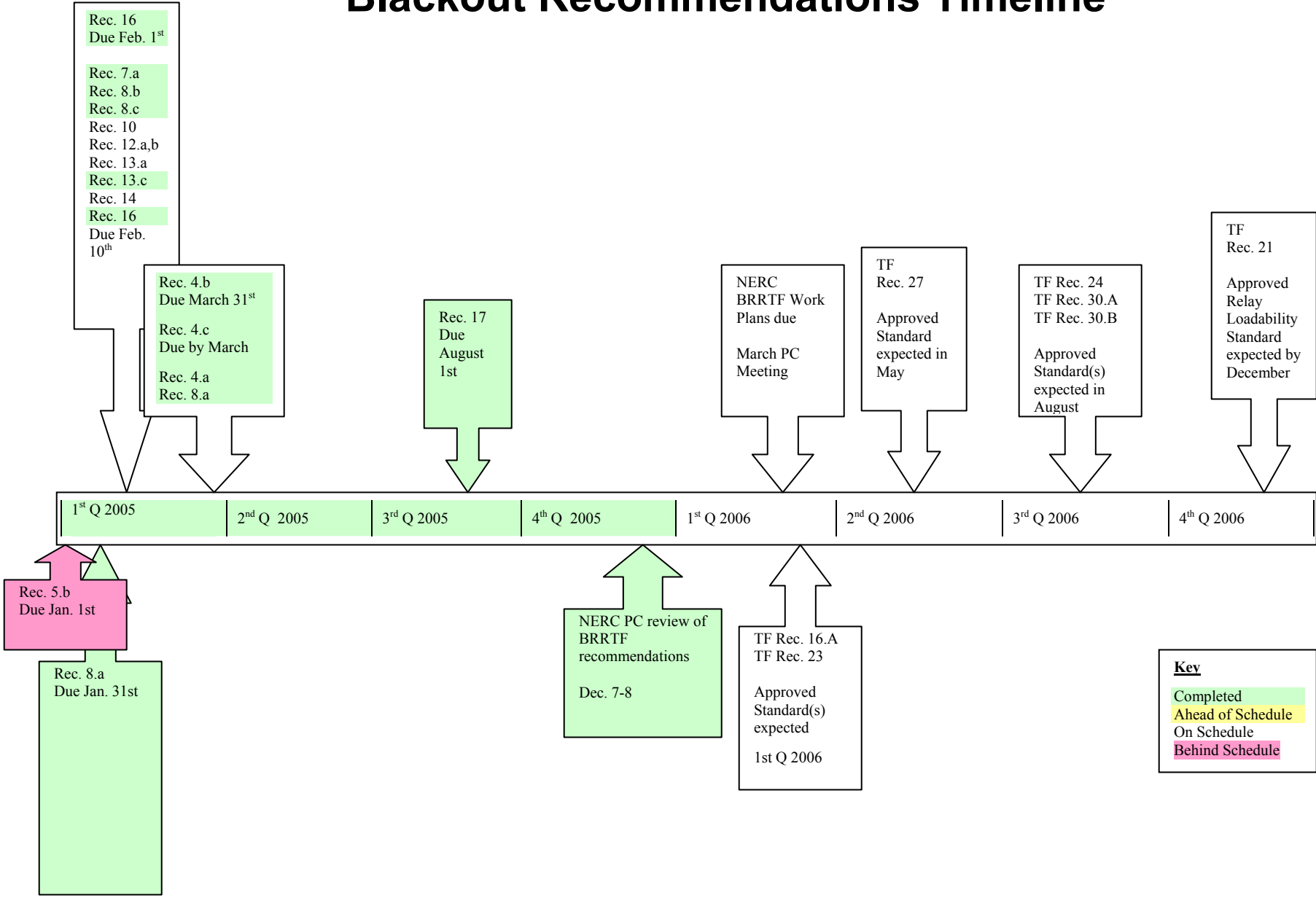


NPCC Tasks Related to NERC Blackout Recommendations Timeline



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NERC Board/US-Canadian TF Recommendations on Blackout

