Purpose

This procedure defines the actions performed by the CAISO and other entities to prepare for and report natural disasters, major outages, damage or destruction of BES (Bulk Electric System) equipment, and other Significant Events that affect the reliability of the grid.
1. Responsibilities

<table>
<thead>
<tr>
<th>Role</th>
<th>Responsibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scheduling Coordinator (SC)</td>
<td>Provide complete and timely notifications of Significant Events to the CAISO in accordance with CAISO procedures and DOE, NERC and WECC requirements. Refer to CAISO Operating Procedure 4110A DOE, NERC and WECC Significant Event Reporting Requirements to determine responsibilities for submitting required DOE and/or NERC reports.</td>
</tr>
<tr>
<td>Metered Sub System (MSS)</td>
<td></td>
</tr>
<tr>
<td>Participating Generator (PG)</td>
<td></td>
</tr>
<tr>
<td>Participating Transmission Owner (PTO)</td>
<td></td>
</tr>
<tr>
<td>Small Utility Distribution Company (SUDC)</td>
<td></td>
</tr>
<tr>
<td>Utility Distribution Company (UDC)</td>
<td></td>
</tr>
<tr>
<td>CAISO System Operator</td>
<td>Provide complete and timely notifications of Significant Events to all applicable internal and external parties in accordance with CAISO procedures and DOE, NERC and WECC requirements.</td>
</tr>
<tr>
<td>CAISO Shift Manager Desk</td>
<td>Direct CAISO System Operator actions to manage Significant Events in accordance with CAISO Emergency Procedures and as otherwise necessary and appropriate for the prevailing conditions. Provide complete and timely notifications of Significant Events to all applicable internal and external parties in accordance with CAISO, DOE, NERC and WECC requirements.</td>
</tr>
<tr>
<td>CAISO Emergency Response Coordinator (ERC)</td>
<td>Serve as the information conduit between the CAISO Shift Manager, the System Operations Department Operations Center (DOC), CAISO Officers, and External Affairs JIC Lead. Additionally, the ERC or their designee is responsible for notifying the Corporate Incident Commander directly if there is a System Operations incident that meets the criteria for being tracked or managed at the enterprise level. Initiates notification processes to internal and external stakeholders. Refer to CAISO Operating Procedure 4110A DOE, NERC and WECC Significant Event Reporting Requirements to determine DOE, NERC, and WECC reporting requirements.</td>
</tr>
</tbody>
</table>
### 2. Scope/Applicability

#### 2.1. Background

The CAISO Tariff requires entities within the CAISO Balancing Authority Area to promptly notify the CAISO of Significant Events that pose a threat to the reliability of the grid. In addition, NERC and the DOE have established requirements for reporting such events to NERC, DOE, WECC and other federal and state agencies. Generally, responsibility for the reporting events is detailed in CAISO Operating Procedure 4110A DOE, NERC and WECC Significant Event Reporting Requirements. The CAISO is responsible for satisfying the reporting and notification requirements stated in this procedure.

| CAISO Public Information Officer (PIO) | Responsible for accumulating event information to prepare an external message, notifying regulatory agencies and others of operational events as outlined in CAISO Operating Procedure 4110C Emergency Response Coordinator Checklist, 4110D ERC External Emergency Contacts, and filing DOE OE-417 and NERC Event Reporting form as necessary. |
| CAISO Government Affairs | The PIO is responsible for representing the CAISO to media and news outlets via interviews and approved press releases, as well as internal employee communications. |
| CAISO Officers | Inform the Governor's office, legislators, state, and federal agencies of power system conditions that significantly impact the general public and/or require direct involvement of government entities. |
| CAISO Incident Commander | Notify Board of Governors and/or external stakeholders as deemed necessary. |
| CAISO External Affairs Joint Information Center (JIC) Lead | Upon activation of the corporate incident management and response process, the Incident Commander leads the corporate incident management team during the response to and recovery from a disruptive incident that may impact the CAISO's business operations or reputation. |
| The JIC Lead is the liaison between the ERC and the External Affairs division and will coordinate activities and tasks across the External Affairs division. |
2.2. Scope/ Applicability

