Project 2008.02
Undervoltage Load Shedding

Project 2008-02 UVLS Standard Drafting Team
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## Standard Drafting Team

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• NERC Project 2008-02 seeks to revise the current NERC undervoltage load shedding (UVLS) standards.

• The key catalyst for this effort is based on the following FERC directive from Order 693, which included the following in regard to PRC-010-0:

  Modify PRC-010-0 to require that *an integrated and coordinated approach be included in all protection systems on the Bulk Power System*, including generators and transmission lines, generators’ low voltage ride-through capabilities, and UFLS and UVLS programs.
• In January 2010, NERC posted the Project 2008-02 UVLS SAR, which proposed to revise and consolidate PRC-010-0 and PRC-022-1 to add specific criteria for UVLS programs and the assessments of those programs.

• Due to other priorities, no further work was done until the project was restarted in 2013.

• A drafting team was formed this past May, and the members decided to rewrite the SAR to ensure a results-based standard that considers current issues associated with UVLS.
Current Development

The revised SAR, still being finalized, proposes that:

- PRC-010-0 will include appropriate requirements from PRC-020-1, PRC-021-1, and PRC-022-1 and be revised to PRC-010-1.

- The standard will apply to the TP, PC, RC, TOP, TO, and DP.

- PRC-010-1 will establish an integrated and coordinated approach to the design, evaluation, and reliable operation of UVLS programs.

- PRC-010-1 will NOT require a UVLS program; it will only apply to entities that have or are planning to implement a UVLS program.

- PRC-020-1, PRC-021-1, and PRC-022-1 will be retired upon approval of PRC-010-1.
• The following issues are under consideration to be addressed by the standard or associated documents:

  ▪ A clear definition of an automatic UVLS program, including the varying characteristics of UVLS programs
  ▪ How the differentiation between a UVLS program and an SPS applies to this standard
  ▪ Coordination of a UVLS program with other protection systems
  ▪ Initial and periodic assessments of a UVLS program to verify its effectiveness and coordination
  ▪ UVLS program deficiencies and equipment Misoperations
  ▪ Maintaining and sharing UVLS program data
• Development and outreach will continue through November, with plans to hold a webinar and technical conference.

• Documents are scheduled to be posted for the first comment and ballot period in late December through early February.

• Submittal to the NERC BOT and subsequent regulatory filing is targeted for Summer 2014.
• Early consensus-building is our top priority.

• We encourage stakeholders to follow our effort, attend outreach events, and provide constructive feedback.

• Please contact Erika Chanzes at Erika.Chanzes@nerc.net with any questions and to be added to the project’s email distribution list.
Questions and Answers