



CAISO Operating Procedures Index List

<i>Procedure Number</i>	<i>Procedure Title</i>	<i>Version</i>	<i>EffectiveDate</i>	<i>Public Access</i>	<i>Market Sensitive</i>	<i>Proprietary</i>	<i>Security Restricted</i>
A-02	Development and Distribution of Operating Procedures	3.7	8/28/2009	Yes	No	No	No
A-02A	Procedure Revisions due to Tariff Changes	3.4	1/14/2010	Yes	No	No	No
A-02C	Operating Procedure Development Flowchart	2.1	1/14/2010	Yes	No	No	No
A-02D	Procedure Exam Development and Maintenance Process	2.2	5/27/2009	Yes	No	No	No
A-02E	Electronic Signature Procedure Approval Process	1.3	1/14/2010	Yes	No	No	No
A-03	Determining Distribution Restrictions for CAISO Operating Procedures	2.0	8/12/2009	Yes	No	No	No
C-608	EMS Daylight Savings Time Workaround	2.3	9/21/2009	No	No	No	Yes
C-609	Loss of Communication To/From Scheduling Coordinators	1.2	8/25/2009	No	No	No	Yes

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C-610	Communications Failure & Testing	5.1	9/23/2009	No	No	No	Yes
C-610A	Communications Hardware & Functionality	1.1	5/21/2009	No	No	No	Yes
C-610B	ECN Description	1.1	5/21/2009	No	No	No	Yes
C-610C	Communications Contacts	2.1	5/21/2009	No	No	No	Yes
D-50	SLIC Logging	5.1	7/2/2009	Yes	No	No	No
D-50A	Transmission Desk Logging	6.2	8/21/2009	Yes	No	No	No
D-50B	Generation Desk Logging	4.2	2/12/2010	Yes	No	No	No
D-50C	Scheduling Desk Logging	4.1	8/31/2009	Yes	No	No	No
D-50D	DA Market Ops Desk Logging	7.0	8/21/2009	Yes	No	No	No
D-50E	SLIC Outage Logging	3.2	12/14/2009	Yes	No	No	No
D-50G	SLIC Reports	2.1	12/14/2009	No	No	No	Yes

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D-50H	SLIC User Guide	2.0	4/1/2009	No	No	No	Yes
D-51	Reporting Requirements For the CAISO and Other Operating Entities	4.2	7/1/2009	Yes	No	No	No
D-51A	CAISO Fire Reporting Guidelines	1.3	8/18/2009	Yes	No	No	No
D-52	Real -Time Communications	4.0	4/1/2009	No	No	No	Yes
D-52A	Suggested Phrases for Marketing Entities	1.2	6/9/2009	No	No	Yes	No
D-52B	Real-Time Shift Turnover	2.0	10/8/2009	No	No	No	Yes
E-501	System Restoration	4.0	9/15/2009	No	No	No	Yes
E-501A	Black Start Units	11.0	9/4/2009	No	No	Yes	Yes
E-501B	Generators with Alternative Source of Fuel	2.0	9/22/2009	No	No	Yes	Yes
E-502	Emergency Manual Load Shedding	4.2	9/14/2009	Yes	No	No	No
E-503	Under-Frequency Load Shedding	1.8	9/14/2009	Yes	No	No	No

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E-503A	UFLS and Islanding - Real Time Monitoring	2.3	9/11/2009	No	No	No	Yes
E-505	Emergency Assistance	7.0	9/15/2009	Yes	No	No	No
E-505B	Prices- Emergency Assistance to the CAISO	5.1	8/28/2009	No	Yes	Yes	No
E-505C	CFE Emergency Request	1.2	1/22/2010	No	Yes	Yes	No
E-505D	Emergency Assistance Resource IDs	1.1	7/23/2009	Yes	No	No	No
E-507	Operations Emergency Notification	7.0	12/23/2009	No	No	No	Yes
E-507A	Events Requiring Systems Operations Coordinator Notification	4.0	12/23/2009	No	No	No	Yes
E-507B	Operations Incident Notifications Flowchart	5.0	12/23/2009	No	No	No	Yes
E-507C	ERC Contact Matrix	3.0	12/23/2009	No	No	Yes	Yes
E-507D	ERC External Emergency Contacts	8.0	12/23/2009	No	No	Yes	Yes
E-508	Electrical System Emergency	5.1	9/14/2009	Yes	No	No	No

