



# IEEE Std P1525 Development

April 30, 2002 from 1300 - 1700: C2TF4 Meeting

May 2, 2002 from 1100 - 1215: P1525 BRC Meeting

Detroit, MI

Substations Committee Annual Meeting – C2TF4

**Chair:** Dennis Holstein

**Vice-Chair:** John Tengdin

**Secretary:** Lee Smith

P1525 is an IEEE approved project to develop a Standard for Substation Integrated Protection, Control and Data Acquisition Communications. The scope of the project is to define standard communication requirements, specify message delivery time between intelligent electronic devices and specify Abstract Syntax Notation (ASN.1) data structures of information to be exchanged.

## ----- Agenda Topics -----

Introductions/Sign in & Admin Remarks	Holstein	5
Acceptance of Agenda	Holstein	5
Acceptance of Minutes from Last Meeting	Smith	5
Action Item Status Report	Smith	5
Liaison report on AGA/GTI SCADA Security	Holstein	5
Status report: Resolution of ballot comments	Holstein	10
Discussion: Proposal to change P1525 title, and to breakout P1525 build-out specification into “.” Extensions to 1525. See attached note for proposal discussion	Holstein	15
Discussion: P1525 Markup related to scope change, normative references, and functional/performance requirements. See Draft 5, which can be downloaded from our web site: <a href="http://grouper.ieee.org/groups/1525/Private/">http://grouper.ieee.org/groups/1525/Private/</a>	Holstein	45
Review Action Items from this meeting	Smith	5
New Business and Next Steps	Members	10
<b>Break</b>		<b>10</b>
P1525 Annex E Development (ASN.1 details)	Scott	120

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## Other Information

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### EMAIL Exploder

To subscribe: Send message to [majordomo@majordomo.ieee.org](mailto:majordomo@majordomo.ieee.org), in the subject type: subscribe, and in the body type: SUBSCRIBE p1525. Successful subscription will return a notification describing all options for subscribing and unsubscribing, who is on the list, and retrieving the general information about 1525. If you have problems send an EMAIL to [holsteindk@aol.com](mailto:holsteindk@aol.com), then I will place you on the list.

To send a message: Send to [p1525@majordomo.ieee.org](mailto:p1525@majordomo.ieee.org) the message will be sent to all subscribers.

### P1525 Web Site

Use the IEEE Standards Working Group Area:

<http://grouper.ieee.org/groups/>, selects the hot link to web site, and then select index of groups – 1525.

Or, for direct connection use:

<http://grouper.ieee.org/groups/1525/>.

Access to the private area requires password. You must be a member of the P1525 development team to get the password. If you are a member, request the password from Dennis Holstein.

To place a document on the web site, follow this instruction:

You cannot upload a document directly. Send your file to [holsteindk@aol.com](mailto:holsteindk@aol.com) and I will upload the document to the folder and update the document list. You should send an announcement message to [p1525@majordomo.ieee.org](mailto:p1525@majordomo.ieee.org) to notify the subscribers that your document is on the web site.

### Current Web folders

**Correspondence** contains general correspondence regarding the business of P1525 activity

**Meetings** contains information regarding each meeting including agenda, minutes and attendees at the meeting

**Private (requires password)** contains the editor's draft version of Std 1525 submitted to the IEEE Standards Association (SA) for ballot. Only voting members of P1525 have access to this folder.

UserID:       wg1525

Password:     sipcdata

## **Ballot Resolution Committee**

BRC members: William Ackerman, Robert Corlew, Gary Engmann, Dennis Holstein, Peter Raschio, Bancroft Scott, Lee Smith, John Tengdin.

