



## NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731

### Phase III & IV Planning Standards Drafting Team Meeting

Tuesday, June 28 — 8 a.m.–6 p.m.  
Wednesday, June 29, 2005 — 8 a.m.–6 p.m.  
Thursday, June 30, 2005 — 8 a.m.–4 p.m.

Hyatt Regency Baltimore on the Inner Harbor  
300 Light Street  
Baltimore, MD  
410-528-1234

### Agenda

1. Introductions & Antitrust (**Attachment 1 — Drafting Team Roster**). Names and contact information for the registered guests will be sent separately.
2. Prioritized Meeting Goals (**Attachment 2 — Team Assignments**)
  - Complete at least a rough draft of the drafting team's responses to the specific comments submitted on each standard. Download the zip files from the following site:  
<http://www.nerc.com/~filez/standards/Phase-III-IV-RF.html>
  - Complete a 'Red Line' version of each standard that will move forward for ballot using 'track changes' to record all changes. Download the zip file from the following site:
  - Complete a draft action plan for each standard (**Attachment 3 – Action Plan Format**)
  - Draft responses to the comments submitted on the three proposed definitions
  - Draft responses to the comments submitted on the standards suggested for deletion
  - Draft responses to the general comments on items such as numbering, format, etc.
    - NERC staff may draft responses to these for the drafting team

A New Jersey Nonprofit Corporation

Phone 609-452-8060 ■ Fax 609-452-9550 ■ URL [www.nerc.com](http://www.nerc.com)

3. Walk Through at Least One Set of Comments on a Standard to Gain Practice in Developing Appropriate Responses and in Making Conforming Changes to Standards:
  - With all drafting team members together, review the comments submitted on a standard — draft responses; modify the standard using track changes; draft action plan
  - Discuss the process of reviewing comments and drafting responses and identify any issues needing clarification
4. Subdivide into Subteams for Assignments (**Attachment 4 — Subteam Guidelines**)
  - Work through assignments according to the daily schedule.

## Phase III & IV Drafting Team Agenda for June 28-30, 2005 Meeting

<b>Daily Schedule:</b>			
	<b>Wed</b>	<b>Th</b>	<b>Fri</b>
800 – 1000	Team & guests assemble in large room for kickoff meeting	Assemble in large room and review work from prior day	Assemble in large room and review work from prior day
1000 – 1015	Break		
1015 – 1200	Subteams meet in breakout rooms		
1200 – 1300	Lunch		
1300 – 1500	Subteams meet in breakout rooms		
1500 – 1515	Break		
1515 – 1700	Subteams meet in breakout rooms – towards end of day review work and distribute draft files to all drafting participants	Subteams meet in breakout rooms – towards end of day review work and distribute draft files to all drafting participants	Team & guests assemble in large room to review progress & identify action items Adjourn at 1600
1700 - 1800	Work Individually to Review Work Done by Other Teams	Work Individually to Review Work Done by Other Teams	

JUNE 2005

## PHASE III-IV PLANNING STANDARDS DRAFTING TEAM ROSTER

Email Address: [phaseiii-ivplngsdt@nerc.com](mailto:phaseiii-ivplngsdt@nerc.com)