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E-508A	Load Shedding Guide	7.1	5/12/2009	Yes	No	No	No
E-508B	Alert-Warning-Emergency (AWE) Guide	8.1	1/22/2010	No	Yes	No	Yes
E-508C	Electrical Emergency Notices	3.0	3/3/2010	Yes	No	No	No
E-508D	CAISO Switching and System Emergency Declaration Guidelines	1.3	8/20/2009	Yes	No	No	No
E-509	Restricted Maintenance Operations	2.6	12/2/2009	Yes	No	No	No
E-509A	Allowable Transmission Maintenance Activities During Restricted Maintenance Operations	2.4	5/8/2009	Yes	No	No	No
E-509B	SONGS Essential Component List	2.1	5/8/2009	No	No	Yes	Yes
E-509C	Diablo Canyon Vital Component List	1.2	5/8/2009	No	No	Yes	Yes
E-511	Load Reduction Programs	7.0	4/7/2009	Yes	No	No	No
E-511B	UDC Interruptible Service Limitations and Conditions	4.5	12/14/2009	No	No	Yes	No
E-511C	UDC Interruptible Service Curtailment Groups	3.4	8/20/2009	No	No	Yes	No

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E-518	Control Room Evacuation	2.2	5/8/2009	No	No	Yes	Yes
E-518A	Folsom Control Room Evacuation Maps and Images	2.0	6/19/2009	No	No	Yes	Yes
E-518B	Evacuation Checklists	3.0	4/1/2009	No	No	Yes	Yes
E-518C	Scheduling Department Emergency Plan	3.0	2/9/2010	No	No	Yes	Yes
G-200	Generating Station Requirements and Communications	2.7	6/9/2009	Yes	No	No	No
G-202	Over-Generation	9.1	9/29/2009	Yes	No	No	No
G-202A	Market Notifications - Over-Generation	2.0	4/1/2009	Yes	No	No	No
G-202B	Exceptional Dispatch Generation Reduction Form	2.0	4/1/2009	Yes	No	No	No
G-203	RMR Unit Commitment and Dispatch	9.1	6/23/2009	Yes	No	No	No
G-203B	CAISO RMR Availability Notice	4.3	12/29/2009	Yes	No	No	No
G-203C	RMR Unit Substitution Description	4.0	4/20/2009	Yes	No	No	No

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G-203D	RMR Unit Substitution Flowchart	5.0	4/20/2009	Yes	No	No	No
G-203E	RMR Unit Substitution Request Form	1.6	12/29/2009	Yes	No	No	No
G-203F	RMR Test Request Form	2.1	12/29/2009	Yes	No	No	No
G-203G	RMR Test Request Form Availability Test Ambient Temperature Supplement	1.4	12/29/2009	Yes	No	No	No
G-203H	RMR Availability Test Dispatch Operational Flow	1.3	12/29/2009	Yes	No	No	No
G-203I	RMR Unit Testing FAQ Sheet	3.0	4/1/2009	No	No	Yes	Yes
G-203J	RMR Unit Availability Test Process Flowchart	5.1	12/29/2009	Yes	No	No	No
G-203K	Procuring A/S Capacity from RMR Units	3.0	4/1/2009	Yes	No	No	No
G-203M	RMR Peakers Subject to CDWR Power Purchase Agreements	5.0	12/29/2009	Yes	No	No	No
G-203P	RMR Unit Emissions/Heat Input Test Process Flowchart	2.1	12/29/2009	Yes	No	No	No
G-203Q	RMR Dual Fuel Test Process Flowchart	3.1	12/29/2009	Yes	No	No	No

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G-203R	RMR References	1.1	12/29/2009	No	No	No	Yes
G-204	Standard Capacity Substitution	1.3	2/11/2010	Yes	No	No	No
G-206	Minimum RMR Commitment: San Diego Area	10.2	1/29/2010	No	Yes	No	No
G-213	Generator Certification Testing	7.1	9/17/2009	Yes	No	No	No
G-213A	Ancillary Services Test Request Form	5.2	12/23/2008	Yes	No	No	No
G-213B	Spinning and Non-Spinning Reserve Imports	3.1	4/14/2009	Yes	No	No	No
G-213C	PI Trend Setup	4.0	4/29/2009	No	No	No	Yes
G-213D	Request for Certification of Dynamic Imports of Spinning and Non-Spinning Reserve	3.1	4/29/2009	Yes	No	No	No
G-213E	SC & Host Control Area Operator Request for Certification of Imports of Regulation	4.1	4/29/2009	Yes	No	No	No
G-213F	Ancillary Services Testing Process Flowchart	3.0	4/24/2009	Yes	No	No	No
G-213G	A/S Test Administrator Test Form	3.0	4/29/2009	Yes	No	No	No

