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Purpose

Provides guidelines for responding to a failure of the Day-Ahead Market (DAM) process, Day-Ahead Resource Sufficiency Evaluation process, critical supporting applications to the Day-Ahead Market (SIBR, CMRI, OMS, etc.), holding the Day-Ahead Market open, Day-Ahead Market late publishing, or a suspension of the Day-Ahead Market.

1. Responsibilities

Market Operator	• California ISO (CAISO) Organization acting as the Market Operator • Determines when Day-Ahead Market Suspension and Intervention is appropriate. • Determines the criteria for holding and/or reopening the Day-Ahead Market in response to Day-Ahead Market-related application failures.
Day-Ahead Market Operator	• Monitors Day-Ahead Market software for proper operations and results. • Initiates action to resolve Day-Ahead Market process failures or related application issues. • Sends Market Notification System (MNS) messages as required. • Holds and/or reopens the Day-Ahead Market, as necessary. • Logs any delay of Day-Ahead Market close and the final close time of the Day-Ahead Market.
Extended Day-Ahead Market (EDAM) Balancing Authority Area (BAA)	• Monitors the MNS and the Customer Market Results Interface (CMRI) • Takes necessary actions based on MNS messages in a timely manner
CAISO Critical Systems Support (CSS)	• Provide technical support in the event of failure of the Day-Ahead Market processes or supporting applications.
CAISO Market Engineering Services (MES)	• Provide technical support in the event of failure of the Day-Ahead Market processes or supporting applications.

2. Scope/Applicability

2.1. Background

The Day-Ahead Market may experience disruptions, which may result in DA-Resource Sufficiency Evaluations (RSE) Advisory process failure, delay of Day-Ahead Market closing, late publishing of Day-Ahead Market results, or failure to produce Day-Ahead Market results. The decision to hold the Day-Ahead market is based upon numerous factors. The following procedure details provide guidance and consistency in the process of holding the Day-Ahead market open. Note that when the Day -Ahead market is held open bidding is available to all market participants, not only the participants impacted by the system failure. For the purposes of this procedure, the decision by the Market Operator to re-open the Day-Ahead Market after 10:00 PPT shall be interchangeable with holding the Day-Ahead Market open.

For equal opportunity for all Scheduling Coordinators to bid fairly into the Day-Ahead Market, any interruption to CAISO computer systems or inability to access CAISO systems especially in the timeframe immediately prior to 10:00 PPT, the Market Operator may hold open the Day-Ahead Market consistent with Tariff Section 31.6.1 Criteria for Temporary Waiver of Timing Requirements. This criterion may also be utilized to hold the market open in cases where the absence or correctness of such bids may endanger the successful completion of the Day-Ahead Market.

The same general principle applies to EDAM BAAs and their reliance on the Day-Ahead Resource Sufficiency Evaluation Advisory results to assess their bidding sufficiency in the Day-Ahead Market. To fulfill its responsibilities, the Market Operator provides at least one valid DA-RSE Advisory run with sufficient time to modify bids prior to the closing of the Day-Ahead Market. For equal opportunity for all Scheduling Coordinators to bid fairly into the Day-Ahead Market, the Market Operator may hold the Day-Ahead Market open if necessary to allow EDAM BAAs to review advisory RSE results consistent with Tariff Section 31.6.1 Criteria for Temporary Waiver of Timing Requirements.

In the event of a Day-Ahead Market failure, market results will be applied in accordance with CAISO Tariff Section 31.6.3 and/or 33.7.4 and Extended Day-Ahead Market Business Practice Manual (BPM), Section 3.2.

In the event of a Day-Ahead Market suspension, Administrative Prices will be applied in accordance with Tariff Section 7.7.9(b) and 7.7.9(e).

2.2. Scope/ Applicability

This procedure is applicable when any process or critical supporting application of the Day-Ahead Market fails, or when the Market Operator suspends the Day-Ahead Market.

