Implementation Plan — Set Two of Phase III & IV Reliability Standards

Effective Date

The following table shows the proposed effective dates for the standards in the second of two sets of Phase III & IV standards. Each of these standards has a unique effective date, based on the amount of preparation needed to comply with the requirements. The effective dates for EOP-005, MOD-013, and MOD-016 are contingent on approval of the reliability standards by a vote of the ballot pool in March 2006.

The effective dates for VAR-001, VAR-002, and TOP-002 are contingent upon stakeholder support during the third posting of the standards, followed by approval of the reliability standards by a vote of the ballot pool in June 2006. The effective dates are also contingent on adoption of these Standards by the NERC Board of Trustees. The board will approve the final effective date when it adopts the standards for implementation. The drafting team expects EOP-005, MOD-013, and MOD-016 to be considered by the board on May 2, 2006; with VAR-001, VAR-002, and TOP-002 to be considered by the board on August 2, 2006.

There are two other standards in Set Two of Phase III & IV (MOD-026 and MOD-027) and these standards require field testing before an implementation plan can be finalized.

Standard	Proposed Effective Date	Reason for Delay in Implementation
EOP-005 System Restoration Plans	One year after BOT adoption	Time needed for TOP to update cranking paths and to do testing or simulation with new emphasis on blackstart elements of restoration plans.
MOD-013 Maintenance and Distribution of Dynamics Data Requirements and Reporting Procedures	6 months beyond BOT adoption	Time needed to reach agreement on the addition to the RRO's procedures.
MOD-016 Documentation of Data Reporting Requirements for Actual and Forecast Demands, Net Energy for Load, and Controllable Demand-Side Management	6 months beyond BOT adoption	Time needed for RRO to modify & distribute existing procedures.
VAR-001 Voltage and Reactive Control	6 months beyond BOT adoption	Time needed for TOP to update its documentation and, if needed, develop new procedures.
VAR-002 Generator Operation for Maintaining Network Voltage Schedules	6 months beyond VAR-001	Delay allows responsible entities time to conform to associated requirements in VAR-001 – this may involve developing new procedures.
TOP-002 Normal Operations Planning	Same time as VAR-002	Revision of Requirement 14 needs to take place at the same time its replacement requirement in VAR-002 is implemented.

Modification to Version 0 TOP-002 based on adoption of VAR-002

The drafting team recommends that the following requirement be modified when VAR-002 becomes effective:

Version 0 TOP-002	Proposed VAR-002
R14. Generator Operators shall, without any intentional time delay, notify their Balancing Authority and Transmission Operator of changes in capabilities and characteristics including but not limited to: **R14.1.** Changes in real ~~and reactive~~ output capabilities. ~~**R14.2.** Automatic Voltage Regulator status and mode setting.~~	**R3.** Each Generator Operator shall notify its associated Transmission Operator within 30 minutes of any of the following. If unable to notify the Transmission Operator within 30 minutes, the Generator Operator shall have documentation to support the reasons for not making the notification within 30 minutes. **R3.1.** A status change on any synchronous generator Reactive Power resource, including the status of each automatic voltage regulator and power system stabilizer. **R3.2.** A status change on any other Reactive Power resources under the Generator Operator's control. **R3.3.** A voltage or Reactive Power schedule for a generator is not maintained.

Compliance with Phase III & IV Reliability Standards

Once the Phase III & IV reliability standards are effective, the responsible entities identified in each of the standards must comply with the requirements in that standard. The table in Appendix A maps all the Phase III & IV requirements to each applicable function in the Functional Model. Note that some Phase III & IV reliability standards are modifications of existing Version 0 standards. Entities must continue to comply with all requirements in approved Version 0 standards until the requirements in the approved Version 0 standards are replaced or retired. For example, MOD-016-1 is a modification of Version 0's MOD-016-0. MOD-016-0 has two requirements for the Regional Reliability Organization and the Planning Authority. The Regional Reliability Organization and Planning Authority are both responsible for compliance with both of the requirements in MOD-016-0 until MOD-016-1 replaces MOD-016-0.