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NERC BOT #	Short Description									US-CA TF #	Comments
		NERC	Other(s)								
1.a	Complete FE/MISO/PJM Remedial Actions	X	FE/MISO/PJM							15	<p>Rec. 1.a - TFCO verified NPCC Control Areas meet identified mitigation measures. Completed - additional actions beyond what was required will continue in NPCC.</p> <p>TF Rec. 15 - Completed. Many operations measures have been reviewed and enhanced. NERC considers TF Rec. 15 A-E completed.</p>
1.b	Assignment of Experts to Assist FE/MISO/PJM		NERC							15	<p>Rec. 1.b - In March 2005, FE provided the PC with an update on follow-up activities on FE's plan to address blackout recommendations related to the completion of outstanding reactive capability tests on several fossil generation units, resolution of a 50 MW margin for voltage stability study purposes and its implementation within the MISO process, and the evaluation of automatic undervoltage load shedding (UVLS) and its implementation at thirty-three locations by the summer of 2005. This update provided closure on FE's reporting to the PC on implementation plan items scheduled for completion in 2005. NERC considers TF Rec. 15 A-E completed.</p>

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2.a	Significant Violations/ Quarterly Violations Reporting	X	NERC							17.A	Rec. 2.a - No significant violations have been reported in NPCC. On August 2, 2005, the NERC BOT approved the Compliance Performance Reporting Process developed by the Compliance and Certification Committee. NERC considers TF Rec. 17.A completed.
2.b	Violation Corrective Actions	X*	NERC BOT							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. On August 2, 2005, the NERC BOT approved the Compliance Performance Reporting Process developed by the Compliance and Certification Committee. NERC considers TF Rec. 17.B completed.
2.c	Review and Update Compliance Templates	X	PC/OC/CTTF							17.D	Rec. 2.c - Approved NERC Templates incorporated into the NPCC 2004 Compliance Program. Completed. NERC considers TF Rec. 17.D completed.

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2.d	ECAR Compliance Review	X	ECAR/NERC							17.C	<p>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. NERC considers TF Rec. 17.C completed.</p>
3.a	Readiness Audit Program	X	NERC							18.A	<p>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.</p> <p>TF Rec. 18.A - Completed. Additional audits will have NPCC participation based on NERC schedule. NPCC Staff participated in the New Brunswick System Operator readiness audit (Sept. 12-16, 2005) and the TransEnergie audit (Oct. 24-28, 2005).</p>

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3.b	Audit Criteria	X	NERC							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. NPCC Staff participated in the New Brunswick System Operator readiness audit (Sept. 12-16, 2005) and the TransEnergie audit (Oct. 24-28, 2005).</p>

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3.c	Readiness Audits	X	NERC/FERC							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. NPCC Staff participated in the New Brunswick System Operator readiness audit (Sept. 12-16, 2005) and the TransEnergie audit (Oct. 24-28, 2005).</p>

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4.a	Vegetation Related Outage Reporting Program	X	NERC							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 - The Transmission Vegetation Management Program Standard has been reposted for recirculation ballot from Jan 17-27, 2006; following a successful recirculation ballot, the standard will be submitted to the board for final adoption first quarter 2006.</p>

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4.b	Vegetation Related Outages Annual Report	X	Transmission Operators							16.C	<p>Rec. 4.b - NPCC Year 2004 Report was sent to NERC 4Q 2004; NPCC 1Q05 & 2Q05 reports were sent to NERC.</p> <p>TF Rec. 16.C - Under the new vegetation management standard, transmission owners will report outages to their regional council quarterly, and the regional councils will report quarterly to NERC. NERC will posts a composite report on its web site. NERC considers TF Rec. 16.C completed.</p>

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4.c	Vegetation Management Procedures	X	Transmission Owners							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." 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. NERC considers TF Rec. 16.B completed.</p>