2.3. Market Participant Expectations

In the event of a Day-Ahead Market Failure, every Market Participant or EDAM BAA should be able to receive Market Notification System (MNS) messages and be able to follow directions given to them by the Market Operator in the specified timeframe.

3. Procedure Detail

3.1. DA-RSE Advisory Processing and Failure

The following provides information about DA-RSE Advisory timelines and processing and guidance for DA-RSE Advisory process failures:

- DA-RSE Advisory runs are initiated twice per hour, at approximately 1 minute and 31 minutes after the hour between 06:00 and 10:00 (final run at 09:31).
- DA-RSE Advisory runs are dependent on updated bid data from Scheduling Infrastructure and Business Rules (SIBR), outage data from the Outage Management System (OMS), Variable Energy Resource (VER) forecast data, and load forecast data.
- Load forecast data and Imbalance Reserve requirements are not updated after 09:00 to allow the EDAM BAAs a fixed target for passing DA-RSE.
    - At least one valid DA-RSE advisory run (post-09:00 PPT) shall be published with the final requirements as well as review time for the submission of bids,

Note: *This section refers only to the failure of the DA-RSE process, not to the failure of any individual EDAM BAA to meet their DA-RSE requirements.*

Day-Ahead Market Operator
1. If DA-RSE Advisory run fails or necessary payload data is not received prior to the 09:01 run: • **Escalate** the issue to the appropriate IT support staff. • If possible, the Day-Ahead Market Operator **shall manually execute** DA-RSE. 2. If DA-RSE Advisory run fails or necessary payload data is not received for both the 09:01 and 09:31 runs: • **Escalate** the issue to the appropriate IT support staff.

Day-Ahead Market Operator
• **Send** the following message via MNS: "Post 09:00 *DA-RSE Advisory runs have failed to process. The Market Operator has escalated the issue, and a resolution is currently underway. If a delay to the closing of the Day-Ahead Market is necessary, a follow up message with details will be sent prior to 10:00 PPT. Refer to Market Operator Procedure MO1710"* • **Attempt to manually execute** DA-RSE in coordination with IT support staff. • If the issue is resolved and valid DA-RSE advisory results are posted to CMRI with adequate time for review (approximately 09:45 PPT): o **Send** the following message via MNS: "*DA-RSE Advisory runs have resumed per BPM schedule. The Market Operator shall close the Day-Ahead Market at 10:00 PPT."* o **Close** the Day-Ahead Market as normally scheduled. • If the issue is <u>not</u> resolved by approximately 09:45 PPT, **proceed** to Step 3. 3. Holding the Day-Ahead Market for DA-RSE Advisory Failures: • If valid DA-RSE Advisory results are not provided on CMRI with adequate review time, targeted at 15 minutes, the Day-Ahead Market Operator **shall manually hold** the closure of the Day-Ahead Market to allow for the EDAM BAAs to evaluate their results and adjust bids accordingly. • **Set** the SIBR Day-Ahead Market close process to "Manual." • **Send** an MNS message that Day-Ahead Market close will be delayed until further notice. 4. When the cause of the DA-RSE Advisory failure is resolved or the impacted Primary System is restored: • **Execute** a manual run of DA-RSE in coordination with CAISO support teams and validate results. • **Send** an MNS message to review DA-RSE Advisory results in CMRI. • **Send** an MNS message of the final scheduled Day-Ahead Market close. ***Note:*** *The Day-Ahead Market close time will target at least 15 minutes to review DA-RSE Advisory results on CMRI and modify bids.* • **Close** Day-Ahead Market bidding according to the posted MNS timeline. 5. **Log** details of the failure, including actual Day-Ahead Market close time if applicable.

EDAM BAA / Scheduling Coordinator
1. **Monitor** MNS for any messages that may give instructions to the EDAM BAAs regarding the Day-Ahead Market close or DA-RSE Advisory failures. 2. **Monitor** CMRI for DA-RSE Advisory results. 3. **Prepare to update** Day-Ahead Market bids on a shortened timeline if necessary due to critical (09:01 or 09:31 PPT) DA-RSE Advisory run failure or delayed Day-Ahead Market close.

