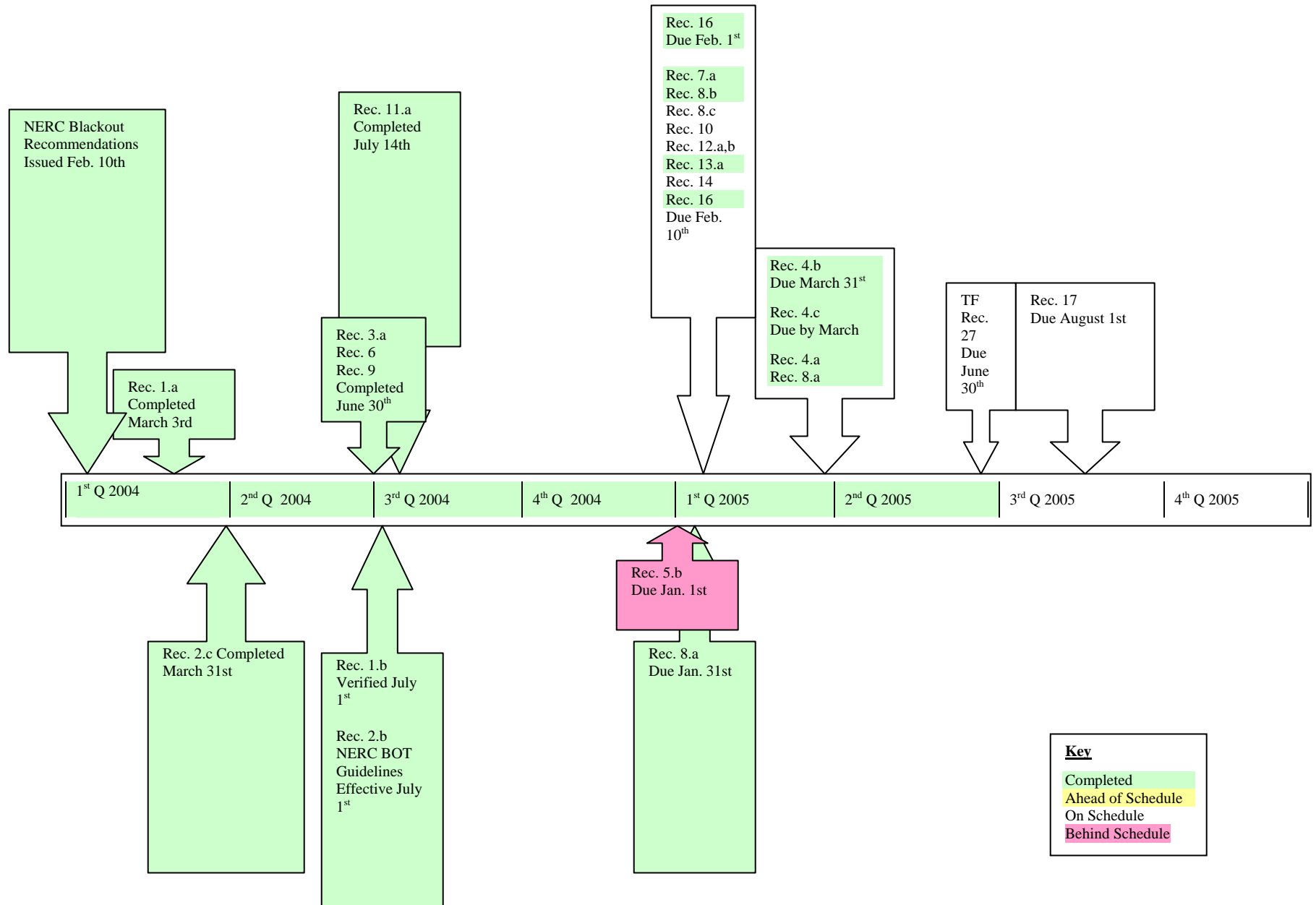


NPCC Tasks Related to NERC Blackout Recommendations Timeline



NPCC 2005 May Status Report
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		NERC	Other(s)																
1.a	Complete FE/MISO/PJM Remedial Actions	X	FE/MISO/PJM	S	P													15	Rec. 1.a - TFCO verified NPCC Control Areas meet identified mitigation measures. Completed - additional actions beyond what was required will continue in NPCC. TF Rec. 15 - Completed. Many operations measures have been reviewed and enhanced.
1.b	Assignment of Experts to Assist FE/MISO/PJM		NERC															15	Rec. 1.b - NERC provided assistance teams to help First Energy and the MISO with the implementation of their mitigation plans, and conducted on-site verification to ensure that the plans were properly implemented. Completed July 1st.
2.a	Significant Violations/ Quarterly Violations Reporting	X	NERC	S						P								17.A	Rec. 2.a - No significant violations have been reported in NPCC. NERC has developed disclosure guidelines for the release of compliance information.
2.b	Violation Corrective Actions	X*	NERC BOT	S						P								17.B	* Applicable if there is a significant violation for a member. No significant violations reported in NPCC. NERC BOT approved final "Guidelines for Reporting and Disclosure" on June 15th, to be effective July 1, 2004.
2.c	Review and Update Compliance Templates	X	PC/OC/CTTF	S						P								17.D	Rec. 2.c - Approved NERC Templates incorporated into the NPCC 2004 Compliance Program. Completed.
2.d	ECAR Compliance Review	X	ECAR/NERC	S						P								17.C	Rec. 2.d - CMAS to review recommendations, when issued. Standards and Compliance Team report finalized on April 12, 2004; the final report has yet to be issued. CMAS met November 18-19 and completed the NPCC informal review.
3.a	Readiness Audit Program	X	NERC	S	S					P								18.A	Rec. 3.a - Completed. All five NPCC Areas have successfully completed the Control Area questionnaires: ISO-NE, NYISO, and the IMO were successfully audited on-site by NERC. TF Rec. 18.A - Completed. Additional audits will have NPCC participation based on NERC schedule. NERC has scheduled the New Brunswick System Operator readiness audit for Sept. 12-16, 2005 and the TransEnergie audit for Oct. 24-28, 2005. NPCC Staff will participate in these.