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G-213H	Black Start Test Report Form	2.2	9/17/2009	Yes	No	No	No
G-213I	Black Start Process Flowchart	4.1	9/17/2009	Yes	No	No	No
G-214	Unannounced Compliance Testing	2.1	12/16/2009	Yes	No	No	No
G-215	Sutter-Pilot Pseudo Tie Generating Unit	2.0	4/3/2009	No	No	Yes	No
G-217	South-of-Lugo Generation Requirements	7.0	3/3/2010	No	Yes	No	Yes
G-219	SCE Local Area Generation Requirements for Orange County	9.0	2/12/2010	No	Yes	No	Yes
G-233	Bay Area Generation Commitment	15.0	4/1/2009	No	Yes	Yes	Yes
G-233B	Bay Area Commitment and Assumption Matrices (Tables 1 & 2) & Commitment Nomograms (Graphs 1 & 2)	20.2	1/7/2009	No	No	Yes	Yes
G-233C	Delta Dispatch Generating Unit Selection	4.1	5/12/2009	No	Yes	No	Yes
G-233D	Delta Dispatch Instructions	8.0	5/12/2009	No	Yes	Yes	Yes
G-233E	Bay Area Generation Groups	11.1	7/15/2009	No	Yes	Yes	Yes

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I-1203	BPA-CAISO Communications Facilities	2.1	5/21/2009	No	No	Yes	Yes
I-1203A	Primary CAISO/BPA Voice Communication Interface	2.2	5/21/2009	No	No	Yes	Yes
I-1203B	Communication Facilities Contacts	2.1	5/21/2009	No	No	Yes	Yes
M-401	Day-Ahead Market	14.0	2/4/2010	Yes	No	No	No
M-401A	A-S Procurement - DA	7.0	4/1/2009	Yes	No	No	No
M-401B	A-S Availability Validation	5.0	4/1/2009	Yes	No	No	No
M-401C	Load Error Detection & Correction	1.0	4/1/2009	No	No	Yes	No
M-401D	DAM Process Flowchart	1.0	4/1/2009	Yes	No	No	No
M-401E	ELC Units Requiring Start-Up Steam	1.0	4/1/2009	No	No	No	Yes
M-401F	Pre-Market Validation	1.0	4/1/2009	Yes	No	No	No
M-401G	Day-Ahead Market Checklist	2.0	2/19/2010	No	No	Yes	Yes

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M-402	Exceptional Dispatch	10.1	12/7/2009	Yes	No	No	No
M-402A	Exceptional Dispatch Priority	2.1	12/4/2009	Yes	No	No	No
M-402B	Exceptional Dispatch Validation	4.3	12/4/2009	Yes	No	No	No
M-402C	Exceptional Dispatch Instruction Type Codes	1.4	12/18/2009	Yes	No	No	No
M-402D	Exceptional Dispatch Competitive Constraints	1.0	7/29/2009	Yes	No	No	No
M-403	Real Time Dispatching	8.0	3/10/2010	Yes	No	No	No
M-403A	A/S Procurement - RT	1.1	11/4/2009	Yes	No	No	No
M-403B	Real -Time Timelines	1.1	3/4/2010	Yes	No	No	No
M-403C	RTM Failure	1.0	4/1/2009	No	No	No	Yes
M-403Z	Effectiveness Factors - All	2.1	1/5/2010	Yes	No	No	No
M-405	Nomograms, TCORS, and Contingencies	3.0	4/1/2009	Yes	No	No	No

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M-405A	Nomogram, TCORS, & Contingency Data	4.9	3/3/2010	No	No	Yes	Yes
M-406	Administrative Price	4.0	4/1/2009	Yes	No	No	No
M-408	Generator Forbidden Regions	3.0	4/1/2009	Yes	No	No	No
M-410	CAISO Client Inquiry	1.8	5/12/2009	Yes	No	No	No
M-423	Scheduling the Use of Existing Transmission Contract Rights and Transmission Ownership Rights	4.1	11/10/2009	Yes	No	No	No
M-423A	ETC/TOR Instructions	1.2	8/20/2009	Yes	No	No	No
M-424	ETCC Update	5.0	9/11/2009	Yes	No	No	No
M-424A	Path 15 ETC Administration	3.0	9/11/2009	No	No	No	Yes
M-424B	Path 58 and Mead MSL ETC Administration	1.0	1/4/2010	No	No	Yes	No
M-440	IFM - RTM Workaround	1.1	6/29/2009	Yes	No	No	No
N-701	Operating Procedure Exchange Process Between CAISO and Other Entities	1.7	4/15/2009	Yes	No	No	No