The CAISO makes an assessment and prepares for potential adverse operating conditions such as extreme weather conditions, wildfires, earthquakes, flooding, tsunamis, GMD (Geomagnetic Disturbance), etc., that may potentially threaten elements of the BES. The CAISO reports Significant Events that occur within the CAISO Balancing Authority Area that may be of interest and/or require action by state agencies.

PTOs, UDCs, SUDCs, SCs on behalf of PGs, and MSSs report Significant Events that threaten grid reliability, which may cause interest and/or action by the CAISO, or may result in peril to life, property, or grid resources within the CAISO Balancing Authority area.

Additionally, the CAISO has a corporate incident management and response process in place utilizing the ICS to manage incidents with a greater corporate impact or for those incidents that may impact the CAISO’s reputation. Business units with a departmental emergency response process (like System Operations), are responsible for detailing how they connect to and notify corporate incident command.

3. Procedure Detail

3.1. Preparing for an Event

Take the following actions whenever a potential adverse operating condition exists:

<table>
<thead>
<tr>
<th>CAISO System Operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Notify the CAISO Shift Manager of potential event.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAISO Shift Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. In collaboration with System Operators and appropriate personnel,</td>
</tr>
<tr>
<td>• Assess the potential risk to the CAISO Controlled Grid and the BES based on the information available.</td>
</tr>
<tr>
<td>• During the assessment,</td>
</tr>
<tr>
<td>o Consider the following:</td>
</tr>
<tr>
<td>- Lines or equipment that may be threatened</td>
</tr>
<tr>
<td>- Location impacted</td>
</tr>
<tr>
<td>- Estimated time the event will occur</td>
</tr>
<tr>
<td>- Ability to sustain the loss / recover</td>
</tr>
</tbody>
</table>
2. Communicate notifications as needed, as outlined in Section 3.2. Note: All notifications of a Significant Event must also be reported to the Reliability Coordinator and affected parties.¹

3. Prepare for credible BES failures identified in the risk evaluation or in response to a request or Operating Instruction by the Reliability Coordinator.

4. Monitor available information regarding the status of the event and

5. Continue to evaluate the risk and

6. Take appropriate actions as needed.

7. Direct System Operators to take mitigation actions as needed.

8. Refer to CAISO Operating Procedure 4420B Emergency Guide, and other area specific procedures as needed.

3.1.1. Additional Preparation for Natural Disasters and Extreme Weather Events

In addition, perform the following actions in preparation for or in response to fire, flood, earthquake, tsunami or any other potential natural disaster:

3.1.1.1. Fires

CAISO System Operator

In the event of a fire that is a potential threat to the BES:

1. Gather the following information, if possible:
   • Name of fire
   • Location (include city or county, nearest streets, roads or highways, USGS coordinates, as possible)
   • Estimated size (in acres) of fire
   • Direction fire is burning
   • Approximate wind conditions
   • Fuel source (grass, brush, timber, etc.)
   • Agencies responding or already on scene
   • Facilities involved or threatened
   • Distance fire is from facilities
   • Estimated containment time
   • First report or an update

¹ EOP-011-2 R1.2.1, R2.2.1
2. When communicating with Cal Fire, PTOs, and any other entity providing information regarding major facilities (500 kV, 230 kV, or radial fed generating stations or substations),
   - **Provide** all known information, and
   - **Communicate** any additional information, in a timely manner.
3. If a fire is burning in the vicinity of lines or facilities, but is **not** an immediate threat to an element of the BES:
   - **Continue** to monitor, assess conditions, and plan accordingly.
   - **Provide** updates as needed until the fire is considered contained or is no longer burning in the vicinity of the lines or facilities.
4. If a fire is burning in the vicinity of lines or facilities, and it is an immediate threat to an element of the BES,
   - **Consider** floating the lines to prepare for losses and/or path derates.
5. If a fire is burning in the vicinity of lines or facilities from one of our Adjacent Balancing Authorities or PTO’s,
   - **Ensure** Cal Fire is aware of the fire and is in contact with the appropriate entity or the lead regional/state/federal agency.