Robert Millard Chairman	MAIN Compliance Staff 939 Parkview Blvd. Lombard, Illinois	Ph: 630-261-2621 Fx: 630-691-4222 Em: <a href="mailto:rwm@maininc.org">rwm@maininc.org</a>
William Bojorquez	ERCOT 2705 West Lake Drive Taylor, Texas 76574	Ph: 512-248-3036 Fx: 512-248-6560 Em: <a href="mailto:bbojorquez@ercot.com">bbojorquez@ercot.com</a>
Franklin Bristol	American Transmission Company, LLC P.O. Box 47 Waukesha, Wisconsin 53187-0047	Ph: 262-506-6152 Fx: Em: <a href="mailto:fbristol@atcllc.com">fbristol@atcllc.com</a>
W. Mark Carpenter	TXU Electric Delivery 115 West 7 <sup>th</sup> Fort Worth, TX 76102	Ph: 817-215-6868 Fx: 817-215-6889 Em: <a href="mailto:mcampen1@txued.com">mcampen1@txued.com</a>
James Detweiler	FirstEnergy Corp. 76 South Main Street Akron, Ohio 44308	Ph: 330-761-7797 Fx: 330-384-5349 Em: <a href="mailto:jrdetweiler@firstenergycorp.com">jrdetweiler@firstenergycorp.com</a>
Prabhu Gnanam	American Transmission Company, LLC P.O. Box 47 Waukesha, Wisconsin 53187-0047	Ph: 608-877-7662 Fx: Em: <a href="mailto:pgnanam@atcllc.com">pgnanam@atcllc.com</a>
Roger Green	Southern Company Services Technical Services Elec. & Controls Bin B425 P.O. Box 2625 Birmingham, Alabama 35202	Ph: 205-992-7603 Fx: 205-992-5103 Em: <a href="mailto:rdgreen@southernco.com">rdgreen@southernco.com</a>
Donal Kidney	Northeast Power Coordinating Council 1515 Broadway Floor 43 New York, NY 10036	Ph: 212-840-1070 Fx: 212-302-2782 Em: <a href="mailto:dkidney@npcc.org">dkidney@npcc.org</a>
Sharma Kolluri	Entergy 639 Loyola Avenue L-MOB-18C New Orleans, Louisiana 70113	Ph: 504-310-5823 Fx: 504-310-5892 Em: <a href="mailto:vkollur@entergy.com">vkollur@entergy.com</a>
Mark Kuras	PJM 955 Jefferson Avenue Norristown, Pennsylvania 19403	Ph: 610-666-8924 Fx: 610-666-2296 Em: <a href="mailto:kuras@pjm.com">kuras@pjm.com</a>
Chuck Lawrence	American Transmission Company, LLC P.O. Box 47 Waukesha, Wisconsin 53187-0047	Ph: 262-506-6984 Fax: 262-506-6713 Em: <a href="mailto:clawrence@atcllc.com">clawrence@atcllc.com</a>
R. Peter Mackin	The Transmission Agency of Northern California P.O. Box 15129 Sacramento, California 95851-0129	Ph: 916-631-3212 Fx: 916-852-1073 Em: <a href="mailto:pmackin@navigantconsulting.com">pmackin@navigantconsulting.com</a>
Henry Miller	American Electric Power 700 Morrison Road Gahanna, Ohio 43230	Ph: 614-552-1125 Fx: 614-552-1645 Em: <a href="mailto:hgmiller@aep.com">hgmiller@aep.com</a>

Mahendra Patel	PJM Interconnection 800 Cabin Hill Drive Greensburg, Pennsylvania 15601	Ph: 724-853-5309 Fx: 724-834-6528 Em: <a href="mailto:patel3@pjm.com">patel3@pjm.com</a>
John Ratajczyk	American Transmission Company, LLC P.O. Box 47 Waukesha, Wisconsin 53187-0047	Ph: 262-506-6769 Fx: 262-506-6713 Em: <a href="mailto:jratajczyk@atcllc.com">jratajczyk@atcllc.com</a>
Charles Rogers	Consumers Energy 1945 W Parnall Road Jackson, MI 49201	Ph: 517-788-0027 Fx: 517-788-0917 Em: <a href="mailto:cwrogers@cmsenergy.com">cwrogers@cmsenergy.com</a>
Narinder Saini	Entergy Services Inc. 5201 W. Barraque Pine Bluff, AR 71602	Ph: 870-543-5420 Fx: 870-541-4528 Em: <a href="mailto:nsaini@entergy.com">nsaini@entergy.com</a>
Hector Sanchez	Florida Power & Light Company 4200 West Flagler Street Miami, Florida 33134	Ph: 305-442-5062 Fx: 305-442-5790 Em: <a href="mailto:hector_sanchez@fpl.com">hector_sanchez@fpl.com</a>
Chris Schaeffer	Duke Energy Corporation TV04D P.O. Box 1244 Charlotte, North Carolina 28201-1244	Ph: 704-382-3658 Fx: 704-382-3366 Em: <a href="mailto:ceschae@duke-energy.com">ceschae@duke-energy.com</a>
Larry Smith	Alabama Power Co. 600 N. 18 <sup>th</sup> Street P.O. Box 2641 Birmingham, Alabama 35291	Ph: 205-257-3270 Fx: 205-257-4684 Em: <a href="mailto:lesmith@southernco.com">lesmith@southernco.com</a>
Bob Stuart	Nexant, Inc. 101 2 <sup>nd</sup> Street 10 <sup>th</sup> Floor San Francisco, CA 94105-3672	Ph: 415-369-1029 Fx: 415-369-0894 Em: <a href="mailto:Bobstuart@iglide.net">Bobstuart@iglide.net</a>
Lee Taylor	Southern Company Services, Inc. P.O. Box 2625 Birmingham, Alabama 35291	Ph: 205-257-7467 Fx: 205-257-1040 Em: <a href="mailto:ltaylor@southernco.com">ltaylor@southernco.com</a>
Martin Trence	Xcel Energy Services 414 Nicollet Mall Minneapolis, Minnesota 55401	Ph: 612-337-2152 Fx: 612-337-2380 Em: <a href="mailto:martin.s.trence@xcelenergy.com">martin.s.trence@xcelenergy.com</a>
Kham Vongkhamchanh	Entergy Services, Inc. L-MOB-18C 639 Loyola Avenue New Orleans, Louisiana 70113	Ph: 504-310-5812 Fx: 504-310-5812 Em: <a href="mailto:kvongkh@entergy.com">kvongkh@entergy.com</a>
Philip Winston	Georgia Power Company Bin # 50061 62 Lake Mirror Road Forest Park, Georgia 30297-1613	Ph: 404-608-5989 Fx: 404-608-5430 Em: <a href="mailto:pbwinsto@southernco.com">pbwinsto@southernco.com</a>