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3.b	Audit Criteria	X	NERC	S	S						P								18.A	<p>Rec. 3.b - In progress. NPCC Staff has provided input into the development of the baseline audit criteria. NERC and ECAR compliance staff recommended improvements to the compliance process.</p> <p>TF Rec. 18.A - Completed. Additional audits will have NPCC participation based on the NERC schedule. NERC has scheduled the New Brunswick System Operator readiness audit for Sept. 12-16, 2005 and the TransEnergy audit for Oct. 24-28, 2005. NPCC Staff will participate in these.</p>
3.c	Readiness Audits	X	NERC/FERC	S	S						P								18.A	<p>Rec. 3.c - DOE (OETD) to take lead. Coordination with NERC CCC and CCMC required. No TFCO support requested yet. NPCC is working with its members to identify sub-operating entities through the process of Functional Model registration. This information was provided to NERC as per schedule.</p> <p>TF Rec. 18.A - Completed. Additional audits will have NPCC participation based on the NERC schedule. NERC has scheduled the New Brunswick System Operator readiness audit for Sept. 12-16, 2005 and the TransEnergy audit for Oct. 24-28, 2005. NPCC Staff will participate in these.</p>
4.a	Vegetation Related Outage Reporting Program	X	NERC	S	P	S	S				S								16.A	<p>Rec. 4.a - Primary responsibility assigned to the NPCC Task Force on Coordination of Operation (TFCO) with reports to NERC to be sent through the NPCC Compliance Monitoring & Assessment Subcommittee (CMAS). Procedures for reporting in place and in use. Documentation in place. Completed.</p> <p>TF Rec. 16.A - Standards to be developed through the NERC Standards process. NPCC criteria will be modified to be consistent with the NERC Standards. These have now been placed in the NERC Compliance program. NERC Action required to complete.</p>

