Table of Contents

Purpose **1**

1. Responsibilities 1
2. Scope/Applicability 2
   - 2.1. Background 2
   - 2.2. Scope/ Applicability 3
3. Procedure Detail 3
   - 3.1. Manual Dispatch of Interchange Transactions 3
   - 3.2. Manual Dispatch Interchange Accounting 4
   - 3.3. Manual Dispatch via an Intermediary Entity 6
   - 3.4. Manual Dispatch Transaction Records 6
4. Supporting Information 7

Operationally Affected Parties 7
References 7
Definitions 8
Version History 8

5. Periodic Review Procedure 9

Review Criteria & Incorporation of Changes 9
Frequency 9

Appendix **9**

Purpose

Provides guidelines to manually Dispatch and Schedule Energy on the interties in the event of an Hour-Ahead Scheduling Process (HASP) Market failure, critical application failures that affect HASP results, forecasting errors, and other reliability reasons that require a correction of Imbalance Energy for the next operating hour.

Additionally, this procedure outlines the necessary communication, processes, and documentation for Manual Dispatch (Energy or Capacity) of Intertie resources.

1. Responsibilities

Scheduling Coordinator (SC)	Submit Bids for Real-Time Energy imports/export Bids before the HASP deadline, which is 75 minutes prior to the start of the Operating Hour and monitor Automatic Dispatch System (ADS).
CAISO Market Operator	Determine the requirement for RT Energy and dispatches the associated RT and Capacity Energy Bids through ADS.

CAISO Generation Dispatcher	Approve the Dispatch from Real-Time Market (RTM) and communicates any changes to the Transmission Dispatcher.
CAISO Transmission Dispatcher	Confirm availability of Transfer Capability on the specific Intertie, manually dispatches Energy by calling the responsible SC and ensures that Market Awards are entered into the Interchange transaction scheduler, automatically or manually.
CAISO Manager, BA Operations	If the resources needed to maintain system reliability in a timely manner are not available through normal CAISO market procedures, the Manager of Balancing Authority (BA) Operations is authorized and required to direct CAISO Real-Time (RT) personnel to arrange Manual Dispatch through CAISO Bid List (Scheduling Infrastructure and Business Rules (SIBR)/Advanced Reporting and Monitoring Service (ARMS)).

2. Scope/Applicability

2.1. Background

The California ISO (CAISO) has the responsibility to maintain System Reliability and take immediate action to maintain or re-establish the required or necessary Operating Reserves. A Manual Dispatch on an Interconnection is used for procuring additional Energy or reducing excess Energy that was not awarded by the CAISO market. A Manual Dispatch can be used either in the event of a Supply deficiency event, an Overgeneration event, or in response to a HASP/RTM failure or other critical application failure that causes Imbalance Energy to affect reliability. The CAISO can buy from or sell to entities other than CAISO Market Participants during periods when the CAISO determines that it may not be able to maintain the Reserve Margin in future hours or resources in the CAISO Bid List (SIBR/ARMS) are insufficient. Any such purchases or sales must be settled consistently with procedures specified in the CAISO Tariff and the Business Practice Manuals (BPMs).

To reduce disputes, the CAISO Real-Time Operations personnel are responsible for clear communications of Manual Dispatch with SCs.

***Note**: Entering manually dispatched interties into the Real-Time Nodal (Market) (RTN) application satisfies logging requirements. A log entry will only be required if the requisite Resource ID, Transaction ID, is not in RTN and said resource is manually dispatched.*

2.2. Scope/ Applicability

This procedure applies to the Scheduling Coordinator responsible, the Market Operator, the CAISO Generation Dispatcher, the Transmission Dispatcher, and the CAISO Manager of BA Operations. If the Intertie resource has submitted a bid in the RTM market for the operating hour then it will be settled at 'bid or better' price, however the determination of whether the transaction is settled at the bid price or a better price is not determined by Real-Time operations. This process occurs as part of the settlements process.

3. Procedure Detail

3.1. Manual Dispatch of Interchange Transactions

The following describes the Manual Dispatch of Transactions utilizing Bids submitted in HASP that were not awarded in the HASP process and sent to ADS, in coordination with the responsible SC. This could be due to Market Disruption, Software Limitation, Transmission Outage, System Emergency (or prevention thereof), Overgeneration or Conditions beyond the control of the CAISO.