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N-702	Public Information	1.8	4/22/2009	Yes	No	No	No
N-702A	CAISO Office of Communications & Public Relations Contacts	1.6	4/22/2009	No	No	No	Yes
N-703	Significant Event Notification, Reporting and Investigation	8.2	9/17/2009	Yes	No	No	No
N-703A	DOE, NERC & WECC Significant Event Reporting Requirements	1.5	8/20/2009	Yes	No	No	No
S-301	Unscheduled Flow	6.2	12/29/2009	Yes	No	No	No
S-301A	WECC Unscheduled Flow Reduction Procedure	2.0	10/2/2009	Yes	No	No	No
S-301C	WECC UFAS Admin Practice 002-Qualified Path Loading Required to Request Relief of unscheduled Flow	1.0	9/16/1999	Yes	No	No	No
S-301D	WECC UFAS Practice 005 - Rapid Advancement to Latter Steps of Procedure	1.3	6/17/1998	Yes	No	No	No
S-301E	Determining Qualified Path Values for USF	1.3	5/6/2009	Yes	No	No	No
S-303	Interchange Schedule Curtailments	3.1	12/31/2009	Yes	No	No	No
S-304	Manual Dispatch and Interchange Scheduling of Real-Time Energy	5.1	5/4/2009	Yes	No	No	No

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S-310	Inadvertent Interchange Payback	3.2	7/27/2009	Yes	No	No	No
S-311	Real-Time and After-the-Fact Check-Out Requirements	5.1	8/26/2009	Yes	No	No	No
S-312	Pre-Schedule Check-Out Requirements	4.1	7/31/2009	Yes	No	No	No
S-313	NERC Tagging Requirements	5.1	7/31/2009	Yes	No	No	No
S-313A	POR/POD-Scheduling Path Cross Reference	8.1	2/18/2010	Yes	No	No	No
S-315	Emergency Overload Mitigation for Stability Rated Paths	4.2	9/9/2009	Yes	No	No	No
S-315A	COI Path Operator N-S Emergency Overload Mitigation	8.0	10/14/2009	Yes	No	No	No
S-315D	Emergency Overload Mitigation for SCIT/EOR Nomogram Derate	2.1	9/18/2009	No	No	Yes	No
S-316	New Melones Pseudo-Tie	3.1	5/22/2009	No	No	No	Yes
S-317	BPA/CAISO COI Coordination and Communication	2.1	2/22/2010	No	No	Yes	Yes
S-317A	CAISO/BPA Communication Channels	1.7	11/20/2009	No	No	Yes	Yes

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S-317B	BPA Operational Contacts	1.6	11/20/2009	No	No	Yes	Yes
S-317C	ISO Operational Contacts	1.7	11/20/2009	No	No	Yes	Yes
S-318	Exceptional Dispatch Non-Market Interchange Transactions	4.6	10/9/2009	Yes	No	No	No
S-320	Eldorado Branch Group Scheduling	4.2	11/18/2009	Yes	No	No	No
S-321	PDCI Scheduling and Repayment of Losses	3.1	2/22/2010	No	No	No	Yes
S-322	TRMs & CBMs	5.0	8/12/2009	Yes	No	No	No
S-326	Southern Cities Market Transmission Outage Management and Interchange Scheduling	4.0	4/1/2009	Yes	No	No	No
S-326A	Physical Transmission System	8.2	2/8/2010	No	No	Yes	No
S-326B	Market Scheduling Limits	8.2	2/8/2010	No	No	Yes	No
S-326C	IPP-Adelanto OTC and Curtailments	5.1	7/15/2009	No	No	Yes	No
S-326D	Marketplace and Westwing OTC and Curtailments	4.0	4/1/2009	No	No	Yes	No

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S-326E	Lugo-Victorville Curtailments - OTC	5.0	4/1/2009	No	No	Yes	No
S-326F	IPP - Entitlement - ETCC Data	10.1	2/8/2010	No	No	Yes	No
S-326G	NERC Tags and SIBR Market Bid	4.0	4/1/2009	Yes	No	No	No
S-326H	Instructions for Outage Coordinators and Transmission Dispatchers	6.0	2/3/2010	No	No	Yes	No
S-326I	Adelanto-Sylmar OTC and Curtailment	5.0	4/1/2009	No	No	Yes	No
S-328	Scheduling for Stranded Load	4.0	4/1/2009	No	No	Yes	Yes
S-328A	Drum-Summit Intertie One-line Diagram	1.2	8/11/2009	No	Yes	Yes	Yes
S-328B	Control-Silver Peak Intertie One-line Diagram	1.2	8/11/2009	No	Yes	Yes	Yes
S-328C	Eagle Mtn.-Blythe Intertie One-line Diagram	1.2	8/11/2009	No	Yes	Yes	Yes
S-328D	Cascade-Crag View Diagram	1.2	8/11/2009	No	Yes	Yes	Yes
S-328F	IID Narrows 88 kV Emergency Load Transfer One-Line Diagram	1.0	11/3/2009	No	No	No	Yes