3.2. Primary System Failure

Primary Systems supporting the Day-Ahead Market include SIBR, CMRI, Open Access Same Time Information System (OASIS), Existing Transmission Contract (ETC), and OMS. If there is a failure of a Primary System that provides necessary inputs to the Day-Ahead Market or necessary information to Scheduling Coordinators or EDAM BAAs, the Day-Ahead Market close may be delayed at the discretion of the Market Operator.

Note: *The inability of an individual EDAM BAA or Scheduling Coordinator to access a Day-Ahead Market* ***Primary*** *System does not necessarily indicate a failure of that system and may not be cause to delay the closure of the Day-Ahead Market.*

Day-Ahead Market Operator
1. **Evaluate** any reported failure of the Day-Ahead Market Primary System in coordination with IT support staff. 2. For Primary System failures that occur between 09:00 - 10:00 PPT: • **Evaluate** the impact of the failure on the Day-Ahead Market inputs and DA-RSE Advisories. • **Determine** if a delay of the 10:00 PPT Day-Ahead Market close is necessary. • **Send** an MNS message **stating** that the Day-Ahead Market is delayed until further notice and include the impacted systems which are preventing Day-Ahead Market close. • **Set** the SIBR Day-Ahead Market close process to “Manual.” 3. When the impacted system is restored: • **Confirm** with impacted entities that system access has been restored. • **Send** an MNS message **notifying** of the new scheduled Day-Ahead Market close. ***Note:*** *Consider the time guidelines for DA-RSE Advisory failures in the above section when determining the new scheduled Day-Ahead Market close, targeting approximately 15 minutes to review DA-RSE results and modify bids.*

Day-Ahead Market Operator
• **Close** Day-Ahead Market bidding according to the posted MNS timeline. 4. **Log** details of the failure, including actual Day-Ahead Market close time if applicable.

EDAM BAA / Scheduling Coordinator
1. **Notify** the Day-Ahead Market Operator of any issues accessing or submitting data to Primary Systems prior to Day-Ahead Market close. 2. **Monitor** MNS for any messages that may give instructions to the EDAM Market BAAs and Scheduling Coordinators regarding the Day-Ahead Market close or DA-RSE Advisory failures. 3. **Monitor** CMRI for DA-RSE Advisory results. 4. **Prepare to update** Day-Ahead Market bids on a shortened timeline if necessary due to critical (09:01 or 09:31 PPT) DA-RSE Advisory failure or delayed Day-Ahead Market close.

3.3. Secondary System Failures

Secondary Systems are defined as peripheral systems, not critical to the execution of the Day-ahead Market. These include CAISO.com, Today's Outlook, email services, and any website or system provided by CAISO that does not directly provide necessary inputs to the Day-Ahead Market process. The failure of these systems in isolation is not a cause for delaying the Day-Ahead Market.

EDAM BAA / Scheduling Coordinators
1. **Contact** the Service Desk to **report** the failure of any secondary system.

Day-Ahead Market Operator
1. **Close** the Day-ahead Market at 10:00 PPT as scheduled.

3.4. Day-Ahead Market Input Validation

As discussed in the background section of this procedure, the Market Operator may hold open the Day-Ahead Market per Tariff Section 31.6.1 Criteria for Temporary Waiver of Timing Requirements due to invalid inputs that would prevent the completion of the Day-Ahead Market.

Note: *If the submitted or missing inputs would prevent the Day-Ahead Market from producing feasible results the Market Operator may implement an interruption of EDAM Entity participation in the Day-Ahead Market per CAISO Tariff Section 33.7.4.*

Day-Ahead Market Operator
1. **Identify** any missing or invalid inputs that may prevent a valid Day-Ahead Market solution from being completed. 2. **Set** the SIBR Day-Ahead Market close process to "Manual." 3. **Send** an MNS message **stating** that the Day-Ahead Market is delayed until further notice. 4. **Contact** the EDAM BAA or Scheduling Coordinator responsible for the missing or invalid input and **inform** them of the issue. 5. **Confirm** that a valid input has been submitted. 6. **Send** MNS messages **notifying** the new scheduled Day-Ahead Market close. 7. **Close** Day-Ahead Market bidding **according to** the posted MNS timeline. 8. **Log** details of the issue, **including** actual Day-Ahead Market close time if applicable.

