

Energy Storage and Distributed Energy Resources (ESDER) Phase 2

Pre-Market Simulation Training Session August 7, 2018

(Updated 8/13/18 with correction to slide 27)

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Agenda



- Purpose of ESDER 2 initiative
- Activity timeline
- Review changes to business processes
- Review changes to applications
- Review changes to meter data submission and settlements
- Market simulation activities
- Walk-through of creating and registering a location in DRRS



Purpose of Energy Storage and Distributed Energy Resources – Phase 2

- The central focus of the Energy Storage and Distributed Energy Resources (ESDER) initiative is to lower barriers and enhance the ability of transmission grid-connected energy storage and distribution-connected resources to participate in the market.
- The number and diversity of these resources is growing and represents an increasingly important part of the resource mix.
- Integrating these resources will help lower carbon emissions and add operational flexibility.



To be addressed in the future

Proposed changes under ESDER Phase 3

- New bidding and real-time dispatch options for demand response: hourly block and 15-minute dispatchable
- Removal of the single load serving entity (LSE) aggregation requirement and the need for application of a default load adjustment
- New load shift product for behind-the-meter storage
- Measurement of load curtailment by behind-the-meter electric vehicle supply equipment

* For more information, see the Reference Material section of this presentation



Activity timeline for activation of ESDER 2





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What's changing?







Business Process Changes



Process Change: New performance evaluation methodologies

SCs and DRPs will be calculating baselines and performance based on the following Performance Evaluation Methodologies:

- Control Group
- Day Matching 5-in-10 (Residential Only)
- Day Matching 10-in-10 (Non-Residential Only)
- Day Matching Combined
- Meter Generation Output
- Meter Generation output with 10-in-10
- Weather Matching



New business process for approval of baseline methodology

- DRP submits approval request forms to <u>PDR@caiso.com</u> for baseline approval
- The Performance Evaluation Methodology Approval Request Form satisfies the requirement for a Settlement Quality Meter Data (SQMD Plan) under CAISO Tariff Section 10.3.7.1



Allow 10 business days for this process!



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Business process for creating and registering locations

 Locations are created, reviewed, and registered in the Demand Response Registration System (DRRS) via user interface or API



Business Practice Manuals Updated

- Market Instruments
 - Net Benefits Testing
 - Changes will include addition of all gas price indices used in calculation
- Metering
 - Alternative Baselines (section 12):
 - Explain new baselines and changes to existing systems
 - Station Power (section 10):
 - Provide examples of wholesale/retail uses for generation and storage
 - Clarify permitted/prohibited netting rules

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Business Practice Manuals Updated

- Settlements & Billing (Overall description):
 - Consume new data elements from MRI-S (meter values)
 - Use the Net Benefit Test Price based upon modified calculations
 - Zero out Performance Meter when Total Expected Energy is zero and submitted meter value is not zero
 - Zero out Default Load Adjustment when Total Expected Energy is zero and submitted meter value is not zero
 - Apply all other PDR/RDRR current settlement rules
 - Consume and apply new Net Benefit Price using current Settlement rules



Business Practice Manuals Updated

- Settlements & Billing (Actual BPM changes):
 - MSS Netting Pre-Calculation
 - Check for zero TEE, if so ignore performance meter data; else, take in meter data
 - Create a flag with value 1 when TEE is zero
 - RUC No Pay Quantity Pre-Calculation
 - When TEE is zero ignore performance meter; don't compute RUC no pay calculations
 - RT Energy Quantity Pre-Calculation
 - When TEE is zero, don't adjust PDR quantity at associated Load location



Settlements Changes/Updates

Three settlements pre-calculation configuration guides have been updated to address the implementation of ESDER 2:

- CG PC MSS Netting v5.8
- CG PC RUC No Pay Quantity v5.16
- CG PC Real Time Energy Quantity v5.18

These guides are available on caiso.com:

 Release Planning > Fall 2018 Release > Draft Settlements technical documentation





Applications Changes

DRS DRRS MRI-S



Wind-down of Demand Response System (DRS) functionality

- DRS will operate in parallel with MRI-S for data submission and baseline calculation for trade dates 10/31 and prior
- Data for trade date 11/1 and beyond must be submitted in MRI-S
- After the Settlements cycle is complete for trade date 10/31, DRS will become read-only

Upload/download meter data and calculate/download customer baseline information in DRS