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S-330	CRN Transfer - Day Ahead	2.1	5/29/2009	Yes	No	No	No
S-330A	Secondary CRN Request	1.1	7/15/2009	Yes	No	No	No
T-101	Remedial Action Schemes	3.4	6/10/2009	No	No	No	Yes
T-102	COI, PDCI North of John Day Nomogram	7.7	11/4/2009	Yes	No	No	No
T-103	SCIT	9.5	11/4/2009	Yes	No	No	No
T-103A	EOR - SCIT Nomogram	8.9	11/4/2009	Yes	No	No	No
T-103B	SCIT Nomogram Axis and Reduction Tables	7.1	11/4/2009	Yes	No	No	No
T-103C	Minimum Generation Capacity Requirement For SCIT Inertia Support	3.3	2/17/2010	No	Yes	No	No
T-103D	SCIT Emergency Overload Mitigation	2.0	4/1/2009	No	Yes	No	Yes
T-103E	SCIT Nomogram Information	1.0	12/12/2008	Yes	No	No	No
T-103F	APS Attachment 1 PV West Operating Guidelines	1.0	12/12/2008	No	No	Yes	No

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T-104	California Simultaneous Import Nomogram (CASI)	4.0	3/8/2010	No	No	No	Yes
T-104A	CASI Nomogram Table	2.5	8/6/2009	No	No	No	Yes
T-105	Voltage and VAR Control	3.5	12/8/2009	Yes	No	No	No
T-106	Pacific DC Intertie	4.0	10/1/2009	Yes	No	No	No
T-107	HVAC Transmission	1.7	2/16/2010	Yes	No	No	No
T-108	Transmission Monitoring & Control to Satisfy IDB-SDGE Local Debt Requirement	1.5	2/17/2010	No	Yes	Yes	Yes
T-109	Interconnection Switching	2.2	2/24/2010	Yes	No	No	No
T-109A	APS Switching Operations	2.1	5/14/2009	No	No	Yes	Yes
T-109B	BPA Switching Operations	2.1	5/14/2009	No	No	Yes	Yes
T-109C	CFE Switching Operations	2.2	5/14/2009	No	No	Yes	Yes
T-109D	IID Switching Operations	3.1	5/14/2009	No	No	Yes	Yes

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T-109E	LADWP Switching Operations	2.1	5/14/2009	No	No	Yes	Yes
T-109F	NEVP (NV Energy) Switching Operations	2.2	2/24/2010	No	No	Yes	Yes
T-109G	PACW Switching Operations	2.1	5/14/2009	No	No	Yes	Yes
T-109H	PASA Switching Operations	2.1	5/14/2009	No	No	Yes	Yes
T-109I	SPPC (NV Energy) Switching Operations	3.2	2/24/2010	No	No	Yes	Yes
T-109J	SRP Switching Operations	2.1	5/15/2009	No	No	Yes	Yes
T-109K	WALC Switching Operations	2.1	5/15/2009	No	No	Yes	Yes
T-109L	SMUD Switching Operations	2.1	5/15/2009	No	No	Yes	Yes
T-109M	TID Switching Operations	2.1	5/15/2009	No	No	Yes	No
T-111	Transmission Jurisdiction	7.2	2/24/2010	No	No	No	Yes
T-112	Offsite Power Requirements for Nuclear Power Plants	5.0	12/12/2008	No	Yes	Yes	Yes

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T-112D	Big Creek to SONGS Start-Up Power Actions and Voltage Profile, Vincent-Serrano Route	1.1	5/15/2009	No	Yes	Yes	Yes
T-112E	Big Creek to SONGS Start-Up Power Actions and Voltage Profile, Vincent-Mira Loma-Chino Route	1.1	5/15/2009	No	Yes	Yes	Yes
T-112F	Hoover to SONGS Start-Up Power Actions and Voltage Profile	1.1	5/15/2009	No	Yes	Yes	Yes
T-113	Scheduled and Forced Outages	8.0	6/16/2009	Yes	No	No	No
T-113A	CAISO Folsom Outage Coordination Contact Information	3.2	8/11/2009	No	No	No	Yes
T-113B	Transmission Outage Request	2.4	8/13/2009	Yes	No	No	No
T-113D	Status of Emissions Limitations	1.2	8/13/2009	Yes	No	No	No
T-113E	Outages to Connect New or Re-arranged Facilities	2.4	6/16/2009	Yes	No	No	No
T-113F	SDG&E Delegation Authority and Critical Facilities List	4.3	5/29/2009	No	No	Yes	No
T-113G	SCE Delegation Authority and Critical Facilities List	2.4	8/11/2009	No	No	Yes	No
T-113H	PG&E Delegation Authority & Critical Facilities List	2.5	4/16/2009	No	No	Yes	No