RTM Commodities Bid List

The Transmission Dispatcher secures the HASP/RTM commodities Bid list from ARMS. At a minimum, the display includes the following information:

- Price
- Tie point at which the Bid was submitted
- Responsible SC which submitted the RT Energy Bid
- Market ID for the Interchange transaction
- Stack Type (Increment or Decrement)
- MW value

***Note**: Typically, ADS Interchange Dispatch Instructions are automatically dispatched to SCs with awarded Energy Bids. However, in the event of a HASP Market Failure, it may be necessary to manually Dispatch HASP/RTM Market Bids from the commodities Bid list, if available in ARMS, and then enter the associated market awards into Interchange transaction scheduler.*

Take the following actions to issue a manual dispatch:

CAISO Generation Dispatcher, CAISO Manager of BA Operations
1. **Determine** the need for a manual dispatch on the CAISO Interties per CAISO Operating Procedures 2210 Real-Time Market Activities and 4420 System Emergency. 2. **Inform** the Transmission Dispatcher of the amount, Inc or Dec, and location.

CAISO Transmission Dispatcher
1. **Utilize**, whenever possible, as times allows resources in the CAISO Bid List (SIBR/ARMS) and **dispatch** these Intertie resources in merit order. 2. **Verify** there is available room on the selected intertie to ensure the energy, and any associated capacity can be delivered. 3. If the HASP/RTM fails or is not reliable for an hour: • **Use** the previous hour's bids. 4. If the HASP/RTM fails or is not reliable for multiple hours: • **Use** the last set of valid bids. 5. **Establish** with the entity clear verbal agreements **with** the following information: • Market ID • Accepted GOTO MWs • Hour-ending • Agreed up-on Price or state "Bid or Better"

3.2. Manual Dispatch Interchange Accounting

Take the following actions to create a market award in Interchange transaction scheduler and E-Tag the bi-lateral arrangements, as required by Manual Dispatch non-market Interchange accounting:

CAISO Transmission Dispatcher
1. **Request** the Scheduling Coordinator/Purchasing Selling Entity (PSE) to create an E-Tag.

Scheduling Coordinator (SC), Purchasing-Selling Entity (PSE)

1. **SC/PSE to submit** North American Electric Reliability Corporation (NERC) E-Tags to match the manual dispatch.
   - If a Resource ID was used for the manual dispatch: **Include** the following in the MISC field of the E-Tag Physical Path:

Token	Value
CAISO_CONTRACT	"NONE" for Market Transmission
CAISO_PRODUCT	"ENGY"
CAISO_RES_ID	Resource ID as registered in the CAISO Master File

2. If a Transaction ID was used for the manual dispatch:
   - **Indicate** the Transaction ID in the OASIS field of the E-Tag:
   - **Include** the following in the OASIS field:

Transmission Allocation			
TP	Owner	Product	OASIS
"--------"	"--------"	"--------"	"--------"
CISO	"--------"	"--------"	XXXX-XXXX_XXX-XXXX-XXXX-X-X-X-XXXX

CAISO Transmission Dispatcher

1. **Create/Update** Interchange transaction scheduler Market Award **using** information provided on the E-Tag or as agreed upon over the phone with the SC/PSE.
2. **Confirm** Market ID: Market ID.
3. **Confirm** SCID: Use valid SC ID if available, otherwise **use** ZISO.
4. **Log** the Manual Dispatch in the Exceptional Dispatch (ED) tool of market software. For more information on how to log into RTN, **see** CAISO Desktop Procedure INT-029 Manual Dispatch on the Interties.
5. If the Resource ID/Transaction ID does not exist in RTN, **log** in SLIC; **refer** to Section 3.4 for details on creating Scheduling and Logging System for the ISO of California (SLIC) log entries.