<b>NERC STAFF</b>		
Gerry Cauley	North American Electric Reliability Council 116-390 Village Blvd. Princeton, New Jersey 08540	Ph: 609-452-8060 Fx: 609-452-9550 Em: <a href="mailto:gerry.cauley@nerc.net">gerry.cauley@nerc.net</a>
Robert Cummings	North American Electric Reliability Council 116-390 Village Blvd. Princeton, New Jersey 08540	Ph: 609-452-8060 Fx: 609-452-9550 Em: bob.cummings@ nerc.net
Mark Ladrow	North American Electric Reliability Council 116-390 Village Blvd. Princeton, New Jersey 08540	Ph: 609-452-8060 Fx: 609-452-9550 Em: <a href="mailto:mark.ladrow@nerc.net">mark.ladrow@nerc.net</a>
Virginia Sulzberger	North American Electric Reliability Council 116-390 Village Blvd. Princeton, New Jersey 08540	Ph: 609-452-8060 Fx: 609-452-9550 Em: virginia.sulzberger@ nerc.net

**Team Assignments**

<b>1<sup>st</sup> Posting</b>	<b>Source</b>	<b>Brief Description</b>	<b>Assignment</b>
MOD-023	II.B.M1	Gen procedures	Generator Team: <ul style="list-style-type: none"> <li>▪ <b>Bob Millard, Lead</b></li> <li>▪ <b>Gerry Cauley, Facilitator</b></li> <li>▪ <b>Roger Green</b></li> <li>▪ <b>Donal Kidney</b></li> <li>▪ <b>Mark Kuras</b></li> <li>▪ <b>John Ratajczyk</b></li> <li>▪ <b>Lee Taylor</b></li> </ul>
MOD-024	II.B.M2	Gen MW	
MOD-025	II.B.M3	Gen MVAR	
MOD-026	II.B.M4 II.B.M6	Volt reg plus excitation system	
MOD-027	II.B.M5 III.C.M9	Speed/load plus droop	
PRC-002	I.F.M3	V0 dist requirements plus data report	
PRC-018	I.F.M2 I.F.M4	List plus data	
PRC-003	III.C.M10	Relay procedure - V0 trans plus gen	
PRC-004	III.C.M11	Misop document - V0 trans plus gen	
PRC-005	III.C.M12	Testing - V0 trans plus gen	
PRC-023	III.A.M2	Redundancy	
DELETE	I.D.M2	Coordinate vars	Planning & Operations: <ul style="list-style-type: none"> <li>▪ <b>Peter Mackin, Lead</b></li> <li>▪ <b>Mark Ladrow, Facilitator</b></li> <li>▪ <b>Bill Bojorquez</b></li> <li>▪ <b>Nick Henery</b></li> <li>▪ <b>Sharma Kolluri</b></li> <li>▪ <b>Narinder Saini</b></li> <li>▪ <b>Martin Trence</b></li> <li>▪ <b>Kham Vongkhamchanh</b></li> </ul>
"	II.D.M3	Consistent data	
"	II.E.M1	Dynamic load	
"	II.E.M2	"	
"	II.E.M3	"	
"	III.B.M1	Assess devises	
"	IV.B.M1	ALR	
"	IV.B.M2	"	
"	IV.B.M3	"	
"	IV.B.M4	"	
Definitions	3	Crank, disturb, power	
MOD-016	II.D.M2	Double count	
VAR-001	III.C.M1 III.C.M3 III.C.M5	TOP procedure - VO plus AVR, volt schedule, taps	
VAR-002	III.C.M2 III.C.M4 III.C.M6	Gen procedure - AVR, volt schedule, taps	
MOD-022	I.F.M5	Use disturbance data	
MOD-028	III.B.M2 III.B.M3	Trans control devices	
PRC-019	III.C.M8	Coordinate gen contrl	
PRC-020	III.E.M2	UVLS database	
PRC-021	III.E.M1	UVLS program	
PRC-022	III.E.M5	UVLS event	
VAR-003	I.D.M1	Reactive assessment	
VAR-004	IIII.C.M7	Excursion	

