Generation Desk Logging

1. Purpose

Provides guidelines for the different logging scenarios used by the Generation Dispatcher.

**Caution:** Since Settlements reconciles and/or is supported by data from these entries, accurate and detailed log entries are critical. Discrepancies between log entries and the records of the other entities result in disputed settlement data.

2. Generation Logging Types

The following table represents Generation Desk-specific logging types and their descriptions. Refer to Figure 1 for a sample log for the Generation Desk.

**Note:** These logs are subject to change and may not be consistent with current SLIC log titles.

<table>
<thead>
<tr>
<th>Log Title</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS Non-Compliance</td>
<td>Log any manual CAISO instruction or CAISO system problem, which prevent a unit from delivering its Scheduled AS commodity. Send AS Compliance log to: <a href="mailto:ASNotifications@caiso.com">ASNotifications@caiso.com</a> for evaluation.</td>
</tr>
</tbody>
</table>
| EDE Instructions for Generators / Correction-96 Hour | - Log all manual dispatches that require changes in the data once they are out of the Generation Desk control.  
  - Log all Exceptional Dispatches for Legacy RMR Condition units. |
| Frequency Disturbance (Instantaneous Change)   | Log all frequency deviations in which the change in frequency occurs in < 5 minutes and ACE x ΔHz ≤ -50. Include the cause of the deviation. |
| Frequency Excursion (Gradual Change)           | Log all frequency deviations in which the change in frequency occurs in > 5 minutes and ACE x ΔHz ≤ -50. Include the cause of the deviation. |
| Generating Unit Relay Operation                | Log all generator relays when actual output of the unit is above 50 MWs.                                                             |
| Generation Notes                               | Log events that may affect the normal performance of the Generation desk and cannot be logged in any other generation desk log.  
  **Note:** Mainly used to support further research and operational audits. |
### Log Title | Purpose
--- | ---
Load Forecast Accuracy | This log should be used when the load forecast accuracy error is great enough to contact the Short Term Forecasting group due to deviation.
Load Shedding | Log load shedding requests regarding the CAISO grid.
Manual Assignment of Ancillary Services | Use this log when a manual assignment of AS is performed in real-time that did not go through the market process.
  
**Note:** If an RMR unit is assigned AS in real-time, email isopostprocessgroup@caiso.com.
  
**Note:** If the Oakland units are assigned AS in real-time, also email DMG_Generation_Control1@vistraenergy.com.
OR Event | Log when Operating Reserves (ORs) requirements are not met. There are three choices for deficiency:
  
1. The actual ORs were lower than the requirement.
2. The Spinning Reserves did not account for at least 50% of the total.
3. Both of these conditions occurred.

Select one of four possible dispatch reasons that reserves were dispatched:
  
1. Meet supply requirements for load variations.
2. Replace generating capacity and energy lost due to forced outages of generation or transmission equipment.
3. Meet on-demand obligations.
4. Replace energy lost due to curtailment of interruptible imports.

Ensure the following information is included in the SLIC log:
  
- The hour the OR requirement was not met (a separate log for each hour if ORs were not met in more than one hour).
- Deficiency reason.
- Event date and time.
- Recovery time.
- Whether or not Operating Reserves were dispatched (via drop down).
- Reason ORs were dispatched.
- OR requirement in MW.
- OR actual in MW.
- Percentage of ORs that are Spinning Reserves at the time of deficiency.
## Generation Desk Logging

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| Other Compliance Issues         | • Log any manual CAISO instruction or CAISO system problem that causes a unit to incur Uninstructed Deviation Penalty (UDP) or the Metered Subsystem (MSS) Deviation Penalty.  
  • Log items that may be a violation according to the Enforcement Protocol Non-AS compliance issues, questionable bids. |
| Potential Balancing Contingency Event | Log any loss of resources that you suspect may meet the BCE threshold. This includes multiple resources lost in the same minute, loss of intertie, or sudden drop of renewables. Use this log whether or not you are certain that the threshold was exceeded. |
| Real-Time Over-Generation       | Log all Dispatch decisions, declarations, announcements, and orders, supported with reasons and data.                                    |
| Regulatory Non-Compliance       | Log any manual CAISO instruction or CAISO system problem that would prevent a unit from providing its scheduled Regulation.           |
| RMR AS Instructions             | Log Real-Time Reliability Must Run (RMR) AS dispatch.                                                                                |
| Voltage Mitigation              | Log abnormal Voltage Mitigation situations using a Generator only if the exceptional dispatch tool is not used.                        |

### 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:

- CAISO Tariff
- CAISO Operating Procedure
- NERC Requirements
- WECC Criterion
- Other References
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:

None.

Version History

<table>
<thead>
<tr>
<th>Version</th>
<th>Change</th>
<th>Date</th>
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<tbody>
<tr>
<td>6.5</td>
<td>Section 1.2: Updated Frequency logging information. Formatting and grammar corrections.</td>
<td>2/06/18</td>
</tr>
</tbody>
</table>
| 7.0     | Periodic Review: Section 2: Reorganized Logging Types table by Log Title alphabetically. Removed outdated items no longer utilized and included new ones that are.  
Removed Sections 3 and 4, as they apply to Transmission Desk and better suited in procedure 5210A.  
Removed Technical Review Section for consistency.  
Minor format and grammar updates.                                                                 | 8/28/20  |
| 7.1     | Periodic Review: Section 2: Removed second bullet (Log all Exceptional Dispatches sent via ADS) from EDE Instructions for Generators, as this is no longer applicable.  
Updated instances of ISO to CAISO and removed history prior to five years.                                                                 | 11/09/23 |