 California ISO	Operating Procedure	Procedure No.	2510A
		Version No.	12.2
		Effective Date	7/13/2023
POR/POD-Scheduling Path Cross Reference		Distribution Restriction: None	

1. Procedure Detail

1.1. Purpose

The California ISO (CAISO) market Scheduling paths are associated with the market Scheduling and tie points. In most cases, the name registered in the NAESB Electric Industry Registry (EIR) provided by the OATI webRegistry system is the same as the Tie Point. WECC tagging specifications require a single point to be designated as Point of Receipt/Point of Delivery (POR/POD) on NERC tags. The following table provides a cross reference to match the NERC POR/POD with the CAISO market Scheduling path. This information regarding registered POR/POD's can also be found in the OATI Web Registry at <https://www.naesbwry.oati.com/cgi-bin/webplus.dll?script=/NAESBWRY/sys-main.wml>, but it requires a security certificate.

1.2. POR/POD-Scheduling Path Cross Reference

ADJ BA	Scheduling Point Name	Physical Tie Name	EIR (webRegistry) (POR/POD dropdown)	CAISO "Market" TIE POINT	Intertie Constraint	Table Note
AZPS	NGILAN_5_N034	North Gila 500	NRTHGILA500	NRTHGILA500	NORTHGILA500_ITC	
AZPS	WILOWBCH_6_ND001	Willow Beach 500	WILLOWBEACH	WILLOWBEACH	ELDORADO_ITC	
BANC	CAPTJACK_5_N510 SMD5_ASR-APND	Cottonwood 230	CTW230	CTW230	CTW230_ITC TRCYTEA_ITC	Note 9
BANC	CAPTJACK_5_N509 SMD6_ASR-APND	Lawrence Livermore 115	LLL115	LLL115	LLNL_ITC	Note 9
BANC	CAPTJACK_5_N511 SMD4_ASR-APND	Round Mountain 230	RDM230	RDM230	RDM230_ITC	Note 9
BANC	CAPTJACK_5_N507 SMD8_ASR-APND	Rancho Seco/Bellota 230 (2 lines)	RAN230	RANCHOSECO	RNCHLAKE_ITC	Note 9
BANC	CAPTJACK_5_N508 SMD7_ASR-APND	Lake - Goldhill 230	LAK230	LAKE	RNCHLAKE_ITC	Note 9

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Distribution Restriction:
None

ADJ BA	Scheduling Point Name	Physical Tie Name	EIR (webRegistry) (POR/POD dropdown)	CAISO "Market" TIE POINT	Intertie Constraint	Table Note
BANC	STANDFD2_1_N011	Standiford-Warnerville 115 (2 lines). CCSF/ISO Standiford NPTO TIE (MID)	STANDIFORD	STANDIFORD	STANDIFORD_ITC	
BANC	CAPTJACK_5_N506 SMD9_ASR-APND	Tracy - Tesla 230 1 and 2	TESLA230 and TRY230	TESLA230	TRACY230_ITC TRCYTEA_ITC	Note 6, 9
BANC (MID)	CAPTJACK_5_N504 SMDB_ASR-APND	Westley -Tesla 230 (MID)	TESLA230	WESTLYTSLA	WESTLYTSLA_ITC	Note 9
BANC	CAPTJACK_5_N505 SMDA_ASR-APND	Tracy 500 Intertie with BANC	TRY500	TRCYPGAE	TRACY500_ITC TRCYTEA_ITC	Note 8, 9
BANC	CAPTJACK_5_N512 SMDH_ASR-APND	Tracy 500 Intertie with BANC	TRY500	TRCYCOTPISO	COTPISO_ITC	Note 9
BANC	CAPTJACK_5_N015 SMDG_ASR-APND	Tracy 500 Intertie with BANC	TRY500	TRCYCOTP	TRACY500_ITC	Note 9
BANC	CAPTJACK_5_N513 SMD2_ASR	Schedules at Tracy 230, Tracy 500 or Cottonwood 230 for registered Dynamic Transfer	TRCYTEA	TRCYTEA	TRCYTEA_ITC	Note 9
BPA	MALIN_5_N101	Malin 500 kV	MALIN500	MALIN500	MALIN500_ISL	
CAISO	N/A	Existing Gen. Zone North of Path 15	NP15	N/A	N/A	Note 4
CAISO	N/A	Existing Gen Zone South of Path 15	SP15	N/A	N/A	Note 4
CEN	ROA-230_2_N101	La Rosita Tie	CFEROA	CFEROA	CFE_ITC CFEROA_ITC	
CEN	TJI-230_2_N101	Tijuana Tie	CFETIJ	CFETIJ	CFE_ITC CFETIJ_ITC	
IID	COACHELV_2_N101 RAMON_2_N001	Mirage –Coachella 230	MIR2	MIR2	IID-SCE_ITC	
IID	ELCENTRO_2_N001	Imperial Valley 230	IVLY2	IVLY2	IID-SDGE_ITC	
LDWP	MCCULLGH_5_N101	McCullough – Eldorado 500	ELDORADO500	ELDORADO500	MCCULLGH_ITC	