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4.b	Vegetation Related Outages Annual Report	X	Transmission Operators	S	P						S								16.C	<p>Rec. 4.b - NPCC Year 2004 Report was sent to NERC 4Q 2004 - Completed. Documentation under development.</p> <p>TF Rec. 16.C - TFCO will continue to track the vegetation related outages on 230 kV and above but not all the ground-fault outages recommended.</p>
4.c	Vegetation Management Procedures	X	Transmission Owners	S	P						S								16.B	<p>Rec. 4.c - Next reporting due at the end of the fourth quarter; with the annual report due March 31, 2005. NERC has included this requirement in the Version 0 reliability Standards, "Vegetation Management Program."</p> <p>Documentation completed. TFCO believes that the Transmission Owners have necessary plans in place and have submitted a plan. Completed.</p> <p>TF Rec. 16.B - The recommended reports currently are not posted on public websites.</p>
4.d	Vegetation Management Standard	X																	16.A	<p>Rec. 4.d - A new, more comprehensive standard on vegetation management has been developed and posted for industry comment as part of Version 1. The new standard specifies minimum clearance between vegetation and energized conductors based on IEEE engineering criteria. This standard is expected to be approved prior to summer 2005.</p>
5.a	Recommendations Actions Tracking Program	X	NERC	P	S	S	S	S	S	S	S								5.A	<p>Rec. 5.a - RCC approved NPCC program and procedure July 14th. The April NPCC Status Report was posted on the NPCC web site.</p> <p>TF Rec. 5.A - NERC, DOE, FERC, and NRCAN continue development of a common database. Work underway to further develop NERC's existing database for tracking disturbances and unusual events. Completion scheduled for later in 2005. NERC is now looking to develop a web page for the Regions to monitor NERC requests made of them and the status of their responses.</p>

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5.b	NERC Reliability Performance Monitoring		NERC																5.B	Rec. 5.b - NERC is working with the Outage Task Force to develop a database to track and report progress in implementing all applicable blackout recommendations. Monitoring function is still under development. NERC initiated a collaborative effort with the NRC to analyze reliability performance trends.
6	Improve Operator/Reliability Coordinator Training	X		S	P														19.A	Rec. 6 - All NPCC Areas verified compliance by June 30th. All training completed. Documentation to confirm completion of training in all NPCC Areas completed. Will determine if formal NPCC self-certification is required. TF Rec. 19.A - Documentation to confirm completion of five days of training in all NPCC Areas needed from CO-2 Working Group.
7.a	Reactive & Voltage Standards Evaluation	X	NERC PC	S	S	S	P												23	Rec. 7.a - The NPCC response was sent to the TIS in March 2005. The PC approved the TIS report at its March 2005 meeting and will be presented to the NERC BOT for approval at its May 2005 meeting. TF Rec. 23 - The PC approved a TIS study schedule for conducting reliability and adequacy analyses of several load centers as requested in Rec. 23. The regional studies are expected to be completed by December 31, 2005.
7.b	ECAR Reactive Power Review		ECAR																23	Rec. 7.b - ECAR has contracted with a vendor to conduct a voltage/reactive study to help in establishing regional voltage/reactive criteria. TIS review of ECAR's responses was completed and accepted by the PC Executive Committee in mid-August and the PC in November 2004.