### 3.1.1.2. Flooding

**CAISO Shift Manager Desk**

In case of potential flooding:

1. **Calculate** the total generation capacity and estimate the amount of load that may be impacted by the flood in the watch/warning area.
2. **Consider** committing additional generation resources (outside the flood area) in the event generation in flood area is forced off line.
3. **Gather** the following information, if possible:
   - Area affected by the flooding
   - Expected duration of flooding
   - Expected long term damage caused by the flooding
   - Plan of action to mitigate damage
   - Assisting outside agencies
3.1.1.3. Earthquake

*Note:* Although earthquakes are for the most part unpredictable, the CAISO System Operator should prepare for aftershocks. It is highly likely that following an earthquake of a magnitude greater than 5.0 in or near a population center, some areas may be experiencing various levels of Emergency Operation.

**CAISO Shift Manager Desk**

In case of earthquake:

1. **Gather** the following information, if possible:
   - Condition of the BES
   - Damage to the BES caused by the earthquake
   - Units available for dispatch ETR (Estimated Time to Return) for generation tripped or forced offline Stations being manned
   - Preparation for aftershocks

3.1.1.4. Tsunami

*Note:* The CAISO relies on facility owners to perform tsunami risk analysis of their assets and communicate their plan of action back to the CAISO.

**CAISO Shift Manager Desk**

In case of Tsunami warning:

1. **Gather** the following information, if possible:
   - Expected time the tsunami will arrive
   - Facilities being removed from service or de-rated
   - Efforts to mitigate damage
   - Expected long term damage
3.1.1.5. Extreme Weather Events

**Note:** There were no notable events when cold weather had significantly restricted the generation in CAISO Controlled Grid.

### CAISO Shift Manager Desk

**In case of extreme cold weather:**

1. **Gather** the following information, if possible:
   - Expected time the of the extreme cold weather start and duration
   - Facilities being affected removed from service or de-rated

2. **Consider**
   - actions to minimize generation outages
   - declaring restricted maintenance operations
   - potential gas supply issues and coordination

3.1.2. Events that Require Notification from PTO, UDC, MSS, SUDC

Take the following actions for events that require notification to the CAISO:

<table>
<thead>
<tr>
<th>Metered Sub System (MSS), Participating Transmission Owner (PTO), Small Utility Distribution Company (SUDC), Utility Distribution Company (UDC)</th>
<th>Time Frame for Reporting</th>
</tr>
</thead>
</table>
| 1. **Notify** the CAISO Transmission Dispatcher by telephone of:  
   - Any event, which requires an OE-417 or EOP-004 report to be filed. ² Refer to CAISO Operating Procedure attachment 4110A DOE, NERC and WECC Significant Event Reporting Requirements. | As soon as practicable - within no longer than one (1) hour |

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² Refer to the DOE website [https://www.oe.netl.doe.gov/oe417.aspx](https://www.oe.netl.doe.gov/oe417.aspx) and NERC requirements for EOP-004-4.
3.1.3. Events that Require Notification from Participating Generators

Take the following actions to notify the CAISO of events:

