



Standard Changes

February 8, 2023

Curtis Holland
Staff Reliability Specialist

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- TOP-003-5 Operational Reliability Data
- IRO-010-4 Reliability Coordinator Data Specification and Collection
- EOP-011-2 Emergency Preparedness and Operations


TOP-003 Operational Reliability Data

TOP-003-4	TOP-003-5
	<p>1.3. Provisions for notification of BES generating unit(s) during local forecast cold weather to include:</p> <ul style="list-style-type: none">1.3.1. Operating limitations based on:<ul style="list-style-type: none">1.3.1.1. capability and availability;1.3.1.2. fuel supply and inventory concerns;1.3.1.3. fuel switching capabilities; and1.3.1.4. environmental constraints.1.3.2. Generating unit(s) minimum:<ul style="list-style-type: none">1.3.2.1. design temperature; or1.3.2.2. historical operating temperature; or1.3.2.3. current cold weather performance temperature determined by an engineering analysis.
R1.1.3 A periodicity for providing data.	R1.1.4 A periodicity for providing data.
R1.1.4 The deadline by which the respondent is to provide the indicated data.	R1.1.5 The deadline by which the respondent is to provide the indicated data.

TOP-003 Operational Reliability Data

TOP-003-4	TOP-003-5
	<p>2.3. Provisions for notification of BES generating unit(s) status during local forecast cold weather to include:</p> <ul style="list-style-type: none">2.3.1. Operating limitations based on:<ul style="list-style-type: none">2.3.1.1. capability and availability;2.3.1.2. fuel supply and inventory concerns;2.3.1.3. fuel switching capabilities; and2.3.1.4. environmental constraints.2.3.2. Generating unit(s) minimum:<ul style="list-style-type: none">2.3.2.1. design temperature; or2.3.2.2. historical operating temperature; or2.3.2.3. current cold weather performance temperature determined by an engineering analysis.
R2.2.3 A periodicity for providing data.	R2.2.4 A periodicity for providing data.
R2.2.4 The deadline by which the respondent is to provide the indicated data.	R2.2.5 The deadline by which the respondent is to provide the indicated data.

CAISO Procedure No. 3140

 California ISO	Operating Procedure	Procedure No.	3140
		Version No.	5.3
		Effective Date	4/01/2023
TOP-003 TOP – BA Data Request and Specification Guidelines		Distribution Restriction: None	


Purpose:

Provides a documented specification to applicable NERC functional entities of the data necessary for California ISO to perform its Balancing Authority and Transmission Operator Planning Analyses, Real-time monitoring, and Real-time Assessments. It is also data that is necessary for Lone Star (LST, TOP for Horizon West), Pacific Gas & Electric (PGAE), Southern California Edison (SCE), San Diego Gas & Electric (SDG&E), Trans Bay Cable (TBC) and Valley Electric (VEA) to perform Transmission Operator Planning Analyses, Real-time monitoring, and Real-time Assessments for their respective areas.

IRO-010 Reliability Coordinator Data Specification and Collection

IRO-010-3	IRO-010-4
	<p>1.3. Provisions for notification of BES generating unit(s) during local forecast cold weather to include:</p> <ul style="list-style-type: none">1.3.1 Operating limitations based on:<ul style="list-style-type: none">1.3.1.1. capability and availability;1.3.1.2. fuel supply and inventory concerns;1.3.1.3. fuel switching capabilities; and1.3.1.4. environmental constraints.1.3.2. Generating unit(s) minimum:<ul style="list-style-type: none">1.3.2.1. design temperature; or1.3.2.2. historical operating temperature; or1.3.2.3. current cold weather performance temperature determined by an engineering analysis.
R1.1.3 A periodicity for providing data.	R1.1.4 A periodicity for providing data.
R1.1.4 The deadline by which the respondent is to provide the indicated data.	R1.1.5 The deadline by which the respondent is to provide the indicated data.