Pursuant to IEEE SA instructions C2TF4's Ballot Resolution Committee (BRC) is responsible for resolving all ballot comments. The BRC is comprised of four subgroups:

1. Communication functional and performance requirements derived from power system applications.

Leader: John Tengdin

2. PSOM and CSOM modeling specifications in Annex B and Annex C.

Leader: Dennis Holstein

3. ASN.1 specifications in Annex E

Leader: Bancroft Scott

4. Issues related to PAR Scope and IEEE procedure

Leader: Gary Engmann & Lee Smith

## **Critical ballot issues – the first order of business**

Detailed comments will be addressed in the following order:

1. Coordination comments received from the IEEE Editor
2. Approve ballot comments by alphabetic order of the balloter's last name
3. Disapprove ballot comments by alphabetic order of the balloter's last name

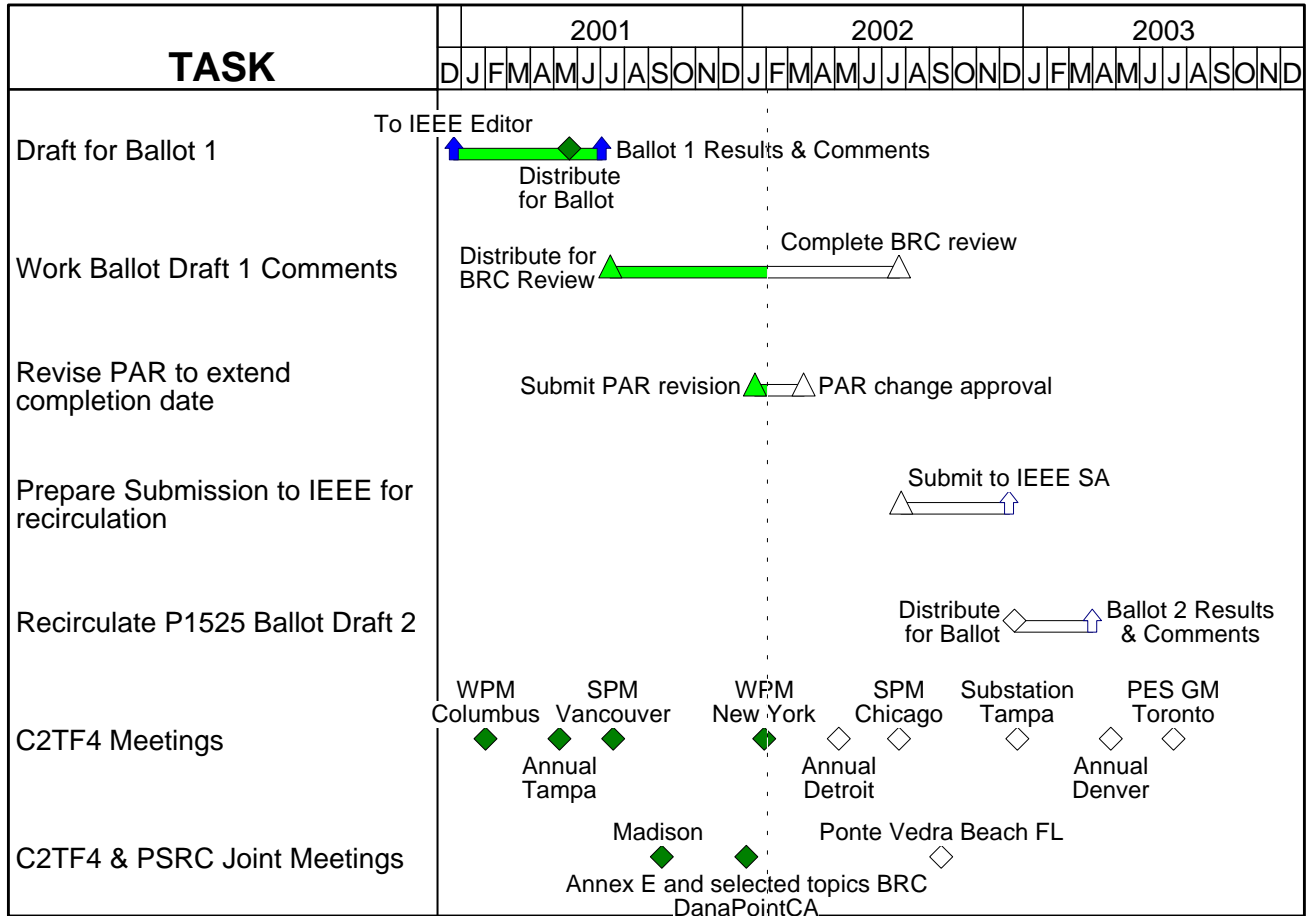
## **Project Schedule to resolve ballot comments**

An updated project schedule is included in this announcement. The schedule is revised to reflect the comments received with the first ballot responses.