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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 through July 31, 2005. The new standard specifies minimum clearance between vegetation and energized conductors based on IEEE engineering criteria. The new standard specifies minimum clearance between vegetation and energized conductors based on IEEE engineering criteria.</p> <p>TF Rec. 16.A - The Transmission Vegetation Management Program Standard has been reposted for recirculation ballot from Jan 17-27, 2006; following a successful recirculation ballot, the standard will be submitted to the board for final adoption first quarter 2006.</p>

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5.a	Recommendations Actions Tracking Program	X	NERC							5.A	<p>Rec. 5.a - RCC approved NPCC program and procedure July 14, 2004. The December 2005 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>
5.b	NERC Reliability Performance Monitoring		NERC							5.B	<p>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.</p>

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6	Improve Operator/Reliability Coordinator Training	X								19.A	<p>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.</p> <p>TF Rec. 19.A - NERC's new operator certification exams, which reflect the latest NERC Reliability Standards, will be available February 1, 2006. There are no plans at this point to develop training requirements, per se, for the planning staff at control areas and reliability coordinators. Organization certification requirements will address what reliability coordinators, balancing authorities, and transmission operators will need to have the capability to do. Complete.</p>

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7.a	Reactive & Voltage Standards Evaluation	X	NERC PC							23	<p>Rec. 7.a - NPCC responded to NERC PC's Transmission Issues Subcommittee (TIS) survey on reactive power and voltage control practices. The NERC BOT approved the TIS report at its May 2005 meeting; they resolved that the appropriate organizations and committees implement the report recommendations. The TFCP's whitepaper to address and document what was done and how NPCC should follow up was approved at the Sept. 2005 RCC meeting.</p> <p>TF Rec. 23 - The TFCP's Voltage and Reactive Power Practices Report was approved at the Sept. 2005 RCC meeting. All regional studies are expected to be completed by December 2005. Incorporated into NERC's on-going standards development activities; some standards expected to be approved first quarter 2006; remainder by August 2006.</p>

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7.b	ECAR Reactive Power Review		ECAR							23	<p>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.</p> <p>TF Rec. 23 - All regional studies are expected to be completed by December 2005. Incorporated into NERC's on-going standards development activities; some standards expected to be approved first quarter 2006; remainder by August 2006.</p>

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8.a	Zone 3 Relay Review/Analysis	X	TR-1 PC/SPCTF TF-2 PC/SPCTF with OC/TS							21.A	<p>Rec. 8.a - The SPCTF report was approved by the PC in July. The NERC BOT approved the EHV Transmission System Relay Loadability Report and its recommendations on August 2, 2005. NERC's Blackout Recommendation Review Task Force related recommendations were approved by the NERC PC in December 2005 (TR-1,2). Work plans for these assignments will be submitted for approval at the March 2006 PC meeting.</p> <p>TF Rec. 21.A - The NERC BOT approved the EHV Transmission System Relay Loadability Report and its recommendations on August 2, 2005. Incorporated into NERC's on-going standard development activities. Relay loadability standard expected to be approved by the end of 2006.</p>

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8.b	Evaluate UVLS	X	TR-7 PC/TIS & SPCTF							21.B	<p>Rec. 8.b - SS-37 drafted a status report, sent to NERC on February 10, 2005. The NPCC UVLS Evaluation Report was approved at the November 29, 2005 RCC meeting. NERC's Blackout Recommendation Review Task Force related recommendations were approved by the NERC PC in December 2005 (TR-7).</p> <p>TF Rec. 21.B - The TIS report was approved at the December 2005 PC meeting, NERC BOT approval will be sought in February 2006. Incorporated into NERC's on-going standard development activities. Relay loadability standard expected to be approved by the end of 2006.</p>