CAISO Procedure RC0120

 California ISO RC West	Reliability Coordinator Procedure	Procedure No.	RC0120
		Version No.	5.3
		Effective Date	4/01/2023
Guidelines for RC West IRO-010 Data Specification and Collection		Distribution Restriction: None	

Purpose

Provide guidance to applicable functional entities on expectations for provision of required data to the Reliability Coordinator (RC West) for the RC to perform its Operational Planning Analyses, Real-time monitoring, and Real-time Assessments.

EOP-011 Emergency Preparedness and Operations

EOP-011-1	EOP-011-2
<p>Purpose: To address the effects of operating Emergencies by ensuring each Transmission Operator and Balancing Authority has developed Operating Plan(s) to mitigate operating Emergencies, and that those plans are coordinated within a Reliability Coordinator Area.</p>	<p>Purpose: To address the effects of operating emergencies by ensuring each Transmission Operator, Balancing Authority, and Generator Owner has developed plan(s) to mitigate operating Emergencies and that those plans are implemented and coordinated within the Reliability Coordinator Area as specified within the requirements.</p>
<p>4. Applicability:</p> <p>4.1. Functional Entities:</p> <ul style="list-style-type: none">4.1.1 Balancing Authority4.1.2 Reliability Coordinator4.1.3 Transmission Operator	<p>4. Applicability:</p> <p>4.1. Functional Entities:</p> <ul style="list-style-type: none">4.1.1 Balancing Authority4.1.2 Reliability Coordinator4.1.3 Transmission Operator3.1.4 Generator Owner3.1.5 Generator Operator
	<p>4.2. Facilities</p> <p>4.2.1 For the purpose of this standard, the term “generating unit” means all Bulk Electric System generators.</p>

EOP-011 Emergency Preparedness and Operations

EOP-011-1	EOP-011-2
R1.1.2.6 Reliability impacts of extreme weather conditions.	R1.1.2.6. Provisions to determine reliability impacts of: 1.2.6.1. cold weather conditions; and 1.2.6.2. extreme weather conditions.
R2.2.2.9. Reliability impacts of extreme weather conditions	R2.2.2.9. Provisions to determine reliability impacts of: 2.2.9.1. cold weather conditions; and 2.2.9.2. extreme weather conditions.

EOP-011 Emergency Preparedness and Operations

EOP-011-1

EOP-011-2

R7. Each Generator Owner shall implement and maintain one or more cold weather preparedness plan(s) for its generating units. The cold weather preparedness plan(s) shall include the following, at a minimum: [Violation Risk Factor: High] [Time Horizon: Operations Planning and Real-Time Operations]

- 7.1. Generating unit(s) freeze protection measures based on geographical location and plant configuration;
- 7.2. Annual inspection and maintenance of generating unit(s) freeze protection measures;
- 7.3. Generating unit(s) cold weather data, to include:
 - 7.3.1. Generating unit(s) operating limitations in cold weather to include:
 - 7.3.1.1. capability and availability;
 - 7.3.1.2. fuel supply and inventory concerns;
 - 7.3.1.3. fuel switching capabilities; and
 - 7.3.1.4. environmental constraints.
 - 7.3.2. Generating unit(s) minimum:
 - 7.3.2.1. design temperature; or
 - 7.3.2.2. historical operating temperature; or
 - 7.3.1.3. current cold weather performance temperature determined by an engineering analysis.

EOP-011 Emergency Preparedness and Operations

EOP-011-1	EOP-011-2
	<p>R8. Each Generator Owner in conjunction with its Generator Operator shall identify the entity responsible for providing the generating unit-specific training, and that identified entity shall provide the training to its maintenance or operations personnel responsible for implementing cold weather preparedness plan(s) developed pursuant to Requirement R7. [Violation Risk Factor: Medium] [Time Horizon: Long-term Planning, Operations Planning]</p>

Contact:

Curtis Holland

Staff Reliability Specialist

cholland@wecc.org