



## IEEE POWER ENGINEERING SOCIETY / SUBSTATIONS COMMITTEE

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May 19, 2002  
Power Engineering Society  
Data Acquisition, Processing and Control Systems  
Subcommittee (C0) Activity Report  
Annual Meeting April 28 - May 1, 2002

All three of the Substations Committee, Data Acquisition, Processing and Control Systems Subcommittee (C0) Working Groups held meetings as well as the three Task Forces and the Subcommittee (C0) at the Annual Meeting April 28 - May 1, 2002 in Dearborn, Michigan. Three work sessions were also held.

### C0 - Data Acquisition, Processing and Control Systems Subcommittee Meeting

The Subcommittee held its general meeting on Wednesday, May 1. The meeting agenda included liaison reports from PSRC, Cegre and IEC TC-57. A discussion on protective tagging was led by DTE Energy Tagging Director, Jerry Lipa. The Chair reviewed items from the Administrative Committee Meeting.

### Working Group C1 - Application of Computer Aided Systems to Substations

About 20 attended the C1 meeting.

Lee Ayers of OS/soft gave a presentation on using a Data Historian in SCADA applications.

The Working Group entertained a discussion on DoSDI and the response from Wolfgang Wimmer regarding the work on 61850. Based on the response, and after further discussion, C1 will be sending a letter to the SPAG advising them of our effort and solicit any input/contributions they would like to make. We will review their response in Chicago and determine how we intend to proceed.



### Working Group C2 - Applications of New Technologies in Substation Monitoring and Control

Working Group C2 met with about 25 attendees.

The survey task taken by C2 was reviewed. The initial question raised was: What is the purpose? The response was that the results can be applied toward a Working Group Report or Panel Session

Liaison Reports were provide for:

PSRC H Activities: John Tengdin

CIGRE: Dennis Holstein

Transformer Committee: Brian Sparling:

Communications Protocol SCC-36: John Tengdin

Liaison Report IEC TC 57

Working Groups 10, 11, 12: Lee Smith

TASE.2: Brent Brobak

Liaison Report DNP Users Group: Ron Farquharson, Lee Smith

Power Systems Communications Committee: Dan Nordell

Several topics were discussed and generally addressed. Please refer to the C2 Panel List.

Mason Clark is to contact Greg Robinson regarding the panel session:

*The Integration of Real-time Data in Corporate Enterprises (How to Handle Real Time Information)*

Substation Automation Systems”: Tutorial Mike Dood. The tutorial is still on track for completing the book by our September meeting. It will then be sent to both the Substation Committee and the PSRC for approval. The plan is to present it in Toronto in July of 2003.

A presentation was provided by Paul Blomgren, Manager Sales Engineering at Mykotronx (A Rainbow Technologies Company), presented SCADA Security. A converted copy of the presentation is attached as a Word Document “SCADA Security Policy Overview”.

Discussions took place regarding Task Force 3 that was disbanded. Questions regarding the location of material that was generated were raised. It was decided to *write of as a loss*, due to the lack of interest and the fact that the material may be outdated, no future .

Sam Sciacca suggested that the group reevaluate Select Before Operate (SBO) in relation to today’s applications. This applies to IED interface protocols and multi-ported devices where in some cases the control functions resides in software. It was pointed out the C37.1 addressed SBO and is in the outline for revision. Sam will investigate this further and provide a report at the Summer Meeting.

#### Task Force C2TF1 - Network Communications Between Intelligent Substation Devices

C2TF1 spent two hours reviewing the present draft of P1613. A number of open issues were resolved

#### Task force C2TF2 - The Use of Computer Technology In Substation Data Acquisition and Control

There were no presentations during the meeting. Time was allocated to C2 Task Force One work on P-1630.

#### Task Force C2TF4 - Communications Between Intelligent Substation Devices

Twenty-five members and guests attended this meeting.

C2TF4 members and guests completed review of IEEE P1525 (Draft 5) to prepare for re-circulation. Recommended changes have been incorporated in Draft 5. P1525's Ballot Response Committee (BRC) is in the final review stage of Draft 5. Last minute BRC recommendations will be incorporated into Draft 5 for re-circulation. BRC members are now updating the ballot comment response table to incorporate all responses to ballot's comments. This table will also be included with Draft 5 for re-circulation.

Re-circulation of IEEE P1525 (Draft 5) is planned for the September 2002. Vote tabulation and comments received from re-circulation should be available for review at C2TF4's meeting in January 2003.

#### Working Group C3 - Electric Network Control System Standards

Working Group C3 had a very productive work session on updating C37.1 with the result that we now have a clean outline that all can work to. New sections are due by June 30 so they can be reviewed prior to the Summer Power Meeting.

#### Task Force C3TF1

New Task Force, C3TF1, met in a work session on Thursday, May 2, Mike Thesing did an excellent job in leading the task force in the creation of a detailed outline for P1615. Writing assignments will follow. The PAR is on the Standards Board agenda for their June meeting.

#### Work Sessions

Work sessions were held for three ongoing projects. These include: the Substation Automation Tutorial, Chaired by Mike Dood, P1525 Chaired by Dennis Holstein, and C37.1 Re-Write chaired by John Tengdin. The work sessions were very productive and well attended.

Respectfully Submitted

James. W. Evans

Chair Data - Acquisition, Processing and Control Systems Subcommittee