<table>
<thead>
<tr>
<th>Scheduling Coordinator (SC), Participating Generator (PG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. <strong>Notify</strong> the CAISO Generation Desk by telephone of:</td>
</tr>
<tr>
<td>• Any event that results in damage or destruction to a generation Facility or adversely impacts the health and safety of personnel.</td>
</tr>
<tr>
<td>• Fuel supply emergencies.</td>
</tr>
<tr>
<td>• Physical threats to a BES Control Center.</td>
</tr>
<tr>
<td>• Communications cannot be established with the respective SC.</td>
</tr>
<tr>
<td>• The system frequency decays to 59.5 Hz, with no immediate recovery, as indicated by charts, frequency alarms, or Automatic Generation Control.</td>
</tr>
<tr>
<td>• Changes to the status of AVRs or PSSs.</td>
</tr>
<tr>
<td>• A change in Schedules and/or services will be required.</td>
</tr>
</tbody>
</table>

**Fuel Supply Emergencies:**

2. If an existing, immediate or anticipated fuel supply emergency threatens a plant’s ability to run at full capacity,
   • **Notify** the CAISO Generation Desk by telephone.

3. **Refer** to CAISO Operating Procedure [4120 Gas Transmission Pipeline System Limitations or Outages](#).

4. **Include** as appropriate:
   • Fuel inventories.
   • Hydro project water storage levels that are less than expected and that may limit the output of the plant.
   • Emergency Generation that requires abnormal use of fuel with the potential to reduce supply or stocks to a level that may threaten the reliability or adequacy of electric service.
   • Expected duration of fuel supply emergency, if known.
   • Cause of the fuel supply emergency, if known.
   • Units affected by the fuel supply emergency.

**Other Conditions Requiring Reports/Notifications:**

5. If conditions exist or Significant Events occur that threaten grid reliability or may cause interest and/or action by the CAISO,
   • **Notify** the CAISO Generation Dispatcher by telephone.
3.2. Events that Require Notification to the ERC

The CAISO Shift Manager shall notify the Operations Emergency Response Coordinator (ERC) regarding any potential or actual occurrences of the events listed below:

**Events that Require ERC Notification:**

1. System Emergency declaration or anticipated declaration.
2. Any event that require filing a DOE OE-417 or NERC Event Report. Refer to CAISO Operating Procedure 4110A DOE, NERC and WECC Significant Event Reporting Requirements, for a listing of events that require a report and identification of the entities responsible for submitting each type of report.
3. Loss of firm Load: A major Outage* or the possibility of a major Outage within a system served by CAISO Controlled Grid facilities.
4. External EOC activation: An IOU or an adjacent BA or TOP activates their EOC.
5. Emergency or Significant Event at a California Nuclear Generating Station.
6. Emergency proclaimed by the Governor and/or coordinated by California State Warning Center (Cal OES) or the CEC.
7. Natural events or disasters that may threaten the operation of the CAISO Controlled Grid or may cause a major Outage to CAISO controlled grid facilities or adjacent BA’s.
8. Application failures that threaten or cause a disruption to grid reliability, control room performance or markets.
9. Any condition that threatens or causes harm to life, property or resources within the CAISO BAA or causes interest and/or remedial action by the state agencies, public safety agencies, or other select organizations.
10. Any event which although it does not meet the criteria 1-9, may attract news media coverage.
11. Any other events as determined by the CAISO Shift Manager.
12. Flex Alerts.
13. EEA 1, 2, and 3.

**Note**: Major Outage: Consistent with Public Utilities Code Section 349, a Major Outage occurs when at least ten (10) percent of the serviceable customers of the entity providing the local distribution service (i.e., Utility distribution Company (UDC) experience a simultaneous, non-momentary interruption of service. For UDCs with fewer than 150,000 customers within California, a Major Outage occurs when fifty (50) percent of the UDC’s serviceable customers within California experience a simultaneous, non-momentary interruption of service.
3.2.1. ERC Communications

When an ERC is called, the event that was reported could trigger the ERC requirement to contact one or more internal and external contacts. CAISO Operating Procedure 4110C Emergency Response Coordinator Checklist contains information regarding who to call and the reporting requirements.