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8.c	Evaluate Planning Standard III	X	TR-8 PC/IDWG with SPCTF & TIS							21.C	<p>Rec. 8.c - Analysis of the feasibility of UVLS for the NPCC Region as a part of the NPCC Overall Transmission Review was approved by the RCC approved at its November 2005 meeting. NERC's Blackout Recommendation Review Task Force related recommendations were approved by the NERC PC in December 2005 (TR-8).</p> <p>TF Rec. 21.C A summary level version of the BRRTF final report is expected to be available prior to the March 2006 PC meeting. Incorporated into NERC's on-going standard development activities. Relay loadability standard expected to be approved by the end of 2006.</p>

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9	Clarify Reliability Coordinator and Control Area Functions	X	NERC OC							20 26.A 30.B	<p>Rec. 9 - Completed - no additional TFCO action is anticipated. NERC reviewing how the Homeland Security Information Network can be used to help improve real-time communications among RCs and CAs. TF Rec. 20 - Incorporated into NERC's continuing Reliability Coordinator Information System improvement program. TF Rec. 26.A - same status as TF Rec. 20. TF Rec. 30.B - Planned outages are well coordinated among the NPCC Areas. The NPCC Emergency preparedness and the NERC Hotline procedures address this. Incorporated into NERC's ongoing standards development activities. Expect approval by August 2006. Completed.</p>

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10	Establish Guidelines for Real-Time Operating Tools	X	TR-3 Completed. TR-5 OC/IS TR-6 OC/SDX Task Force with MMWG							22	Rec. 10 - The CO-10 WG has identified the EMS/SCADA failure review practices used by the NPCC Areas, and have put in place practices to review and analyze at each meeting any EMS/SCADA failures, including the priority and time deadlines for restoring the systems to full capability. TF Rec. 22 - NERC's BRRTF related recommendations were approved by the NERC PC in December 2005 (TR-3,5,6). Work plans for these assignments will be submitted for approval at the March 2006 PC meeting. The NERC Real Time Tools Best Practices TF has received all survey responses and is analyzing the results. TFCO and CO-10 will review the findings when they are available and consider any necessary enhancements to NPCC operating tools. Incorporated into NERC's on-going best practices, standards development, and tools enhancement activities.

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11.a	August 14 System Restoration Evaluation	X	NERC PC/OC; PJM; NPCC, ECAR							29.A	<p>Rec. 11.a - The IRCWG's NPCC Restoration Report was approved by the RCC on July 14th. Completed.</p> <p>TF Rec. 29.A - The NPCC CO-11 IRCWG has completed this. The NERC OC approved the Restoration Report recommendations from the ORS at its June 8-9, 2005 meeting. Incorporated into NERC's on-going activities.</p>
11.b	Blackstart & Restoration Evaluation	X								29.B	<p>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. TFCO waiting for the NERC Planning Committee's acknowledgement of NPCC's satisfactory completion of Rec. 11b.</p> <p>TF Rec. 29B - NPCC CO-11 report satisfies this item. The NERC OC approved the Restoration Report recommendations from the ORS at its June 8-9, 2005 meeting. Incorporated into NERC's on-going activities. Completed.</p>

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12.a	Regional Criteria for Synchronized Recording Devices	X	TR-10 PC/IDWG with SPCTF							28.B	<p>Rec. 12.a - The SEDR WG report on Synchronized Event Data Reporting was discussed at the June 1, 2005 RCC meeting, with presentation of the associated cost/benefit given at the Sept. 2005 RCC meeting. The NERC IDWG report was approved at the May 2005 NERC BOT meeting; they resolved that the regional reliability councils take steps to improve the disturbance monitoring capabilities as outlined in the report. TF Rec. 28.B. NERC's Blackout Recommendation Review Task Force related recommendations were approved by the NERC PC in December 2005 (TR-10). Work plans for these assignments will be submitted for approval at the March 2006 PC meeting. Incorporated into NERC's on-going standards development activities. Initial standards expected to be approved in early 2006; enhanced standards on phasor measurement devices by early 2007.</p>