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8.a	Zone 3 Relay Review/Analysis	X	Transmission Owners	S	S	S	S	P		S									21.A	Rec. 8.a - NERC System Protection and Control Task Force (SPCTF) recommendations (Steps A - D) concerning Rec. 8a approved by the NERC PC on July 20th. The TFSP has completed Steps A through D; CMAS forwarded a summary Area report to NERC January 2005. The PC approved the SPCTF report at its March 2005 meeting, and asked the SPCTF to develop a SAR based on the report for review by the PC at its June 2005 meeting.
8.b	Evaluate UVLS	X		S		P	S	S		S									21.B	Rec. 8.b - Each NPCC Area conducted the requested evaluation for their systems under the coordination of the SS-37 Working Group. SS-37 drafted a status report that was reviewed by TFSS and the Joint NPCC Task Force Chairs prior to sending to NERC on February 10th. TF Rec. 21.B - Preliminary results will be presented at the June 2005 PC meeting, with a final report and recommendations for approval at the September 2005 PC meeting.
8.c	Evaluate Planning Standard III	X	NERC PC	S		S	P	S		S									21.C	Rec. 8.c - TFCP developed White Paper on the merits of controlled separation was discussed at January TFCP meeting. TFCP presented the paper at the January 2005 meeting of the NPCC Joint Task Force Chairs and to the RCC at their March 9, 2005 meeting. The White Paper was posted for comments; the TFCP addressed comments at their May 11 meeting, the revised White Paper will be presented to the RCC in June. The SS-37 Working Group has completed an analysis of the feasibility of UVLS for the NPCC Region as a part of the NPCC Overall Transmission Review and is packaging the final report.

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9	Clarify Reliability Coordinator and Control Area Functions	X	NERC OC	S	P					S								20 26.A 30.B	Rec. 9 - Completed - no additional TFCO action is anticipated. NERC reviewing how the Homeland Security Information Network (HSIN) can be used to help improve real-time communications among RCs and CAs. TF Rec. 20 - The NPCC CO-12 WG is reviewing the NERC RCWG guidelines for any conflicts with existing NPCC Area reporting requirements. TF Rec. 26.A - same status as TF20. TF Rec. 30.B - Planned outages are well coordinated among the NPCC Areas. The NPCC Emergency preparedness and the NERC Hotline procedures address this. Completed.
10	Establish Guidelines for Real-Time Operating Tools	X	NERC OC	S	P				S									22	Rec. 10 - NERC's Real-Time Tools Best Practices Task Force survey is in the final stages of preparation before being issued throughout the NERC Regions. There has been the need to fine-tune the survey to allow short answers so that the massive number of responses can be carefully analyzed. This need has caused the delay in issuing it. TF Rec. 22 - The CO-10 Working Group will evaluate NPCC Area practices to determine their adequacy once the NERC RTBPTF provides some direction on what is required. CO-10 WG continues work on a document to replace the NPCC B-12 and C-17 Documents.
11.a	August 14 System Restoration Evaluation	X	NERC PC/OC; PJM; NPCC, ECAR	S	P													29.A	Rec. 11.a - The IRCWG's NPCC Restoration Report was approved by the RCC on July 14th. Completed. TF Rec. 29.A - The NPCC CO-11 IRCWG has completed this.
11.b	Blackstart & Restoration Evaluation	X		S	P													29.B	Rec. 11.b - The IRCWG's (CO-11) NPCC Restoration Report on the August 14, 2003 system restoration was approved by the RCC on July 14th. TFCCO waiting for the NERC Planning Committee's acknowledgement of NPCC's satisfactory completion of Rec. 11b. TF Rec. 29B - NPCC CO-11 report satisfies this item. Completed.