3.2.2. Event Reporting to NERC, DOE and Other External Parties

The CAISO has established a corporate incident management response process to manage operating events that require reporting to agencies such as NERC, DOE, WECC, law enforcement, and other state and federal agencies. A team of support personnel for Real-Time Operations that includes the ERC, PIO, Government Affairs, CAISO Officers and Incident commander have been designated to help manage reporting and communications with external agencies.

1. **Discuss** with ERC to determine whether the event requires a DOE or a NERC Event Report and, if so, which entity(ies) are responsible for filing.

   **Note:** Refer to CAISO Operating Procedure 4110A DOE, NERC and WECC Significant Event Reporting Requirements.

2. **Request** the ERC to coordinate the completion and submittal of a DOE OE-417 report or a NERC Event Report within the required timeframe.

   **Note:** If an ERC is unavailable, place a phone call to the DOE to verbally report the event using the appropriate telephone number provided in CAISO Operating Procedure 4110D ERC External Emergency Contacts; or if time permits, submit the required form, following the steps below.
CAISO Emergency Response Coordinator (ERC)

For DOE OE-417 Reports:

1. **Complete** preliminary DOE Form OE-417 within the required timeframe.
2. **Consider** requesting the CAISO Shift Manager, ERC or a System Operations Director to review the form before submission.
3. **Submit** preliminary DOE OE-417 Form within the required timeframe via email using the distribution list called “DOE NERC Event Reporting”.
4. **Refer** to CAISO Operating Procedure 4110A DOE, NERC and WECC Significant Event Reporting Requirements.
5. **Call** the appropriate contacts (see CAISO Operating Procedures 4110C Emergency Response Coordinator Checklist and 4110D ERC External Emergency Contacts), and **provide** a description of the circumstances surrounding the event and a summary of the current efforts.

For Events that Require only a NERC Event Report:

1. **Verify** that the event does not require a DOE OE-417 report but requires a NERC Event Report.
   - **Refer** to CAISO Operating Procedure 4110A DOE, NERC and WECC Significant Event Reporting Requirements.
2. If only a NERC Event Report is needed,
   - **Complete** and
   - **Submit** NERC Event Report form via email using the distribution list called “DOE NERC Event Reporting”.
3. If the event qualifies for both a NERC Disturbance Report and a DOE OE-417 report, also **complete** and **submit** DOE OE-417 report.
4. **Prepare** and **submit** follow up and/or final reports as appropriate or requested with the original submission organization and within the prescribed timeframe.
5. **Make** follow-up phone calls as necessary.
6. **Refer** to CAISO Operating Procedure 4110C Emergency Response Coordinator Checklist and 4110D ERC External Emergency Contacts.

3.2.3. ERC, JIC Lead, PIO, Government Affairs, CAISO Officers Notifications and CAISO Incident Commander

Take the following actions upon notification of an event:

CAISO Emergency Response Coordinator (ERC)

1. **Determine** required notifications.
2. **Refer** to CAISO Operating Procedure 4110C Emergency Response Coordinator Checklist.
CAISO Emergency Response Coordinator (ERC)

3. **Contact and update:**
   - Director, Real-Time Operations
   - "On-Call" External Affairs JIC Lead listed in the ERC site [https://teams.oa.caiso.com/ERC/default.aspx](https://teams.oa.caiso.com/ERC/default.aspx)
   - “Real-Time Events” email distribution list –Send email with information regarding the event (Includes CAISO Officers, Communications Director, Government Affairs Director, Incident Commander and other internal contacts).
   - In addition, send a text message to External Affairs JIC Lead, Incident Commander and others as needed for a heads up to ‘see email’ for more details.

4. **Determine** whether the DOC needs to be setup.

5. **Make** required notifications as directed by the ERC and CAISO Operating Procedures 4110C Emergency Response Coordinator Checklist and 4110D ERC External Emergency Contacts.

6. **Request** additional assistance from ERCs, as required.