EDAM BAA / Scheduling Coordinator
1. **Review** and **confirm** all Day-Ahead submissions are complete and accurate. 2. **Contact** the Market Operator should issues persist and cannot be resolved before the new scheduled Day-Ahead Market close.

3.5. Market Isolation

An EDAM BAA may request a Market Isolation from the Market Operator if they are unable to participate in the Day-Ahead Market. This may be due to operational emergencies, application, and communications issues. An EDAM BAA cannot declare itself in a market isolation unilaterally, only in coordination with the Market Operator.

EDAM BAA Operator
1. **Contact** the Market Operator and **request** a Market Isolation by 10:00 for D+1 of the Trade Date the isolation is in effect.. ***Note:*** *A Market Isolation for an EDAM BAA may only be requested for the next trade date and effective for all 24 hours.* 2. **Reduce** submitted EDAM transfer limits to zero prior to the close of the Day-Ahead Market for the Trade Date the isolation is in effect.

EDAM BAA Operator
Note: *The default value of Energy Transfer System Resources (ETSR) limits is zero if no submission is made.*

Market Operator
1. **Log** the Market Isolation in SLIC and **notify** the Market Validation team. 2. **Confirm** that the isolated EDAM BAA has 0 MW TSR limits input in the Day-Ahead Market after DAM Close. 3. **Validate** results of each DAM process to **ensure** that no TSR transfers are scheduled for the isolated EDAM BAA. 4. After the DA results have published, **send** an MNS message that the EDAM BAA isolated from the DA Market. • **Include** the Trade Date the isolation is in effect.

3.6. Day-Ahead Market Suspension and Intervention

In the case that the Day-Ahead Market is Suspended or is unable to produce results by 1800 PPT, Day-Ahead Market Operator will take the following actions to notify Market Participants of the state of the Day-Ahead Market.

Market Operator/Day-Ahead Market Operator
1. In the event Day-Ahead Market results have not been published by 1800: • **Determine** whether the Market Operator will be able to **publish** the Day-Ahead Market, or if it is feasible to **publish** the previous day's Day-Ahead Market results, or if it is necessary to **suspend** the publication of any Day-Ahead Market results. o If the Market Operator determines that Day-Ahead Market results will be published: ▪ The Day-Ahead Market Operator will **notify** Market Participants, via MNS, the intent to publish Day-Ahead Market results with the expected publication time. o If the Market Operator determines that the previous day's Day-Ahead Market results will be **published:** ▪ The Day-Ahead Market Operator will **notify** Market Participants, via MNS, the suspension of the Day-Ahead Market and the previous day's Day-Ahead Market results will be published, pursuant to Tariff Section 7.7.9(b)(1)(A). ▪ The Day-Ahead Market Operator shall **contact** MES and **instruct** them to publish the previous day's Day-Ahead Market results, except for virtual awards.

Market Operator/Day-Ahead Market Operator
o If the Market Operator determines the inability to publish any Day-Ahead Market results, but will instead request Market Participants to follow the previous day's Day-Ahead Market results, pursuant to Tariff Section 7.7.9(b)(1)(A): ▪ Day-Ahead Market Operator will **notify** Market Participants, **via** MNS, of the inability to publish any Day-Ahead Market results and **request** all Market Participants to follow the previous day's Day-Ahead Market results. o If the Market Operator determines **suspension** of the publication of any Day-Ahead Market results: ▪ Day-Ahead Market Operator will **notify** Market Participants, **via** MNS, there will be no publication of any Day-Ahead Market results due to the suspension of the Day-Ahead Market. EDAM participants, including the CAISO BA, will rely on the use of Exceptional/Manual Dispatch and other manual instructions and on the Real-Time Market results, pursuant to Tariff Section 7.7.9(b)(1)(B).