Trade date 10/31 and prior

Submit baseline and performance data in MRI-S

Trade date 11/1 and forward



Timeline for wind-down of DRS





17

Wind-down of DRS functionality

- DRS submit services will end for all trade dates 11/1 and forward
- During parallel operations, SCs and DRPs can continue to submit meter data for trade dates 10/31 and prior until the 172B cut off
- SCs and DRPs have the option to not use the DRS for trade dates prior to 10/31, by calculating the baseline (based on the baseline they are approved for) and submitting the DREM to MRI-S
- DRS will continue to be available in read-only mode for three years after the settlement cycle is complete for trade date 10/31/18



Application Changes – Demand Response Registration System (DRRS)

- New baseline methodology options added
 - Only approved baselines will be available in the dropdown
- Changes to DRRS registration process to identify control group and treatment group locations
 - The control group is used as a baseline data set that the treatment group is compared to in order to determine performance



Relationship between a control group and a treatment group

Control Group

A list of at <u>least 150</u> locations with similar characteristics as those in the Treatment Group

DO NOT respond to CAISO dispatch

Can be from multiple sublaps

Treatment Group

List of locations that share similar characteristics as those in the Control Group

DO respond to CAISO dispatch

May ONLY be from 1 sublap



Registration rules for control groups and treatment groups

When creating a registration, locations will be identified as being in the registration's control group or treatment group.

- A control group location can be used in multiple registrations as a control group, but cannot be a treatment group in <u>any</u> registration
- A treatment group can consist of one or more locations as long as they're in the same sub-lap



Application Changes – Market Results Interface – Settlements (MRI-S)

DREM and baseline data will be submitted in MRI-S. This data is submitting using a number of measurement types.

Measure- ment Type	Performance Energy Methodology										
	Meter Generator Output	Meter Generator Output ¹ 10 in 10	Control Group	Day Matching 5 in 10	Day Matching 10 in 10	Day Matching Combine d	Weather Matching	Any Performance Energy Methodology Using Ancillary Service			
GEN	х	х	Х	Х	Х	Х	Х	Х			
LOAD								Х			
CBL		х	Х	х	х	Х	Х	Х			
TMNT			Х								
MBMA								Х			

1. The CBL applies to the portion of the performance measurement that uses the Day Matching performance Methodology.



MRI-S UI Change 😂 California ISO 🛛 Market Results Interface - Settlements 🛛 🖡 🖶 📾 🥶 🔎 🔗 🚽 Batch Status Meter Data Date From: 31 To: 31 SCID/ACL Group: [ALL] 🗸 🔚 Resource: [ALL] V UOM: MWH 🗸 Interval Length: 5 V Reset 07/26/2018 07/26/2018 Apply Measurement Type: Resource Type: [ALL] V User Filter: [ALL] 🗸 User Filter Resource: [ALL] V UpdateSinceDateTime: 31 GEN LOAD Manage User Filte MBMA Meter Data Settlement Data ∕¢ 🗄 Rows 25 V ゆ 阳 Trade Date Version Value Quality Current Previous Trade Date Interval End Time GMT Interval End Time PPT Interval Length Interval ID 👌 Resource ID 👌 SCID Measurement Type Resource type UOM Value Quality Batch Id Value Quality Batch Id × No Data found

Note: Settlement data is populated only when meter interval length is specified as 5 minutes.

The new measurement type for Meter Before/Meter After (MBMA) has been added to MRI-S



Net Benefits Test Results - updated

		Calendar Today	's Outlook F	Recent Documents N	News Careers	Contact Us			
California ISO	20 YEARS			Search		Q			
ABOUT US PARTICIPATE	STAY INFORMED PLANNING	MARKET & OPERATIONS		RULES	ISO EN ESPAÑOL				
	Home > Market Operations > Report	Market Processes and Products	d Trans	mission Operations	3				
About Us Participate	Reports and bullet	Network and Resource Modeling	e Powe Board	er Contracts Bulletin					
Stay Informed	Special reports and audits r	Outage Management	Repo	rts and Bulletins	С	ur			
Planning	markets and operations.	Interchange Schedulin	ng Marke	Market Monitoring					
Market & Operations		-	- Marta	ct Montoning					
Market Processes	Market reports	Metering and Telemetr	ry						
Congestion revenue rights	Reports and audits regarding system reserve charts, reports on load shed				C	ontingency			
Network and Resource Modeling	Daily renewables watch, montl The daily Renewables Watch pro Renewables reports provide imp	Settlements			re al	e ports ISO grid. alifornia			
Outage Management	moves towards a 33 percent renewable generation portfolio.								
Interchange Scheduling	Capacity procurement mechanis	m 回							
Metering and Telemetry	The ISO issues preliminary notifica	tion of a CPM designation	n through a i	market notice and p	orovides additio	nal details in			
Settlements	a formal designation report within 10 days after the end of the month. Demand response net benefits test results These results provide on-peak and off-peak monthly threshold market clearing prices applicable to demand response								
Transmission Operations									
Power Contracts Bulletin	resources. The results are published on the 15th of every month for the preceding trade month.								
Board	 (+) Demand response net benefits test results 2018 IF (+) Demand response net benefits test results 2017 IP IP IP 								





