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|--------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------|----------|
|  <b>California ISO</b> | <b>Reliability<br/>Coordinator<br/>Procedure</b> | <b>Procedure No.</b>                      | RC650    |
|                                                                                                        |                                                  | <b>Version No.</b>                        | 1.0      |
|                                                                                                        |                                                  | <b>Effective Date</b>                     | 7/1/2019 |
| <b>Steady-State and Dynamic System Model<br/>Validation: NERC MOD-033-1</b>                            |                                                  | <b>Distribution Restriction:<br/>None</b> |          |

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## 1. Purpose

This document defines the process to provide actual system behavior data (or a written response when the CAISO RC does not have the requested data) to any Planning Coordinator performing validation under NERC Reliability Standard MOD-033-1, R2.


## 2. Introduction

NERC Reliability Standard MOD-033-1 (Steady-State and Dynamic System Model Validation) was created to establish consistent validation requirements to facilitate the collection of accurate data and building of planning models to analyze the reliability of the interconnected transmission system.

## 3. System Behavior Data

The CAISO RC collaborates with the System Model Validation Task Force to select at least two disturbance events annually for disturbance case development and to obtain system behavior data. This data includes: State Estimator cases and measurement data are available for each event as well as WECC-prepared planning model base cases and dynamic data for

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the selected events. The system behavior data is posted in the MOD-33 Library at the CAISO RC Portal for Planning Coordinator’s use when performing model validation.

Planning Coordinators that do not have access to the MOD-33 Library or those that desire system behavior data other than what is available on the secure site shall provide a written request for system behavior data to the CAISO RC via CIDI system. The CAISO RC will provide the actual system behavior data or a written response that it does not have the requested data to the requesting Planning Coordinator within 30 calendar days of the written request.

## 4. Roles and Responsibilities

The following table provides the roles and responsibilities associated with MOD-033-1.

| Responsible Person                  | Req. No.      | Responsibility                                                                                                                                                                                                                                                                         |
|-------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PC                                  | MOD-033-1, R1 | Request system behavior data from the CAISO RC as needed to perform a documented data validation process.                                                                                                                                                                              |
| CAISO RC Operation Engineering Team | MOD-033-1, R2 | <ul style="list-style-type: none"> <li>Review this process document annually for updates or as revisions are identified.</li> <li>Respond to data requests from PCs through the CAISO CIDI system.</li> <li>Post system behavior data on the secure site of MOD-33 Library.</li> </ul> |


## 5. Supporting Information

### Operationally Affected Parties

Shared with Public.

### References

|                            |                   |
|----------------------------|-------------------|
| NERC Requirements          | MOD-033-1, R1, R2 |
| BA/TOP Operating Procedure |                   |

|                                                                                                        |                                                  |                                           |          |
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|                  |  |
|------------------|--|
| Other References |  |
|------------------|--|

### Definitions

The following terms capitalized in this Operating Procedure are in accordance with the NERC Glossary, and/or otherwise when used are as defined below:

| Term | Description |
|------|-------------|
|      |             |
|      |             |

### Version History

| Version | Change                          | Date    |
|---------|---------------------------------|---------|
| 1.0     | Approved by Steering Committee. | 3/12/19 |
|         |                                 |         |

## 6. Periodic Review Procedure

### Review Criteria & Incorporation of Changes

There are no specific review criteria identified for this document.

### Frequency

Review annually for updates or as revisions are identified.

## Appendix

No references at this time.