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LDWP	N/A	Inyo	INYO	N/A	N/A	Note 3
LDWP	VICTORVL_5_N101	Lugo-Victorville 500	LUGO	LUGO	ADLANTOVICTVL-SP_ITC VICTVL_ITC	
LDWP/ NEVP	GONDER_2_N501	Gonder 230	GON.IPP	GONIPP	ADLANTO-SP_ITC ADLANTOVICTVL-SP_ITC GONDIPPDC_ITC IPPCADLN_ITC IPPUTAH_ITC	Note 5
LDWP	INTERM1G_7_N501	IPP 345 kV & 500 (DC)	IPP	IPP	ADLANTO-SP_ITC ADLANTOVICTVL-SP_ITC IPPCADLN_ITC	Note 5
LDWP	INTERMT_3_N506	IPPPUTAH	IPPUTAH	IPPUTAH	ADLANTO-SP_ITC ADLANTOVICTVL-SP_ITC IPPCADLN_ITC IPPUTAH_ITC	Note 5
LDWP	N/A	Adelanto 500	ADL	N/A	N/A	Note 5
LDWP/ WALC	MONA_3_N501	Mona 345	MDWP	MDWP	ADLANTO-SP_ITC ADLANTOVICTVL-SP_ITC IPPCADLN_ITC IPPUTAH_ITC MONAIPPDC_ITC	Note 5
LDWP/	MARKETPL_5_N501	Marketplace 500	MARKETPLACE	MARKETPLACE	ADLANTO-SP_ITC	Note 5

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ADJ BA	Scheduling Point Name	Physical Tie Name	EIR (webRegistry) (POR/POD dropdown)	CAISO "Market" TIE POINT	Intertie Constraint	Table Note
WALC					ADLANTOVICTVL-SP_ITC MKTPCADLN_ITC	
LDWP	MCCULLGX_5_N501	McCullough 500	MCCULLOUG500	MCCULLOUG500	ADLANTO-SP_ITC ADLANTOVICTVL-SP_ITC MCCLMKTPC_ITC MKTPCADLN_ITC	Note 5
LDWP/ BPA	SYLMARDC_2_N501	Nevada - Oregon Border (PDCI)	NOB	NOB	NOB_ITC	
LDWP	SYLMARLA_2_N501	Sylmar AC	SYLMAR	SYLMAR	ADLANTOVICTVL-SP_ITC SYLMAR-AC_ITC	
NEVP	HALLEN_5_SN001	Harry Allen 500 kV Switchyard	HA500	HA500	HA500_ISL	
NEVP	MAGNOLIA_2_N008 NSO_2_N008	Merchant 230	ELDORADO230	ELDORADO230	MERCHANT_ITC	
NEVP	NWEST_2_SN001	Northwest 230	NWEST	NWEST	NWEST230_ITC VEA_ITC	
NEVP	AMARGOSA_1_SN001	Amargosa 138	AMARGOSA230	AMARGOSA230	AMARGO_ITC VEA_ITC	
NEVP	MOH-LGHN_5_N001	Mohave-Laughlin 500	MOHAVE500	MOHAVE500	LAUGHLIN_ITC	
NEVP	MERCURY_1_N008	Mercury Switching Center: 3 lines at Innovation, Jackass Flats, & Mercury Distribution(DOE)	MERCURY138	MERCURY138	MERCURY_ITC VEA_ITC	
NEVP	MARBLSP_6_N001	Marble (Plumas-Sierra) 60 NPTO tie	MARBLE60	MARBLE60	MARBLE_ITC	
NEVP	SUMMIT_ASR-APND	Summit 60 and 120 Ties	SUMMIT120	SUMMIT120	SUMMIT_ITC	
NEVP	SLVRPS2_7_N001	Silver Peak 55 Tie	SILVERPEAK55	SILVERPEAK55	SILVERPK_ITC	