Standard Number	Req. Number	BA	DP	GO	GOP	LSE	PA	PSE	RC	RP	RRO	RSG	TO	TOP	TP	TSP	NERC_Net
EOP-005	1													TOP			
EOP-005	2													TOP			
EOP-005	3													TOP			
EOP-005	4													TOP			
EOP-005	5	BA												TOP			
EOP-005	6	BA												TOP			
EOP-005	7	BA												TOP			
EOP-005	8													TOP			
EOP-005	9													TOP			
EOP-005	10													TOP			
EOP-005	10.1													TOP			
EOP-005	11	BA												TOP			
EOP-005	11.1	BA												TOP			
EOP-005	11.2	BA												TOP			
EOP-005	11.3	BA															
EOP-005	11.4													TOP			
EOP-005	11.5													TOP			
EOP-005	11.5.1													TOP			
EOP-005	11.5.2													TOP			
EOP-005	11.5.3													TOP			

Standard Number	Req. Number	BA	DP	GO	GOP	LSE	PA	PSE	RC	RP	RRO	RSG	TO	TOP	TP	TSP	NERC_Net
EOP-005	11.5.4													TOP			
MOD-013	1										RRO						
MOD-013	1.1										RRO						
MOD-013	1.1.1										RRO						
MOD-013	1.2										RRO						
MOD-013	1.2.1										RRO						
MOD-013	1.2.2										RRO						
MOD-013	1.3										RRO						
MOD-013	1.4										RRO						
MOD-013	1.5										RRO						
MOD-013	2										RRO						
MOD-016	1						PA				RRO						
MOD-016	1.1						PA				RRO						
MOD-016	1.2						PA				RRO						
MOD-016	2										RRO						
MOD-016	2.1										RRO						
MOD-016	3						PA										
MOD-026	1										RRO						
MOD-026	1.1										RRO						
MOD-026	1.2										RRO						

Standard Number	Req. Number	BA	DP	GO	GOP	LSE	PA	PSE	RC	RP	RRO	RSG	TO	TOP	TP	TSP	NERC_Net
MOD-026	1.3										RRO						
MOD-026	1.4										RRO						
MOD-026	1.4.1										RRO						
MOD-026	1.4.2										RRO						
MOD-026	1.4.3										RRO						
MOD-026	1.4.4										RRO						
MOD-026	1.4.5										RRO						
MOD-026	1.4.6										RRO						
MOD-026	1.4.7										RRO						
MOD-026	1.4.8										RRO						
MOD-026	1.4.9										RRO						
MOD-026	2										RRO						
MOD-026	3			GO													
MOD-027	1										RRO						
MOD-027	1.1										RRO						
MOD-027	1.2										RRO						
MOD-027	1.3										RRO						
MOD-027	1.4										RRO						
MOD-027	1.5										RRO						
MOD-027	1.5.1										RRO						

Standard Number	Req. Number	BA	DP	GO	GOP	LSE	PA	PSE	RC	RP	RRO	RSG	TO	TOP	TP	TSP	NERC_Net
MOD-027	1.5.2										RRO						
MOD-027	1.5.3										RRO						
MOD-027	1.5.4										RRO						
MOD-027	2										RRO						
MOD-027	3			GO													
TOP-002	14			GO													
VAR-001	1													TOP			
VAR-001	2													TOP			
VAR-001	3													TOP			
VAR-001	4													TOP			
VAR-001	4.1													TOP			
VAR-001	4.2													TOP			
VAR-001	5													TOP			
VAR-001	5.1													TOP			
VAR-001	6							PSE									
VAR-001	7													TOP			
VAR-001	7.1													TOP			
VAR-001	8													TOP			
VAR-001	9													TOP			
VAR-001	10													TOP			

Standard Number	Req. Number	BA	DP	GO	GOP	LSE	PA	PSE	RC	RP	RRO	RSG	TO	TOP	TP	TSP	NERC_Net
VAR-001	10.1													TOP			
VAR-001	11													TOP			
VAR-001	12													TOP			
VAR-001	13													TOP			
VAR-002	1				GOP												
VAR-002	2				GOP												
VAR-002	2.1				GOP												
VAR-002	2.2				GOP												
VAR-002	3				GOP												
VAR-002	3.1				GOP												
VAR-002	3.2				GOP												
VAR-002	4			GO													
VAR-002	4.1			GO													
VAR-002	4.1.1			GO													
VAR-002	4.1.2			GO													
VAR-002	4.1.3			GO													
VAR-002	4.1.4			GO													
VAR-002	5			GO													
VAR-002	5.1				GOP												