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12.b	Dynamic Recorder Upgrade/Installation	X	TR-10 PC/IDWG with SPCTF							28.A	<p>Rec. 12.b - The SEDR WG report on Synchronized Event Data Reporting discussed at the June 1, 2005 RCC meeting. Presentation of the associated cost/benefit given at the Sept. 2005 RCC meeting. The NERC IDWG report approved at the May 2005 NERC BOT meeting; they resolved that the regional reliability councils take the outlined steps to improve disturbance monitoring capabilities.</p> <p>TF Rec. 28.A - BRRTF related recommendations were approved by the NERC PC in December 2005 (TR-10). Work plans for these assignments will be submitted for approval at the March 2006 PC meeting. Incorporated into NERC's on-going standards development activities. Initial standards expected to be approved in early 2006; enhanced standards on phasor measurement devices by early 2007. Cost recovery responsibility of FERC and appropriate regulatory authorities in Canada.</p>

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13.a	Reevaluate System Operations Planning and Operating Criteria	X	NERC OC							30.A	<p>Rec. 13.a - NERC's Blackout Recommendation Review Task Force related recommendations were approved by the NERC PC in December 2005 (TR-6). Work plans for these assignments will be submitted for approval at the March 2006 PC meeting.</p> <p>TF Rec. 30.A Within NPCC the CP-11 Working Group is addressing the Bulk Power System definition and which facilities are considered BPS. The RCC approved the Evaluation Study Plan for NPCC Document A-10 at their Sept. 7, 2005 meeting, and reviewed a list of existing NPCC Area BPS elements and schedule for completion of testing at its November 2005 meeting. Incorporated into NERC's on-going standard development activities. Expect approval by August 2006.</p>
13.b	ECAR Reevaluation		ECAR							15.D.1	<p>Rec. 13. b - TIS's and RIS's reviews of ECAR's reports and responses were completed and accepted by NERC in mid-August 2004 and updates related to TF Rec. 15.D in August 2005. NERC considers TF Rec. 15 A-E completed.</p>

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13.c	Evaluation of Planning Processes	X	NERC PC							24	<p>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 report was approved at the December 2005 PC meeting, NERC BOT approval will be sought in April 2006.</p> <p>TF Rec.24 Phase III/IV Planning Standards MOD-16 and 22 address extensive data reporting for generators. Incorporated into NERC's on-going standards activities. Standards expected to be approved by August 2006.</p>

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14	Model Data Validation	X	TR-4 PC/MMWG with TIS & OC/DFWG TR-9 PC/MMWG with TIS/SPCTF/ RIS TR-12,13 PC/MMWG with TIS							24	<p>Rec. 14 - NERC is moving ahead with development and implementation of the "Phase III & IV" planning standards, which include model validation. Consequently, the TFSS proposes to postpone consideration of new NPCC procedures pending developments regarding related NERC standards. NERC's Blackout Recommendation Review Task Force related recommendations were approved by the NERC PC in December 2005 (TR-4,9,12,13). Work plans for these assignments will be submitted for approval at the March 2006 PC meeting.</p> <p>TF Rec.24 Phase III/IV Planning Standards MOD-16 and 22 address extensive data reporting for generators. Incorporated into NERC's on-going standards activities. Standards expected to be approved by August 2006.</p>

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15	NERC to investigate future blackouts and disturbances	X								14	<p>Rec. 15 - NERC has developed Blackout Disturbance and Response Procedures, which include requirements for the analysis of blackouts. These procedures were accepted by the board in May 2005, with the direction to obtain further input from the NERC standing committees and other stakeholders as the procedures are refined and upgraded.</p> <p>TF Rec. 14 - Creation of a standing Binational ERO Oversight Group has been completed. A bilateral working group from the United States and Canada will address key issues related to electricity reliability in North America. The terms of reference were announced June 30, 2005.</p>

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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. NERC considers TF Rec. 25 A-D completed.
17	Evaluate NERC actions in the areas of cyber and physical security.	X								32.A	Rec. 17 - The NERC BOT extended the expiration date of Reliability Standard 1200, Urgent Action Cyber Security Standard, to the earlier of the effective date of the permanent cyber security standard or August 13, 2006.