3.7. MNS Notice Templates

#	Issue	MNS Message Example
1	Initial Decision to Hold the Day-Ahead Market Open	Due to XXXX issues under investigation, the CAISO Day-Ahead Market will be held open until further notice for Trade Date XX/XX/XXXX. If any questions, contact the Day-Ahead Operator.
2	Confirmation of Decision to Close the Day-Ahead Market	The CAISO will close the Day-Ahead market at 11:00 PPT for Trade Date XX/XX/XXXX. If any questions, contact the Market Operator.
3	Confirmation of Decision to Close the Day-Ahead Market, with DA-RSE Advisory	The CAISO will be executing an Advisory DA-RSE run at 10:45 PPT. The CAISO will close the Day-Ahead market at 11:00 PPT for Trade Date XX/XX/XXXX. If any questions, contact the Market Operator.
4	No DA-RSE Advisory results are published with final requirements	Post 09:00 DA-RSE Advisory runs, which are critical because they are based on the finalized load forecasts, have failed. The CAISO Market Operator has escalated the issue, and a resolution is currently underway. If a delay to the closing of the Day-Ahead Market is necessary, a follow-up message with details will be sent prior to 10:00 PPT.
5	DA-RSE Advisory results are published, no delay to Day-Ahead Market close necessary	DA-RSE Advisory runs have resumed per BPM schedule. The CAISO Market Operator will close the Day-Ahead Market at 10:00 PPT.

3.8. Settlement Notification

To ensure proper Settlements for entities impacted by a Market Disruption it is important that specific actions and notifications are taken by both the Extended Day Ahead Market (EDAM) participant and the Market Operator. This provides the necessary actions for the EDAM participant and the Market Operator for the Settlements after the event.

3.9.1 EDAM Participant Action

The EDAM entity is required to submit a Customer Inquiry, Dispute, and Information (CIDI) ticket no later than two (2) business days following the market disruption. The submission must include the start date/time, end date/time, reason for the disruption, and the applicable administrative prices for the impacted intervals. This information is necessary to facilitate timely processing and inclusion of the associated prices in the settlement cycle. If price data is not available from the applicable price index at the time of submission of the CIDI ticket, the Market Participant must still submit the CIDI ticket within the required timeframe and provide the price data as it becomes available. To ensure the CAISO has adequate processing time, the EDAM Entity must submit final administrative prices by T+15B. If the EDAM Entity fails to submit the final price prior to T+15B or otherwise requests dispute or correction of the price after T+15B, then the CAISO will use the last good interval prices if the administrative prices are not received by T+20B deadline.

Failure to submit the required information within two business days may prevent the event from being reflected in the T+9B settlement statement.

Any dispute concerning administrative prices established under this section must be submitted within the applicable standard settlement dispute timelines.

3.9.2 Market Operator Action

Market Operator
1. **Log** the event details. 2. **Email** the Scheduling and Logging System for the ISO of California (SLIC) log to the following: • Market Validation and Quality Analysis - MarketValidationandQualityAnalysis@caiso.com; • MQS PROD - MQSPROD@caiso.com; • Price Correction Team - pricecorrectionteam@caiso.com; • Market Analysis - MarketAnalysis@caiso.com; • Customer Services - CustomerServices@caiso.com;

4. Supporting Information

Operationally Affected Parties

CAISO Public

References

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

CAISO Tariff	Sections 7.7.9(b), 7.7.9(e), 31.6.1, 31.6.3, 33.7.4
CAISO Operating Procedures	2530 Manual Dispatch on Interties 2720 Market Disruption - Western Energy Imbalance Market (WEIM) 2720B Market Disruption Settlements Notification
NERC Requirements	
WECC Criterion	
Other References	Extended Day-Ahead Market BPM

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

Version	Change	Date
1.0	New Market Operator procedure created and issued.	10/07/26

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

No references currently.