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T-113I	Generation Facility(ies) Outage Notification Process	1.3	8/13/2009	Yes	No	No	No
T-113J	CDWR - SWP System	3.1	8/11/2009	No	No	Yes	No
T-113K	Outage Management Seniority Lottery Draft	1.2	8/13/2009	Yes	No	No	No
T-113N	Outage Reporting	3.3	9/22/2009	Yes	No	No	No
T-113O	Transmission Induced Generation Outages	2.1	8/13/2009	Yes	No	No	No
T-113P	WAPA-WASN 500 kV Outage Coordination	1.3	8/11/2009	No	No	Yes	No
T-113Q	List of PG&E Transmission System Equipment Outages Significant to CRRs	2.0	4/1/2009	No	No	Yes	No
T-113R	List of SCE Transmission System Equipment Outages Significant to CRRs	2.0	4/1/2009	No	No	Yes	No
T-113S	List of SDG&E Transmission System Equipment Outages Significant to CRRs	2.0	4/1/2009	No	No	Yes	No
T-113T	Notification to CAISO of New Equipment Release, Re-rated Equipment, or Existing Equipment Removal	1.0	6/16/2009	Yes	No	No	No
T-116	AC/DC Nomogram for North-to-South Flow	16.4	2/26/2010	Yes	No	No	No

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T-116A	AC/DC North-to-South Nomogram	16.2	11/4/2009	Yes	No	No	No
T-116D	Table Mountain Mechanically Switched Capacitors (MSCs)	6.1	6/3/2009	No	No	Yes	Yes
T-116Q	Quick Reference - Operations Summary for the COI and the PDCI	8.2	11/4/2009	Yes	No	No	No
T-117	PDCI Loss-Block Remedial Action Scheme	5.3	8/21/2009	No	No	No	Yes
T-118	PG&E System 500 kV AC and 1000 kV DC Contingency Ratings	7.1	2/3/2010	No	No	Yes	Yes
T-118A	Outages South of COI - Curtailments of COI, PDCI, Path 15, & Path 26	12.8	3/9/2010	No	No	Yes	Yes
T-118B	Notes on 500 kV AC System Contingency SOL Limits	4.0	4/15/2008	No	No	Yes	Yes
T-120	Adverse Operating Conditions of Critical 500 and 230 kV Transmission Facilities	2.1	9/2/2009	No	No	No	Yes
T-121	SMUD-CAISO Inter-Tie Operations	7.2	7/22/2009	No	No	Yes	Yes
T-121A	CAISO-SMUD Load, Generation & Inter-Connection Ratings	9.0	9/23/2009	No	No	Yes	No
T-121Z	Effectiveness Factors & Ratings - SMUD Balancing Area	2.0	7/23/2009	Yes	No	No	No

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T-122	Path 15 (Midway-Los Banos)	15.2	7/31/2009	No	Yes	Yes	Yes
T-122A	West of Borah Versus Path 15 Nomograms	5.0	7/15/2009	No	Yes	Yes	No
T-122B	PG&E Operating Procedures for Operation of IRAS Controller (0-51)	--	7/1/2008	No	Yes	Yes	Yes
T-124	Coordinated Operation for Reliability	3.5	9/22/2009	No	No	No	Yes
T-126	San Francisco Dispatch Instructions	9.2	3/23/2009	No	Yes	Yes	Yes
T-126A	Sequence of Involuntary Load Curtailment, San Francisco and Peninsula Division (North of San Mateo)	3.1	9/3/2009	No	No	Yes	Yes
T-126B	Transmission Equipment Ratings Table	5.1	9/3/2009	No	Yes	Yes	Yes
T-129	Fresno Area Operating Instructions	19.4	9/8/2009	No	Yes	Yes	Yes
T-129A	Emergency Operation Instructions for the Loss of Transmission or Gen Resources in the Fresno Area	3.1	7/23/2009	No	Yes	Yes	Yes
T-129B	Load Calculation and Area Sketch	6.5	7/14/2009	No	Yes	Yes	Yes
T-129C	Fresno Area Equipment Ratings & Intra-Zonal Congestion	9.0	7/23/2009	No	Yes	Yes	Yes

