

VAR Mapping Document

Transition of VAR-001-3 and VAR-002-2b (~~the pro forma standard~~)

Standard: VAR-001-4 – Voltage and Reactive Control		
Requirement in Approved Standard	Transitions to the below Requirement in New Standard or Other Action	Description and Change Justification
VAR-001-3 R1	Requirement R1	<u>This requirement is duplicated in other standards. The pro forma creates adds additional sub-requirements that requires the policies and the new requirement has been simplified procedures to require the specification of the include criteria for system assessments. The assessments must now include steady state limits, voltage and Reactive Power schedules stability limits and associated operating margins, and voltage schedules along with associated tolerance bands. A new part 1.1 has been added to allow for voltage coordination with adjacent</u> The sub-requirements also now mandate that information is shared with neighboring TOPs and the applicable RCsRC.
VAR-001-3 R2	Requirement R2	The new requirement has been updated to <u>incorporate real time and day ahead</u> scheduling of resources. It eliminates the need for the existing R7, R8, and R9. <u>It also maintains a list of sufficient reactive resources.</u>

Standard: VAR-001-4 – Voltage and Reactive Control		
Requirement in Approved Standard	Transitions to the below Requirement in New Standard or Other Action	Description and Change Justification
VAR-001-3 R3	Requirement R4R3	The new requirement has been simplified by removing the need to maintain an exemption list. Instead, the standard focuses on whether the exemption criteria are known and whether a granted exemption was communicated to the applicable Generator.
VAR-001-3 R4	Requirement R5R4	The new requirements have been updated to allow the TOP to provide the voltage or Reactive Power schedule at either the high side or the low side of the GSU. Also as tolerance band is now required under the new requirement. New parts have also been added to direct a GOP to operate in AVR, to require the TOP to provide notification requirements, and to provide the criteria for developing schedules and tolerance bands upon request.
VAR-001-3 R5	Deleted	Pending a final rulemaking on P81, this requirement has been deleted.
VAR-001-3 R6	Deleted Requirement R5	This requirement is deleted because the TOP standards require knowing the status of Reactive Power resources. Although power system stabilizers are not specifically named in the TOP standards, the areas that rely on PSS equipment will require monitoring the status under the data specifications of the TOP standards. The sub-requirement R6.1 was deleted because it is duplicative of VAR-002's requirement R1 and R2.
VAR-001-3 R7	Deleted	This has moved into the See comments for new R3R2.
VAR-001-3 R8	Deleted	This has moved into the See comments for new R3R2.
VAR-001-3 R9	Deleted	See comments for new R2.
VAR-001-3 R10	Deleted	This is duplicative of TOP-001-2 and the Tv definition.

Standard: VAR-001-4 – Voltage and Reactive Control		
Requirement in Approved Standard	Transitions to the below Requirement in New Standard or Other Action	Description and Change Justification
VAR-001-3 R11	Requirement R6	The requirement has been updated to allow for scheduling consultation. The only change is the numbering due to other deletions.
VAR-001-3 R12	Deleted	This requirement was deleted because the EOP standards address taking any corrective action including load-shedding. Also the new TOP-002-3 R2 and TOP-001-2 R11 address the TOP taking corrective actions.

Standard: VAR-002-3 – Capacity Benefit Margin		
Requirement in Approved Standard	Transitions to the below Requirement in New Standard or Other Action	Description and Change Justification
VAR-002-2b R1	Requirement R1	The requirement has not been modified to allow for testing and exemptions for other AVR modes when necessary.
VAR-002-2b R2	Requirement R2	The new pro forma requirement has been updated to allow for TOP-defined notification requirements. The by including a new sub-requirement also adds parts to allowing GOPs to allow for the conversion of a high side schedule to a low side number for monitoring purposes only call in certain instances when deviating from voltage schedules.
VAR-002-2b R3 R2	Requirement R3 and R4.	The old new pro forma requirement has been broken into two requirements: 1) one for AVR/PSS updated by including a new sub-requirement to allowing GOPs to investigate why the status, and 2) one for reactive capability. Both allow 15 minutes to correct an issue has changed on AVR equipment before having to notify the TOP.

Standard: VAR-002-3 – Capacity Benefit Margin

Requirement in Approved Standard	Transitions to the below Requirement in New Standard or Other Action	Description and Change Justification
VAR-002-2b R3 R2	Requirement R4	The requirement has not been modified.
VAR-002-2b R4 R2	Requirement R5	The requirement has not been modified.