# Substation Committee: P1525 Ballot Comments Resolution Plan

Standard for Substation Integrated Protection, Control and Data Acquisition Communications

2/2/02



## **Proposal to change P1525 title, and to breakout P1525 build-out specification into “.” extensions to 1525**

The purpose of this note is to describe the current situation for resolving comments received from the first ballot of P1525, and to recommend specific actions to resolve these comments.

### ***Ballot results***

Closing date: 2001-07-02

1. This ballot has met the 75% returned ballot requirement.

92 eligible people in this ballot group  
52 affirmative votes  
20 negative votes  
10 abstention votes

=====

82 votes received = 89% returned  
12% abstention

2. The 75% affirmation requirement is not being met.

52 affirmative votes  
20 negative votes

=====

72 votes = 72% affirmative

### ***Situation assessment and consideration of specific actions***

The first ballot failed to achieve 75% affirmative vote. If 2 negative votes can be changed to affirmative votes, then P1525 would meet the 75% affirmation requirement.

508 comments were received from those participating in the first ballot. These comments are being worked by the Ballot Resolution Committee (BRC), which was described earlier. Working off 508 comments is a major effort by volunteers.

C2TF4 members and guests were polled to determine if they favored changing the title of P1525 to a “Trial Use Standard.” In general the members favored this change.

Another approach discussed between several members of C2TF4, the chairman of C0, and Gary Engmann (past Substations Committee Standards Coordinator) was to remove several controversial clauses that described build-out specifications, and restrict P1525 to a specification of functional and performance requirements only. The build-out specifications would then be developed under separate PARs as “.” extensions to IEEE 1525. Under this approach, the document series could be developed as:

IEEE 1525: Standard Functional and Performance Requirements for Substation Integrated Protection, Control and Data Acquisition Communications

IEEE 1525.1: Standard for Deploying Communications Security in a Substation Integrated Protection, Control and Data Acquisition System

IEEE 1525.2: Standard for Deploying Multicast Communications in a Substation Integrated Protection, Control and Data Acquisition System

IEEE 1525.3: Standard Data Model for Substation Integrated Protection, Control and Data Acquisition Communications

All of the above documents could be “Trial Use Standards”, or continued as full standards. This decision will be made after C2TF4 members have an opportunity to consider these changes and discuss their merits.

The goal of this approach is to satisfy many of the comments that recommended that P1525 be limited in scope to functional and performance requirements.

### ***Conversations with Naeem Ahmad, IEEE SA Office and Gary Engmann***

To expedite this process, the Dennis Holstein (C2TF4 chairman) called Naeem Ahmad, IEEE SA Office, to determine what procedure must be followed for the actions described above. Naeem made two important points:

1. Once the balloting begins, the process is continuous in terms that only those parts of the standard that need to be changed in response to a negative ballot are under consideration for recirculation.
2. If the scope of the document is changed, then the PAR must be withdrawn and the process must start from the beginning. Thus strictly speaking, the proposal stated above would require that the current PAR be withdrawn and a new project under a new PAR be initiated.

Dennis Holstein then called Gary Engmann who is the past Substations Committee Standards Coordinator, and is presently a member of the IEEE Standards Board, to solicit his recommendation. Gary agreed that Naeem had correctly stated the position, but he recommended that we proceed with a change in title to "Trial Use Standard" and to remove those parts of P1525 that were the subject of the negative ballot. These changes would be a direct response to the negative ballot comments. If recirculation were successful in terms that it meets the 75% requirement, then what remains in P1525 would go to RevCom for approval. At RevCom the argument would have to be made that we made the changes in response to the negative ballot, and therefore we did not have to start the process over again. RevCom would have the final say in terms of approving the action, or disapproving the action and sending P1525 back to the Substations Committee.