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T-129D	Helms PGP RAS (HTT/RAS & HRAS)	5.5	7/23/2009	No	Yes	Yes	Yes
T-129F	Fresno Area Planned & Forced Outage Requirements	3.1	7/27/2009	No	No	No	No
T-129Z	Fresno Area - Effectiveness Factors	6.1	8/19/2009	Yes	No	No	No
T-131	SONGS Voltage Nomogram Implementation Process	1.0	7/12/2007	No	Yes	Yes	Yes
T-132	San Diego Area	8.2	2/19/2010	No	Yes	Yes	No
T-132A	Operation with Equipment Outages	6.1	3/8/2010	No	Yes	No	Yes
T-132B	Summary Table from SDG&E Procedure TMC1505 On Special Protection Schemes (SPS)	8.0	1/15/2010	No	Yes	No	Yes
T-132C	San Diego Area Limits Summary	2.2	11/20/2009	Yes	No	No	No
T-132D	SWPL Congestion Management	3.0	4/1/2009	No	Yes	No	Yes
T-132E	Monitoring & Mitigation Measures for San Diego Area Miguel Import Nomogram	4.1	8/3/2009	No	Yes	Yes	No
T-132F	Palo Verde Branch Group	3.0	4/1/2009	No	No	No	Yes

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T-132G	Closing TL50002 after SPS Activation for Overload of Miguel Banks 80-81	1.0	8/3/2009	No	No	Yes	No
T-133	Bay Area Transmission Management	18.6	8/24/2009	No	Yes	Yes	Yes
T-133A	Ratings, Bay Area Transmission Equipment	8.0	2/23/2009	No	No	Yes	Yes
T-133D	Sketches, Bay Area Transmission System	6.0	6/30/2009	No	Yes	Yes	Yes
T-133F	Gilroy Special Protection Scheme	1.4	7/20/2009	No	Yes	Yes	Yes
T-133Z	Effectiveness Factors- Bay Area	9.2	8/18/2009	Yes	No	No	No
T-134	Trans Bay Cable Commissioning Testing Protocol	3.4	1/15/2010	No	No	Yes	No
T-134A	Trans Bay Cable Description	3.0	9/1/2009	No	No	Yes	No
T-134A	Trans Bay Cable Description	3.0	9/1/2009	No	No	No	No
T-135	Lugo-Victorville 500 kV Line (Path 61) Nomogram and Sylmar Transformer Banks (Path 41) Curtailment	7.4	6/18/2009	No	Yes	Yes	Yes
T-135A	Victorville- Lugo Nomograms	5.4	12/7/2009	No	Yes	No	Yes

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T-135B	Sylmar Bank Flow Mitigation - LADWP	1.3	6/18/2009	No	No	Yes	No
T-137	Serrano 500/220 AA Transformer Bank Overload Mitigation	6.1	10/2/2009	No	Yes	Yes	Yes
T-137Z	Effectiveness Factors-Serrano 500/220 kV AA Transformer Bank	2.1	10/2/2009	Yes	No	No	No
T-138	Humboldt Area Transmission Management	5.1	2/16/2010	No	Yes	Yes	Yes
T-138A	Description of Fast Load Pick-up	2.1	7/22/2009	No	Yes	Yes	Yes
T-138B	Humboldt Undervoltage Load Shedding Scheme	3.1	9/4/2009	No	Yes	Yes	Yes
T-138C	Ratings, Humboldt Area Transmission Equipment	5.0	7/22/2009	No	Yes	Yes	Yes
T-138Z	Effectiveness Factors & Ratings - Humboldt Area	4.0	8/6/2009	Yes	No	No	No
T-139	Mira Loma 500/220kV AA Transformer Bank Overload Mitigation	4.2	9/7/2007	No	Yes	No	Yes
T-139Z	Effectiveness Factors - Mira Loma 500/220 kV	1.2	7/25/2007	Yes	No	No	No
T-141	Emergency Overload Mitigation for Path 15 in the South-to-North Direction Following Contingencies	3.0	4/1/2009	No	Yes	No	Yes

