

# Project 2008-02 Undervoltage Load Shedding

Recommended Coordination Plan | March 14, 2014

## Background

Project 2008-02 Undervoltage Load Shedding (“UVLS Project”) proposes to consolidate and retire PRC-010-0, PRC-020-1, PRC-021-1, and PRC-022-1 to create PRC-010-1 – Undervoltage Load Shedding. During development, the drafting team identified the following necessary corresponding changes to meet the design of PRC-010-1:

- 1) Modify PRC-004-3 – Protection System Misoperation Identification and Correction, which excludes UVLS, to include certain types of UVLS programs as part of its applicable facilities.
- 2) Retire three requirements in EOP-003-2 – Load Shedding Plans whose required performance is reflected in proposed PRC-010-1.
- 3) Modify the current NERC Glossary definition of the term Special Protection System (SPS), which excludes UVLS, to include a subset of UVLS programs that are more appropriately categorized as SPSs and covered by SPS-related standards.

In order to make the necessary changes, the UVLS Project needs to coordinate with ongoing development work in three active NERC standard development projects as follows:

- Project 2010-05.1 Protection Systems: Phase 1 (Misoperations) (“Misoperations Project”)
- Project 2009-03 Emergency Operations (“EOP Project”)
- Project 2010-05.2 Protection Systems: Phase 2 (Special Protection Systems) (“SPS Project”)

## Current Recommended Plan

As a result, NERC has identified a preferred project plan to coordinate the above-mentioned projects to properly align legacy standard retirements and revised standard implementations due to the differences in each project's timing. In short, the revised SPS definition, the UVLS Project, and the EOP Project will be presented simultaneously to industry, the NERC Board of Trustees, and applicable regulatory authorities. An illustrative diagram of this coordination appears on the next page. This plan is subject to change as necessary.

- 1) The UVLS Project will address the conforming changes needed to PRC-004 after PRC-004-3 is complete. How and when this will occur depends on when PRC-004-3 obtains approval from the ballot body and is adopted by the NERC Board of Trustees.
- 2) The EOP and UVLS Projects will progress simultaneously and coordinate necessary changes.
- 3) The SPS Project is proposing to revise the definition of SPS in advance of revising the SPS standards. The UVLS Project will progress simultaneously with the SPS definition revision in order to properly transfer certain aspects of the legacy UVLS standards into coverage under the SPS standards.

## Impacts

As a result of the necessary coordination above, the UVLS Project and the EOP Project are now timed by the schedule for the SPS Project, which is targeting the approval of the revised SPS definition at the February 2015 NERC Board of Trustees meeting.

## Additional Considerations

Of note, Project 2007-17.3 Protection System Maintenance and Testing: Phase 3 (Sudden Pressure Relays) is beginning development on version 4 of PRC-005, which may consider use of a new defined term introduced by the UVLS Project. Therefore, this project may also coordinate with the UVLS Project as needed.