CAISO External Affairs Joint Information Center (JIC) Lead

1. **Maintains** close communication with the ERC for the duration of the event.
2. **Coordinate** with PIO, Government Affairs and ERC to gather information and develop talking points and other communications.

**Note:** If the corporate incident command management and response process has been activated, the approval of all communications should be obtained through the Incident Commander and not the ERC/JIC.

**Note:** If the JIC Lead determines SC’s and Market Participants need to be notified the client representatives will notify via email or coordinate an MNS message with the floor.

CAISO Public Information Officer (PIO)

1. **Coordinate** with JIC Lead and Government Affairs to approve and release public communications regarding the system event, including press statements.
2. **Coordinate** with the PIO’s at the Utilities, Media and relevant agencies.

CAISO Government Affairs

1. **Coordinate** with JIC Lead and PIO to coordinate communications release with government or elected officials as appropriate to the event.
4. Supporting Information

Operationally Affected Parties

Shared with the Public.

References

Resources studied in the development of this procedure and that may have an effect upon some steps taken herein include but are not limited to:

<table>
<thead>
<tr>
<th>CAISO Tariff</th>
<th>Tariff Section 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAISO Operating Procedure</td>
<td></td>
</tr>
<tr>
<td>NERC Requirements</td>
<td>EOP-011 R1, R2</td>
</tr>
<tr>
<td></td>
<td>IRO-001-4 R2</td>
</tr>
<tr>
<td></td>
<td>EOP-004-4 R1 - R3</td>
</tr>
<tr>
<td>WECC Criterion</td>
<td></td>
</tr>
<tr>
<td>Other References</td>
<td>CAISO Corporate Incident Management Plan - <a href="#">Incident Management Plan</a></td>
</tr>
<tr>
<td></td>
<td>CAISO ERC site - <a href="https://teams.oa.caiso.com/ERC/default.aspx">https://teams.oa.caiso.com/ERC/default.aspx</a></td>
</tr>
<tr>
<td></td>
<td>U.S. Department of Energy Form DOE-417 Electric Emergency Incident and Disturbance Report</td>
</tr>
</tbody>
</table>
Definitions

Unless the context otherwise indicates, any word or expression defined in the Master Definitions Supplement to the CAISO Tariff shall have that meaning when capitalized in this Operating Procedure.

The following additional terms are capitalized in this Operating Procedure when used as defined below:

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGC</td>
<td>Automatic Generation Control</td>
</tr>
<tr>
<td>AVR</td>
<td>Automatic Voltage Regulator</td>
</tr>
<tr>
<td>BES</td>
<td>Bulk Electric System</td>
</tr>
<tr>
<td>CAISO</td>
<td>California Independent System Operator Corporation</td>
</tr>
<tr>
<td>CalOES</td>
<td>California Governor’s Office of Emergency Services</td>
</tr>
<tr>
<td>DOC</td>
<td>Department Operations Center</td>
</tr>
<tr>
<td>DOE</td>
<td>Department of Energy</td>
</tr>
<tr>
<td>ERC</td>
<td>Emergency Response Coordinator</td>
</tr>
<tr>
<td>ETR</td>
<td>Estimated Time to Return</td>
</tr>
<tr>
<td>GMD</td>
<td>Geomagnetic Disturbance</td>
</tr>
<tr>
<td>ICS</td>
<td>Incident Command System</td>
</tr>
<tr>
<td>Major Outage</td>
<td>Loss of service affecting 50,000 or more or ten (10) percent, whichever is greater, of the customers served by the Distribution System of a UDC.</td>
</tr>
<tr>
<td>MSS</td>
<td>Metered Sub System</td>
</tr>
<tr>
<td>NERC</td>
<td>North American Electric Reliability Corporation</td>
</tr>
<tr>
<td>PG</td>
<td>Participating Generator</td>
</tr>
<tr>
<td>PIO</td>
<td>Public Information Officer</td>
</tr>
<tr>
<td>PSS</td>
<td>Power System Stabilizer</td>
</tr>
<tr>
<td>PTO</td>
<td>Participating TO or Participating Transmission Owner</td>
</tr>
<tr>
<td>Sabotage</td>
<td>Any deliberate attempt or suspected attempt to disrupt the electric delivery system and any of the components thereof, including, but not limited to protection systems, metering systems, Generation systems, buildings, and communication systems vital to the operation of CAISO or an CAISO supplier energy delivery system.</td>
</tr>
<tr>
<td>SC</td>
<td>Scheduling Coordinator</td>
</tr>
<tr>
<td>Significant Event</td>
<td>Any condition that threatens or causes harm to life, property or resources within the CAISO Balancing Authority Area or causes interest and/or remedial action by the CAISO, state agencies, public safety agencies, or other select organizations.</td>
</tr>
<tr>
<td>SUDC</td>
<td>Small Utility Distribution Company - annual peak is less than 25 MW and is not in a local reliability area</td>
</tr>
</tbody>
</table>
Operating Procedure