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12.a	Regional Criteria for Synchronized Recording Devices	X	PC	S				P	S									28.B	Rec. 12.a - SEDR WG published a report on Synchronized Event Data Reporting on February 9, 2005. The report was reviewed at the March 9, 2005 RCC meeting. The PC approved the IDWG report at its March 2005 meeting; it will be presented to the NERC BOT for approval at their May 2005 meeting. This report also addresses TF Rec. 23.A and 23.B . As a follow-up to the report, the IDWG will develop a proposed SAR(s) to revise the NERC reliability standards pertaining to requirements for reporting disturbances and the installation of disturbance monitoring equipment. The SAR(s) will be available for PC review by June 30, 2005.
12.b	Dynamic Recorder Upgrade/Installation	X	Facilities Owners	S				P	S									28.A	Rec. 12.b - SEDR WG published a report on Synchronized Event Data Reporting on February 9, 2005. The PC approved the IDWG report at its March 2005 meeting; it will be presented to the NERC BOT for approval at their May 2005 meeting. This report also addresses TF Rec. 23.A and 23.B . As a follow-up to the report, the IDWG will develop a proposed SAR(s) to revise the NERC reliability standards pertaining to requirements for reporting disturbances and the installation of disturbance monitoring equipment. The SAR(s) will be available for PC review by June 30, 2005.
13.a	Reevaluate System Operations Planning and Operating Criteria	X	NERC OC	S	P													30.A	Rec. 13.a - The NERC version "0" Standards become effective April 1, 2005. Completed. TF Rec. 30.A - NPCC agreement on the Bulk Power System definition is needed to complete the identification of critical NPCC facilities. NPCC Areas have critical facilities lists, but they are not on a consistent NPCC basis. Within NPCC the CP-11 Working Group is addressing the Bulk Power System definition and which facilities are considered BPS. No NERC action on this yet.

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13.b	ECAR Reevaluation		ECAR															15.D.1	Rec. 13. b - TIS's and RIS's reviews of ECAR's reports and responses were completed and accepted by the PC Executive Committee in mid-August 2004 and the PC in November 2005.
13.c	Evaluation of Planning Processes	X	NERC PC	S			P											24	Rec. 13.c - The CP-9 Working Group of the TFCP has begun their review and tracking of the Resource Adequacy Standard currently being drafted by NERC and has submitted comments through the SAR process. NPCC staff also made a presentation to the NERC TIS outlining the NPCC planning process and the various studies and reviews performed by the Regions and its Areas. The TIS is preparing an assessment of the NERC planning process and will present preliminary results for PC comment at the June 2005 PC meeting with a final report and recommendations for approval at the December 2005 PC meeting.
14	Model Data Validation	X		S		P	S											24	Rec. 14 - NPCC developed a three-step plan: 1) compile existing NPCC and Area procedures regarding validation of models used in power flow and stability analyses; 2) review and assess the adequacy of the existing procedures; 3) if necessary, recommend new procedures considered necessary to provide for adequate model validation. A Step 1 status report, including a summary of the existing model validation procedures, was sent to NERC on February 10, 2005. The MMWG's summary of regional activities on model validation and data exchange practices was reviewed at the March 2005 PC meeting.
15	NERC to investigate future blackouts and disturbances	X																14	Rec. 15 - Creation of a standing Binational ERO Oversight Group has been completed.

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16	Accelerate the standards transition.	X																	25.B	Rec. 16 - Completed - Version 0 standards adopted by NERC Board for implementation on April 1, 2005.
17	Evaluate NERC actions in the areas of cyber and physical security.	X																	32.A	Rec. 17 - NERC is developing a Cyber Security Standard to help address the IT recommendations. NERC conducted a webcast and conference call February 2, 2005 to discuss the second draft of its Cyber Security Standards, CIP-002-1 through CIP-009-1.
	Develop Enforceable Standards for Transmission Line Ratings	X																	27	TF Rec. 27 - NERC PC heard an overview of the draft recommendations from several blackout investigation team's draft reports on system modeling, dynamics, and transmission and generation performance. A final set of recommendations will be available for the June 2005 PC meeting.
	TLR Use	X																	31	TF Rec. 31 - The revisions to NERC Policy 9, "Reliability Coordinator Procedures," clarifies the use of the TLR procedure. The newly-formed NERC/NAESB TLR subcommittee will also discuss this recommendation and decide if additional work is needed.