3.3. Manual Dispatch via an Intermediary Entity

When canvassing for Manual Dispatch Energy during a CAISO Supply deficiency event, if an entity can provide/receive Energy but is unwilling to do business directly with the CAISO, then perform the following steps:

CAISO Transmission Dispatcher

1. **Contact/canvas** third parties and **inform** the third party that an entity can provide/receive Energy but is unwilling to do business with the CAISO directly and requests that another entity act as an intermediary, with the CAISO.
2. If the third-party entity accepts the request to function as an intermediary:
    - **Communicate**, **record**, and **document** the agreement identical to a normal Manual Dispatch **with** the intermediary third party, per instruction in previous steps with two (2) additional considerations:
        - The agreed price is between the third-party intermediary and CAISO. Third party intermediary should include all costs (CAISO and provider/receiver) when determining the selling price to the CAISO.
        - If the Resource ID/Transaction ID does not exist in RTN:
            - The SLIC log entry must include an explanation of the intermediary arrangement such as,
                - Entity requiring an intermediary
                - Contact person
                - Name of any entities identified as acceptable Energy providers/receivers

***Note**: The cost of the Manual Dispatch Energy/Capacity will be charged to CAISO Load and not to either of the entities involved.*

3.4. Manual Dispatch Transaction Records

Take the following actions to create a SLIC log entry:

CAISO Transmission Dispatcher

1. **Complete** a SLIC log entry if the Resource ID/Transaction ID does not exist in RTN, which includes the detailed transaction information from Section 3.1.
    - **Log** the following required entries into SLIC:
        - Log Type – RT Scheduling.
        - Title – EDE Instructions for Interties/Corrections-96 Hour.
        - Event DTS Date – The effective date of the ED. This is the date the energy is supplied and NOT the date the ED entities are contacted, which may be different for exceptional dispatches.

CAISO Transmission Dispatcher
○ Event DTS Time – The effective time of the ED. This is the time the energy/capacity is supplied and NOT the time the ED entities are contacted. ○ Short Description – Provide a brief description of the event. ○ Operating Date – The effective date of the MD. This will be the same as the Event DTS Date. ○ HE – The effective time of the MD, in hour ending format. ○ Reason – Depending on the reason for the ED, choose either Market Disruption, System Energy, or Unit DE commitment of RAS Resource during TX Maintenance. ○ Market ID – Each Resource ID or Transaction ID that is manually dispatched should be listed only once. ○ Resource available MW value for the associated Market ID. This will reflect the SIBR/ARMS market bid and what the Transmission Dispatcher has manually changed to the market award, to reflect the manual dispatch.

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 34.9.1 and 42.1.5
CAISO Operating Procedure	2210 Real-Time Market Activities
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:

Automatic Dispatch System (ADS)	CAISO electronic automatic Dispatch system which issues automatic Dispatch Instructions to the Responsible SC, when a RT Market Energy Bid is awarded by RTM.
Non-Market Participants	Refers to Capacity or Energy transactions with entities other than SCs or entities represented by SCs, in the CAISO markets. These transactions are with entities with which the CAISO has no SC Agreement.
Interchange Transaction Scheduler	The Interchange transaction scheduler program manages Interchange transactions, provides Scheduled Net Interchange (NIs) to Energy Management System (EMS) and RTM, and Facilitates hourly NIs and Actual Net Interchange (NIA) check-out with adjacent Balancing Authorities (BA). NIs for each hour is based upon implemented Interchange Schedules (NERC E-Tags) requested and submitted by the Market Participant's SC/PSE.

Version History

Version	Change	Date
7.0	Periodic Review: Minor edits for consistency, format and grammar updates and removed history prior to 5-years.	11/24/20
7.1	Periodic Review: Updated all instances of ISO to CAISO and spelled out first instance. Updated from Real-Time Market Desk and RTM Operator to Market Operator. Updated from Generation and Transmission "Desk" to "Dispatcher" and updated from Shift Manager to Manager, Real-Time Operations and Manager of Real-Time Operations. Section 3.2: Minor edit to #5. Section 3.4: Minor edit to #1. Minor formatting and removed history prior to five years.	9/11/23

Version	Change	Date
7.2	Updated from Manager, Real-Time Operations and Manager of Real-Time Operations to Manager, BA Operations and Manager of BA Operations. Updated from Net Scheduled Interchange (NSI) to Scheduled Net Interchange (NI_S) and from Net Actual Interchange (NAI) to Actual Net Interchange (NI_A) to align with BAL-004-WECC-4 update for 10/01/25. Minor formatting and grammar edits.	10/01/25
7.3	Updated all instances of “FIT” with “ARMS (Advanced Reporting and Monitoring Service)” application. Removed history prior to five years.	5/26/26
7.4	Periodic Review: Defined first instance of various terms for clarity, minor formatting, and grammar edits.	8/20/26

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.