Meter Data & Settlements Changes



Data Submission for Analysis and Monitoring

- DRP shall submit hourly data by Resource ID and Registration ID for analysis and monitoring
 - Customer Load Baseline (CBL)
 - Treatment Group Load Data (TMNT)
- This baseline data is used for monitoring purposes and will not flow to Settlements
- Although MRI-S is used to collect baseline data, it is not considered "meter data," which means that it cannot be displayed or retrieved using MRI-S



Performance Data for Settlements

- Demand Response Energy Measurement (DREM) is to be submitted for all demand response events
- This settlements data must be submitted in 5 minute granularity
 - DREM is submitted in the following measurement types:
 - GEN
 - LOAD
 - MBMA



Ancillary Services Data for Settlements

- A new measurement type of Meter Before/Meter After (MBMA) was created for the DRP/SC to submit load data for resources that are AS certified. This will be mapped to data used for existing AS no-pay settlement calculation to not pay any "undelivered" AS.
- The DRP/SC shall submit load data for the period of any AS award as LOAD measurement type (5 minute granularity)
- The DRP/SC shall submit MBMA load data for one interval prior to the DR event and one interval after the event as MBMA measurement (5 minute granularity)





Market Simulation Activities

Market Simulation Activities

- The purpose of market simulation is to provide customers with the ability to preview and test the following items:
 - Net Benefits Test report
 - DRRS approval of baselines
 - Validation of measurement types for baselines
- There is a link to the market sim structured scenarios document in the reference section
- Users must be provisioned for access in order to participate in market simulation



Access to applications in market sim environment

No new roles are being implemented as part of ESDER 2

• If user(s) already have access, no change is needed

Work with your user access administrator (UAA) to obtain access to DRRS and MRI-S

- Access to DRRS and MRI-S is managed using the Access and Identity Management (AIM) application
- Submit requests for access to DRRS and MRI-S in market simulation and production environments



Application access



California ISO Market Applications

Market Participant Portal CAISO.com MAP-STAGE

Application Access



Access and Identity Management

Inquiries & Disputes



Customer Inquiry Dispute and Information

Market & Operations



Metering



Operational Meter Analysis & Reporting

OASIS



Open Access Same-Time Information System

Outage Coordination



WebOMS Outage Management System

Reliability Requirements



Customer Interface for Resource Adequacy



Resource Adequacy Availability Management

Renewables & Demand Response DRS Demand Response System Demand Response DRRS Registration System Participating Intermittent S PIRP Resource Program

Settlements



Market Results Interface -Settlements

Systems & Resource Modeling



Transmission Registry



Master File

RIMS

Resource Interconnection Management System

RIMSG



Resource Interconnection Management System -Generation





Walk-through of steps to create and register a location

Walk through process of creating location and registration





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Each time the status of a location changes, an email notification is sent to the DRP, UDC, and LSE.

Notifications are sent based on the role assigned to the DRRS user in AIM.



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Create new location

• Functionality for DRP only

California ISO Demand Response Registration System
DRP VIEW UDC VIEW LSE VIEW Locations Image: strations Image: strations Registrations Image: strations Image: strations Image: strations Image: strations Image: strations Image: strategie st
California ISO Demand Response Registration System
DRP VIEW Locations
LOC ID LOC Name SAN DRP [ALL] V UDC [ALL] V LSE [ALL] V SUBLAP [ALL] V
Create Copy Delete Defend Withdraw Edit End Date Register
Locations È Y ≚ E I Click Create ↓


Create new location

California ISO Demand Response Registration System

DRP VIEW	UDC VIEW	LSE VIEW	
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V Create New Locations

Create New L	ocation	
Name*	Address 1*	
SAN*	Address 2	
Start Date*	31 City*	
End Date*	31 State*	California
DRP*	∠ Zip*	
UDC*	Address Type	
LSE*	✓	
SUBLAP*	✓	
PNODE	✓	
	Cancel Save	Submit

- Required fields are marked with an asterisk
- Choices in SUBLAP field are determined by Start Date/End Date
- **PNODE** is required if creating a registration for a custom resource
- Save will save in draft mode
- **Submit** will send to UDC/LSE for review

