is now under discussion the possible contribution/organisation of a Symposium/Regional Meeting in conjunction of the 2005 SC meeting and depending on the selected location (Greece or South Africa)

Relations with other organisation

Under the umbrella of MoU already agreed, the link with EURELECTRIC and CIRED are well established through the action of the Chairman and of some members who are also active in the two associations; an adequate link will be also assured with IEEE Committees and WGs active on topics of interest of the SC by the action of the USA member.

The Chairman and other members are also involved in a number of international projects (mostly EC funded); CIGRE was recently asked to be member of the Advisory Committees of two new Projects proposed for the 6th EC FP.