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	Develop Enforceable Standards for Transmission Line Ratings	X	PC/Ratings							27	<p>TF Rec. 27 - Facility Rating Methodology SAR posted, with comments due by July 15, 2005; balloting completed in Nov. 2005; FAC 008-1 (Facility Ratings Methodology) and FAC 009-1 (Establish and Communicate Facility Ratings) passed, and will be forwarded to the NERC BOT for adoption. One of the Determine Facility Ratings groups of standards (FAC-010-1 and FAC-011-1) has been reposted for a 45-day comment period from December 1, 2005 through January 17, 2006, following a revision of the definition of "Contingency". Final Standard expected to be approved in May 2006.</p>

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	TLR Use	X								31	<p>TF Rec. 31 - The NERC BOT approved the urgent action revision to Reliability Standard IRO-006, Attachment 1, "Transmission Loading Relief Procedures - Eastern Interconnection" on June 15, 2005. At its November 15–16, 2005 meeting, the NERC ORS decided to withdraw its standards authorization request that was intended to divide the reliability requirements from the business practices in the TLR Procedure, standard IRO-006. The subcommittee also agreed to ask NAESB to discontinue further work on its complementary business practice standard. The subcommittee believes that the TLR procedure is too complex and interwoven with reliability, tariff, and business practices to split into documents under the purview of two separate organizations. Completed.</p>

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		NERC	Other(s)								
	Establish and Implement Mapping Deliverables/Requirements for Disturbance Analysis (geographical maps and one-line diagrams).	X	OC/DAWG with IDWG								TR-14. NERC should specify a standard set of system maps to be maintained and supplied for analysis of system disturbances. Maps should be regularly updated to reflect changes in system topology or generation facilities. Improvements to the Reliability Coordinator Information System include system flowgate maps. Recommendation approved by the NERC PC in December 2005. Work plans for this assignments will be submitted for approval at the March 2006 PC meeting.

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	Establish EMS and SCADA Time Synchronization Standards	X	OC/Data Exchange WG with PC IDWG/SPCTF								<p>TR-15a. EMS hardware and software designs should be accommodate time stamps recorded by remote telemetry units (RTUs). Each substation should have GPS synchronization capabilities.</p> <p>TR-15b. All real-time data exchanged via ICCP data (volts, flow, frequency data, ACE) between operating entities should be similarly time stamped, and those time stamps should be included in all transmittals.</p> <p>TR-15c. Data collection should be well monitored to detect equipment failures and data quality problems.</p> <p>TR-15d. Standards for data retention and archiving should be established. Recommendations approved by the NERC PC in December 2005. Work plans for these assignments will be submitted for approval at the March 2006 PC meeting.</p>

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	Evaluate and Implement "Defense in Depth" System Monitoring, Control, and Protection Measures to Slow Down and Mitigate the Severity of Cascades.	X	16a: PC/IDWG with TIS/SPCTF 16b: OC/ORS with TS								TR-16. For each of the Interconnections, a defense-in-depth philosophy and integrated strategy should be developed based on the characteristics of that interconnection to limit the impacts of potential cascading outages. The Operating Reliability Subcommittee and Transmission Subcommittee are forming an operations planning task force to work on this. Recommendation approved by the NERC PC in December 2005. Work plans for this assignments will be submitted for approval at the March 2006 PC meeting.
	Review the Response of Switch-on-to-Fault Relay Functions to System Disturbances.	X	PC/SPCTF								TR-17. It is recommended that the SPCTF review the concept of "switch-onto-fault" logic and settings in relaying systems, and prepare a report for the Planning Committee on its merits, deficiencies, and setting requirements. Not started. Recommendation approved by the NERC PC in December 2005. Work plans for this assignments will be submitted for approval at the March 2006 PC meeting.