Procedure No. 4110
Version No. 10.2
Effective Date 4/01/2023

Operations Emergency Preparation Notifications and Reporting

Distribution Restriction: None

TOP  Transmission Operator
UDC  Utility Distribution Company
WECC  Western Electric Coordinating Council

Version History

<table>
<thead>
<tr>
<th>Version</th>
<th>Change</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.0</td>
<td>Section 3.1, Step 4: Removed reference to “directive” to Operating Instruction per IROL-001-4 R2 effective 4/1/2017. Updated formatting in Section 3.1. Replaced CAISO with ISO except when referencing the Tariff. Updated spelling and grammar. Changed DL email to DOE NERC Event Reporting.</td>
<td>4/01/17</td>
</tr>
<tr>
<td>9.0</td>
<td>Periodic Review: Updated Section 3.1.2 to reflect DOE OE-417 form changes. Minor clean up and clarifications throughout document.</td>
<td>7/12/18</td>
</tr>
<tr>
<td>9.1</td>
<td>Section 3.1.2: Removed all but first bullet for clarity and consistency and added detail to time frame for reporting. Section 3.1.3, Step 1: Removed 7th bullet (Prior to taking a unit off line or placing a unit on line), as it is no longer applies. Minor format and grammar updates.</td>
<td>1/31/19</td>
</tr>
<tr>
<td>9.2</td>
<td>Section 3.2, ISO Shift Manager Desk Task 3: Removed &quot;or Director of System Operations.&quot; Section 3.2.3, Task 3: Removed 2nd bullet for &quot;Executive Direct, System Operations.&quot; Minor format and grammar updates for consistency.</td>
<td>4/30/20</td>
</tr>
<tr>
<td>10.0</td>
<td>Periodic Review: Updated from ISO to CAISO throughout. Updated NERC EOP-004 references. Minor formatting and grammar updates.</td>
<td>10/28/21</td>
</tr>
<tr>
<td>10.1</td>
<td>Section 3.2: Replaced references to Alert, Warning and Staged Emergencies with EEA 1, 2, and 3. Updated procedure references, including removal of references to 4110F and 4110G as they were both retired on 2/10/22. Removed history prior to five years.</td>
<td>5/01/22</td>
</tr>
<tr>
<td>10.2</td>
<td>Added extreme weather notifications and changed references for EOP-011.</td>
<td>4/01/23</td>
</tr>
</tbody>
</table>
5. Periodic Review Procedure

Review Criteria & Incorporation of Changes

There are no specific criteria for reviewing or changing this document, follow instructions in CAISO Operating Procedure 5510.

Frequency

Every three (3) Years.

Appendix

4110A DOE, NERC and WECC Significant Event Reporting Requirements
4110C Emergency Response Coordinator Checklist
4110D ERC External Emergency Contacts