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T-143	Lugo - Vincent 500 kV Line Overload Mitigation	4.0	12/11/2009	No	No	No	Yes
T-143Z	Effectiveness Factors - Lugo - Vincent	3.0	12/11/2009	Yes	No	No	No
T-144	South-of-Lugo 500 kV Lines	6.4	3/4/2009	No	Yes	Yes	Yes
T-144A	South-of-Lugo RAS Description	2.0	6/16/2006	No	Yes	Yes	Yes
T-145	Santiago 230 kV Bus Voltage after loss of Both San Onofre- Santiago 230 kV lines	1.6	7/13/2009	No	Yes	Yes	Yes
T-151	North Geysers Area - 115 kV	4.0	8/19/2009	No	Yes	No	Yes
T-151Z	North Geysers - Effectiveness Factors	3.1	4/13/2009	Yes	No	No	No
T-152	Huntington Beach Power Plant Units 1-4 Split Bus Operation	1.5	7/20/2009	Yes	No	No	No
T-153	Path 26 Contingency RAS	3.0	12/11/2009	No	Yes	No	Yes
T-154	Drum Area Operations	7.2	8/19/2009	No	Yes	No	No
T-154A	Drum Area/Summit Inter-Tie Operations (available on Internet only)	5.1	7/7/2009	Yes	No	No	No

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T-154B	Sierra Pacific Overload - SPS SEL-49 Relay Operations	1.2	7/22/2009	No	No	Yes	Yes
T-154D	Ratings, Drum Area Transmission Equipment	1.1	7/7/2009	No	Yes	No	Yes
T-154E	Drum-Summit Operating Transfer Capability Limits	2.0	4/1/2009	No	No	Yes	No
T-154F	Marble Tie Management	1.5	9/2/2009	No	No	Yes	No
T-154Z	Effectiveness Factors - Drum Area	2.0	7/23/2009	Yes	No	No	No
T-156	Path 59 (CAISO-WALC Blythe Tie)	3.1	10/9/2008	No	No	No	Yes
T-156A	Path 59 Scheduling Capability Nomogram	1.1	11/9/2007	Yes	No	No	No
T-156B	Blythe - Eagle Mountain 161 kV Line Security Constrained Limit	1.1	11/9/2007	Yes	No	No	No
T-156C	Manual Blythe Power Reduction by WALC	1.1	11/9/2007	No	No	Yes	Yes
T-158	Serrano - Villa Park and Serrano - Lewis Line Clearance	4.0	5/9/2008	No	Yes	Yes	Yes
T-159	Vincent 500/220 kV AA Transformer Bank Overload Mitigation	2.8	12/17/2008	No	Yes	Yes	Yes

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T-161	WECC Open Loop Operation	1.5	1/12/2009	No	Yes	No	Yes
T-163	South of Magunden Nomogram Operations	2.1	7/13/2009	No	Yes	Yes	Yes
T-163A	South of Magunden N-0 Nomogram	2.1	7/13/2009	No	Yes	Yes	Yes
T-163B	South of Magunden N-1 Nomograms	3.1	7/13/2009	No	Yes	Yes	Yes
T-163C	South of Magunden N-2 Nomograms	3.1	7/13/2009	No	Yes	Yes	Yes
T-165	Palermo-Rio Oso Area	7.0	6/3/2009	No	Yes	Yes	Yes
T-165A	Ratings, Palermo - Rio Oso Area Transmission Equipment	2.9	6/3/2009	No	No	Yes	Yes
T-165Z	Effectiveness Factors - Palermo - Rio Oso Area	2.9	7/23/2009	Yes	No	No	No
T-167	Tesla / Bellota Area Operating Instructions	4.6	8/19/2009	No	Yes	No	Yes
T-167Z	Tesla-Bellota Area - Effectiveness Factors	3.1	4/23/2009	Yes	No	No	No
T-168	Path 26 Midway - Vincent RAS	4.1	11/2/2009	No	Yes	Yes	Yes

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T-168A	Path 26 (Midway - Vincent) RAS Nomogram	2.3	8/20/2009	No	Yes	Yes	Yes
T-170	T-170 Mirage-Tamarisk and Mirage-Concho 115 kV Line Overload Mitigation	4.1	6/11/2009	No	Yes	No	Yes
T-171	Antelope - Vincent 220 kV Overload Mitigation	4.1	7/23/2009	No	Yes	Yes	No
T-171Z	Effectiveness Factors – Antelope-Vincent 220 kV	1.1	9/20/2007	Yes	No	No	No
T-173	Westley Operations	2.0	3/26/2009	No	No	Yes	Yes
T-173Z	Effectiveness Factors - Westley Operations	2.0	7/23/2009	Yes	No	No	No
T-174	Parker-Gene Overload Mitigation	2.2	9/8/2009	No	No	No	Yes
T-174Z	Effectiveness Factors - Parker-Gene	1.1	7/15/2009	Yes	No	No	No
T-176	Eldorado - Four Corners - ETCC Update	1.0	4/1/2009	No	No	No	Yes