**Action Plan:**

**1. Is this standard ready to move forward for balloting?**

- Yes
- No - Identify what additional work is needed.

**2. Does this standard need field testing?**

- Not Applicable – this needs more work before being re-posted for comment.
- Yes – identify what needs to be field tested and why.
- No

**3. Are there any other standards that need to be implemented before this one is implemented?**

- Not Applicable – this needs more work before being re-posted for comment.
- No
- Yes – Identify what Standard or Standards need to be implemented before this one and provide a reason.

**4. If this standard becomes effective on January 1, 2006 should entities be fully compliant by April 1, 2006 or do entities need more time to become fully compliant with the requirements and measures?**

- Not Applicable – this needs more work before being re-posted for comment.
- April 1 compliance date should work
- Entities may need more time to become fully compliant – identify what work will take longer and provide a suggestion for how many months beyond the three months in the default implementation plan you recommend giving entities to complete this work.



### Subteam Guidelines:

Work on the Standards in the order in which they were presented to you. For each Standard, do the following:

Review the comments on the Standard and discuss the impressions the team members have of the comments – is there a clear consensus on what changes need to be made to the standard or are the stakeholders divided on how the standard should be modified. Decide what changes should be made to the standard based on the comments and the drafting team’s technical expertise.

- If there seems to be consensus on what needs to be changed, then this is a standard that should move rapidly forward:
  - Draft a response to the comments. This needs to be detailed enough so that someone on NERC’s Staff can go through the document and make edits so that the responses are grammatically correct, correctly spelled, and are in a consistent format. Don’t waste meeting time trying to ‘fine tune’ the responses and their format.
  - Develop a red line version of the standard to show the changes made to the standard. For standards that are ‘new’ the ‘track changes’ should be made from Draft 1 of the proposed standard. For standards that are modifications to a Version 0 Standard, ‘track changes’ should be made from the approved V0 Standard.
  - Complete the Action Plan for this standard. This doesn’t need to be pretty – just record basic answers to the questions. NERC Staff will refine this after the meeting. The form will be used as a basis for identifying any work still needs to be done on the standard and for developing an implementation plan.
- If there does not seem to be consensus on what needs to be changed, then this is not a standard that should move rapidly forward:
  - Draft a response to the comments. This needs to be detailed enough so that someone on NERC’s Staff can go through the document and make edits so that the responses are grammatically correct, correctly spelled, and are in a consistent format. Don’t waste meeting time trying to ‘fine tune’ the responses and their format.
  - If practical, develop a red line version of the standard to show the changes made to the standard. If the standard needs so much work that you don’t expect it to be completed during this meeting, then contact Gerry and ask if he’d prefer you to move forward or to go on to a different standard.
  - Complete the Action Plan for this standard. This doesn’t need to be pretty – just record basic answers to the questions. NERC Staff will refine this after the meeting. The form will be used as a basis for identifying any work still needs to be done on the standard.

Before finishing your work at the end of Tuesday and Wednesday, the subteam needs to distribute to all Drafting Team Members a copy of the following files for each standard:

- Draft response to comments
- Red line changes to the standard
- Action plan

All team members are expected to review all files received and come to the meeting the following morning ready to discuss the responses, recommended changes and action plans. The purpose of the review sessions is to ensure that there is some consistency in the products of the subteams and to ensure that the finished products represent the consensus of the stakeholders and drafting team members.