

Revised Definition of “Special Protection System”

Special Protection System (SPS)

Background

In Order No. 693, the Commission approved, among other things, the *Glossary of Terms Used in NERC Reliability Standards* (“NERC Glossary”), which included NERC’s currently effective definitions of Special Protection System and Remedial Action Scheme. The NERC Glossary currently defines a Special Protection System as:

An automatic protection system designed to detect abnormal or predetermined system conditions, and take corrective actions other than and/or in addition to the isolation of faulted components to maintain system reliability. Such action may include changes in demand, generation (MW and Mvar), or system configuration to maintain system stability, acceptable voltage, or power flows. An SPS does not include (a) underfrequency or undervoltage load shedding or (b) fault conditions that must be isolated or (c) out-of-step relaying (not designed as an integral part of an SPS). Also called Remedial Action Scheme.

The currently effective NERC Glossary definition for “Remedial Action Scheme” is a cross-reference to the definition of Special Protection System and reads: “See ‘Special Protection System.’” This internal cross-reference from Remedial Action Scheme to Special Protection System in lieu of a separate definition was developed to ensure that the terms are used interchangeably even where entities or an interconnection uses one term versus the other.

On February 3, 2015, NERC submitted a petition for approval of a revised definition of “Remedial Action Scheme” to add clarity and to ensure proper identification of Remedial Action Schemes and a more consistent application of related Reliability Standards. As explained in the petition, “[t]he defined terms ‘Special Protection System’ and ‘Remedial Action Scheme’ are currently used interchangeably throughout the NERC Regions and in various Reliability Standards, including prior versions of the Proposed Reliability Standards.” Along with this proposed revised definition, NERC submitted revisions to various Reliability Standards by replacing the term “Special Protection System” and replacing it with the newly revised “Remedial Action Scheme.” As NERC stated, “use of only one term in the NERC Reliability Standards will ensure proper identification of these systems and application of related Reliability Standards.” The petition also anticipated future revision to the definition of “Special Protection System” to cross-reference the newly revised and proposed definition of “Remedial Action Scheme.” This coordination, which would be achieved by implementing the new definition of “Special Protection System” simultaneously with the Commission approval of the revised definition for “Remedial Action Scheme,” will ensure that all references to “Special Protection System” and “Remedial Action Scheme” refer to the same revised definition.

On June 18, 2015, the Commission issued a Notice of Proposed Rulemaking (“NOPR”) proposing to accept the revisions to the RAS definition and associated standards, and on November 19, 2015, the Commission issued a Final Order approving the RAS definition and associated standards.

Revised Definition

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See “Remedial Action Scheme”