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PACW	CRAGVIEW_1_GN001	Crag View – Cascade 115	CRAG	CRAG	CASCADE_ITC	
SRP	PALOVRDE_ASR-APND	PV West 500	PVWEST	PVWEST	PALOVRDE_ITC	Note 2
TID	OAKDLTID_1_N001	CCSF/ISO Oakdale NPTO TIE (TID)	OAKDALE	OAKDALE	OAKDALE_ITC	
TID	CAPTJACK_5_N003 SMDC_ASR-APND	Westley – Quinto 230 (TID)	WESTLY	WESTLYQNTO	WESTLYBNS_ITC	Note 9
WALC	BLYTHE_1_N101	Blythe 161	BLYTHE161	BLYTHE161	BLYTHE_ITC	
WALC/ LDWP	MEADS_2_N101/ MEADN_2_N101	Mead 230	MEAD230	MEAD230	ADLANTOVICTVL-SP_ITC MEAD_ITC	
WALC	MEADN_2_N501	Mead 230	MEAD230	MEAD2MSCHD	ADLANTOVICTVL-SP_ITC MEADTMEAD_ITC MEAD_ITC	Note 5
WALC	MEAD_5_N501	Mead 500	MEAD500	MEAD5MSCHD	ADLANTO-SP_ITC ADLANTOVICTVL-SP_ITC MEADMKTPC_ITC MKTPCADLN_ITC	Note 5
WALC/ AZPS	WESTWING_5_N501	Westwing 500	WESTWING500	WESTWING500	ADLANTO-SP_ITC ADLANTOVICTVL-SP_ITC MEADMKTPC_ITC MKTPCADLN_ITC WSTWGMEAD_ITC	Note 5
WALC	PARKER_2_N101	Parker Davis 230	PARKER230	PARKER230	PARKER_ITC	

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Note 2:	This scheduling point is a combination of two 500 kV lines 1) PV 500 kV to Devers 500 kV and 2) PV 500 kV to North Gila 500 kV. PV West interconnects with SP15.
Note 3:	Actual Interchange only, NOT a scheduled tie, per LADWP BAA.
Note 4:	Used to define load, generation and network POR/POD zones within the CAISO Balancing Authority Area.
Note 5:	External CISO SPTO Market Transmission rights across LADWP IPP and WALC Mead-Phoenix systems. See the <i>California ISO Tagging Templates</i> for Interchange Schedule tagging instructions for the SPTO market Schedules.
Note 6:	For tagging purposes TESLA230 AND TRY230 must both be used to identify an Interchange transaction at TESLA230.
Note 8:	TRCYCOTP (1567 MW), TRCYPGAE and TRCYCOTPISO (33 MW of CAISO rights) are all “Market” Tie Points that are aggregated at TRY500 for check-out with BANC.
Note 9	<i>Per CAISO Tariff Appendix C, The SMUD/TID IBAA Import LMP will be calculated based on modeling of supply resources that assumes all supply is from the Captain Jack substation as defined by WECC. The SMUD/TID IBAA Export LMP will be calculated based on the Sacramento Municipal Utility District hub that reflects Intertie distribution factors developed from a seasonal power flow base case study of the WECC region using an equivalence technique that requires the Sacramento Municipal Utility District hub to be equivalence to only the buses that comprise the aggregated set of load resources in the IBAA, with all generation also being retained at its buses within the IBAA</i>

2. Supporting Information

Operationally Affected Parties

Shared with the Public.

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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

Version	Change	Date
11.10	Section 1.2: Updated two references in the EIR column for BANC due to SMUD e-Tagging Protocol revisions. Note Table, Note 5: Replaced reference of 8110G with 2510A, since 8110G has retired and the information related to this reference is now included in 2510A.	8/10/17

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Version	Change	Date
11.11	<p>Section 1.2:</p> <p><u>In main table:</u> Removed row 1 (AZPS ELDORADO500) for the retirement of FOURCORNE345 and MOENKOPI500 ISO market tie points for the transition of Four Corners and Moenkopi to Willow Beach from SCE/ISO to APS. Replaced "...Path 26" with "...Path 15."</p> <p><u>In Notes table:</u> Removed Note 1 due to removal of row 1 noted above. Updated Note 5 reference. Removed Note 7 as it corresponds to nothing in above table.</p> <p>Note: Numbering will not be adjusted, for version control.</p>	11/16/17
11.12	<p>Corrected typo in version history for version 11.11 (correction is highlighted). Changed Intertie Constraint for BPA from MALIN500 to MALIN500_ISL due to name change in the new ETCC. Minor formatting and grammar updates.</p>	2/15/19
11.13	Added Harry Allen 500 kV line and removed history prior to 5-years.	8/12/20
12.0	Periodic Review: Minor edit in Purpose Section, spelling out POR/POD acronyms.	12/01/020
12.1	Periodic Review: Added Note 9 to clarify PNodes mapping for SMUD/TID. Updated from ISO to CAISO in most instances, minor format and grammar edits, and removed history prior to five years.	12/13/22
12.2	Added MEADN_2_N101 to MEAD230_ITC to accommodate LDWP ETSRs on MEAD230. Removed PACE from MONA_3_N501 row to resolve CIDI case 263548.	7/13/23