

Project 2015-06

Standard Drafting Team (IRO SDT)

Stephen Solis, IRO-SDT Chair

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Administrative items

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IRO Standards Drafting Team

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Member	Entity
Stephen Solis (Chair)	ERCOT
Don Reichenbach (Vice Chair)	Duke Energy
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Gregory Campoli	NYISO
Anthony Jankowski	We Energies
Tony Rowan	Mid-Continent Independent System Operator
Brian Strickland	Southwest Power Pool, Inc.
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Member	Entity
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Project 2015-06 - Interconnection Reliability Operations and Coordination

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- Implement five-year review recommendations on IRO-006-EAST and IRO-009-1 that resulted from Project 2012-09
 - Initially reviewed IRO-003-2, IRO-004-2, IRO-005-4, IRO-006-5, IRO-006-East, IRO-008-1, IRO-009-1 and IRO-010-1a
 - All standards recommended for revision except IRO-006-5, which was affirmed
- Project 2014-03 –TOP and IRO Standards seeks to retire IRO-003-2, IRO-004-2, IRO-005-4, IRO-008-1 and IRO-010-1a
 - Only IRO-006-East and IRO-009-1 remain

- IRO drafting team (IRO SDT) appointed on April 6, 2015
- IRO-006-East and IRO-009-1 SAR and redlined standards comment period closed April 15, 2015
- IRO SDT met in Tampa, FL, April 28-30, 2015
- IRO-006-East-2 and IRO-009-2 are posted for an initial comment and ballot period through July 8, 2015
- IRO SDT conference calls scheduled for July 10, 13, and 15, 2015
- Target August or November 2015 NERC Board
- Contact Developer katherine.street@nerc.net

- IRO-006-East
 - R1 is recommended for retirement
 - The standard drafting team (IRO SDT) agrees with the FYRT's assertion that IRO-006-EAST-1 Requirement R1 is redundant with IRO-008-1, Requirement R3, and IRO-009-1, Requirement R4.
 - The requirements in IRO-008-1 and IRO-009-1 are results based and specify a reliability objective to be achieved.
 - The IRO SDT further agrees with the FYRT's conclusion that IRO-006-EAST-1 Requirement R1 simply provides a list of actions to be taken without any parameters for their use.

- IRO-006-East

- R3 is recommended for retirement

- The IRO SDT agrees with the FYRT's determination that the intent of Requirement R3 is not to define a curtailment process when the IDC is compromised or unavailable. In the event of an IDC failure, TLR action would be very limited resulting in manual curtailments and other manual actions to preserve the reliability of the Bulk Electric System.
- The IRO SDT further agrees with the FYRT's assertion that Requirement R3 contains actions that are automatically generated via the IDC tool and sent to proper entities upon issuance of the TLR.
- This requirement should be removed from the standard, as it meets Paragraph 81 Criterion B1 – Administrative.

- IRO-006-East
 - R2 was modified
 - The IRO SDT revised new Requirement R1 (previously Requirement R2) to improve clarity and to incorporate and simplify the sub-requirements into the main requirement.
 - R4 was modified
 - The IRO SDT revised new Requirement R2 (previously Requirement R4) to improve clarity and to incorporate and simplify some of the bullets into the main requirement, and modified the remaining bullet to be a requirement instead of a passive statement.

- IRO-009
 - R1 and R2 combined
 - The IRO SDT revised this requirement by combining IRO-009-1 Requirements R1 and R2 to form one requirement with two subparts to make the requirements more concise, as both requirements contained similar language.
 - R3 modified
 - The IRO SDT revised the language of new Requirement R2 (previously Requirement R3) to improve clarity as well as consistency with similar NERC Board of Trustees (Board) approved standards, such as, TOP standard revisions (TOP-001-3 R14); “IROL exceedance,” “Real Time monitoring,” and “Real Time Assessments.”

- IRO-009
 - R4 modified
 - The IRO SDT revised Requirement R3 (previously Requirement R4) to remove the term “without delay” from the requirement upon determining that the point of time at which the requirement is triggered is inherent in the requirement itself.
 - The IRO SDT also revised the language of this requirement to improve clarity as well as consistency with similar Board approved standards, such as, TOP standard revisions (TOP-001-3 R14); “IROL exceedance,” “Real Time monitoring,” and “Real Time Assessments.”
 - R5 modified
 - The IRO SDT revised the language of Requirement R4 (previously Requirement R5) for clarity as well as consistency with similar Board approved standards, such as TOP standard revisions (TOP-001-3 R18). The IRO SDT retained clarifying language to limit applicability to appropriate affected RCs.

- All requirements were reviewed for paragraph 81 Criteria
- Although recently revised BOT approved IRO/TOP Standard revisions are not FERC approved, the team heavily considered them to attempt to apply consistency where appropriate
- Mapping documents from previous projects that referenced IRO-009-1 as justification for retirement of other requirements were also considered
- It was identified that IRO-006-EAST and IRO-009 should be modified to be in the Results Based Standard (RBS) format
- VRFs and VSLs were reviewed for alignment with the guidelines
- The Project 2015-06 Interconnection Reliability Operations (IRO) standard drafting team (SDT) responded to industry comments received during the public comment period from March 16, 2015 through April 15, 2015.



Questions and Answers