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	Revise Industry Standards to Establish Under/Over Frequency Design Limits of Operation for Distance Relays.	X	PC/SPCTF								<p>TR-18. Standardize a frequency floor above which relays should not trip. Such a frequency set point should be coordinated with UFLS and generator underfrequency tripping schemes. IEEE Standard C37.90 should be revised to include this limit. Not started. Recommendation approved by the NERC PC in December 2005. Work plans for this assignments will be submitted for approval at the March 2006 PC meeting.</p>
	Evaluate and Report on the Performance and Complexity of Protection and Control Schemes for Three Terminal Lines	X	PC/SPCTF with TIS								<p>TR-19. NERC should review and report on the advantages and disadvantages of the use of multi-terminal line configurations on the EHV system, and any associated complex protection and control (sequential) schemes. Particular attention should be paid to the performance of such configurations and its protection during emergency operation conditions, including expected system swings. Not started. Recommendation approved by the NERC PC in December 2005. Work plans for this assignments will be submitted for approval at the March 2006 PC meeting.</p>

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	Establish Guidelines on High Speed Reclosing.	X	PC/SPCTF								<p>TR-20. Not started. NERC should review and report on the advantages and disadvantages of autoreclosing methods on the EHV system including:</p> <ul style="list-style-type: none"> • High speed automatic reclosing for multi-phase and single phase relay operation • Synchronism check reclosing <p>Recommendations approved by the NERC PC in December 2005. Work plans for these assignments will be submitted for approval at the March 2006 PC meeting.</p>
	Require the Installation of Underfrequency Protection for Generators and Coordination with UFLS.	X	PC/IDWG with SPCTF								<p>TR-21. Underfrequency relaying should be installed on all generators, coordinated with the underfrequency load shedding relays (IDWG to lead combined scope definition of TR-8 & TR-21) Inter-regional planning study may be needed. Recommendation approved by the NERC PC in December 2005. Work plans for this assignments will be submitted for approval at the March 2006 PC meeting.</p>

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	Evaluate and Implement Coordination Requirements for Generator Backup Protection Responses in Cohesive Generation Groups.	X	PC/SPCTF with IDWG/RCWG								TR-22. NERC should evaluate these protection schemes and their settings for appropriateness including coordination of protection and controls when operating within a coherent generation weakly connected to an interconnection or in as an electrical island. Generators directly connected to the transmission system using a 51V should consider the use of an impedance relay instead. Not started. Recommendation approved by the NERC PC in December 2005. Work plans for this assignments will be submitted for approval at the March 2006 PC meeting.

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	Establish Regime for More In-Depth Analysis in Transmission Reliability Studies.	X	OC & PC/TIS with MMWG								<p>TR-23a. NERC should re-examine the appropriateness of the 30-minute criteria for returning to a safe operation following an outage. Not started.</p> <p>TR-23b. NERC, the Regions, and the ISO/RTOs should conduct a comprehensive analysis of the bulk power system for identification of severe combinations of contingencies. Not started.</p> <p>TR-23c. NERC, the Regions, and the ISO/RTOs should develop study regimes that determine severe combinations of contingencies. Not started. Recommendations approved by the NERC PC in December 2005. Work plans for these assignments will be submitted for approval at the March 2006 PC meeting.</p>

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	Continue "What if" Analyses, Promote Research Based on the Blackout, and Preserve Forensic Analysis Techniques.	X	PC/TIS with MMWG/IDWG /DAWG								TR-24. Evaluate significant "what-if" scenarios to learn how the overall system may have performed given varying system conditions or different sequence of events. Those studies should investigate the feasibility of preventative and "safety net" mitigation strategies. Not started. Recommendation approved by the NERC PC in December 2005. Work plans for this assignments will be submitted for approval at the March 2006 PC meeting.