DRP 37



Create new location: Save button

• Status will be set to **New** when location is saved

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Select Loc Id 📑	Name	SAN	DRP UDC	LSE S	UBLAP	PNODE	Start Date	End Date Status
541406	Example for training - rkm	123456	DABC UAB	C LABC S	SLAP_ABCD		07/01/2016	06/30/2017 New



Create new location: Submit button

- Status will be set to **Pending** when location is submitted
- Notification will be sent to UDC and LSE

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Select Loc Id	Name	SAN	DRP	UDC LSE	SUBLAP	PNODE	Start Date	End Date Status
541406	Example for training - rkm	123456	DABC	UABC LABC	SLAP_ABCD		07/01/2016	06/30/2017 Pending



Location review by UDC

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541406 Example for training - r	ikm.	123456	DABO	UABC	LABC	SLAP_AB	CD	07/01/20	16 0	6/30/2017	06/23/2016	05/24/2016	Pending		
Location Address			Address 2				City	State	Zip		Туре				

- Location created by DRP is selected using check box
- Note the review start and review end dates and the status of the location
- Click Review



Location review by UDC

/IEW	UDC VIEW LSE VIEW								
DC V	IEW Confirm Review Loca	ations							
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	Name	SAN	DRP	UDC	LSE	SUBLAP	PNODE Start Date	End Date	Location Status
106	Example for training - rkm	123456	DABC	UABC	LABC	SLAP_ABCD	07/01/2016	06/30/2017	Pending

Valid Location	\checkmark	
Reviewer Name*	UDC Reviewer	
Phone* (Format: xxx-xxx-xxxx)	916-351-4400 ×	
Review Comment	(Note: Comments are required if Valid Location field is not checked)	$\hat{}$

Are you sure you want to Submit the Review for above Locations?

Continue

- Reviewer Name
 and Phone are
 required fields
- Review Comment is required if Valid Location box is not checked



Cancel

Location review by UDC

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Location	Address												
Address 1			Address 2			City	State	Zip	Туре				
250 Outcroppin	g Way					Folsom	CA	55630					

 Status is still pending because LSE needs to review, but you can see that UDC Reviewed is set to Yes and the name & contact number are filled out



Location review by LSE

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Select Loc Id Name		SAN	DRP	UDC	LSE	SUBLAP	PNODE	Start Dat	e End Date	Review Start	Review End	Status	Reviewed Reviewer Name	Contact
541406 Example for train	ing - rikm	123456	DABC	UABC	LABC	SLAP_ABCD		07/01/201	16 06/30/2017	06/23/2016	06/24/2016	Pending		
Location Address														
Address 1			Address 2				City	State	ZIp	туре				
250 Outcropping Way							Folsom	CA	95630					

- Location created by DRP is selected, you see the address info in the bottom section
- Click Review



43

Location review by LSE

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LSE VIEW Confirm Review Location	18				
Locations To Be Reviewed	d				
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Valid Location Reviewer Name* LSE Reviewer Phone* (Format: xxx-xxx.) 916-351-4400 Review Comment (Note: Comme checked) Are you sure you want to Submit the Cancel Continue	r ents are required if Valid Location he Review for above Lo	n field is not	 Rev and requ Rev is re Loc che 	viewer Na Phone a uired field view Com equired if ation bo cked	ame are is nment Valid x is not
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Location review completed

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Review													
Locations													
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Select Loc Id 🔍 Name	SAN	DRP UDC	LSE	SUBLAP	PNODE	Start Date	End Date	Review Start	Review End	Status	Reviewed R	levlewer Name	Contact
541406 Example for training - rkm	123456	DABC UABC	LABC	SLAP_ABCD		07/01/2016	06/30/2017	06/23/2016	06/24/201	Inactive	Y L	SE Reviewer	916-351-4400
Location Address													
Address 1	Add	ress 2			City	State	Zip	туре					
250 Outcropping Way					Folsom	CA	95630						

- Once the location has successfully completed the LSE and UDC review, the status is set to Inactive
- The DRP can now add the location to a registration







California ISO	/ registration Demand Response Regist	ration System 🛛 🔶 🖶 🕫 🔁 🕫	DRRS
DRP VIEW Registration			
Registration Reg Id Name* Start Date* Start Date* DRP* UDC* LSE* Baseline Method* SUBLAP V	Choices in these fields will filter results shown in Available Locations	DLAP* V DRP SCID* V Program* V Resource Type* V Resource IIII V PMax Status New	
Refresh Available Locations Available Locations Image: Solution of the soluti	Rows 25 V End Date PNODE	Save Submit	Distribution Factor
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Create new registration: Select baseline method

California ISO Demand Response Registration System

Registration	
Reg Id	
Name*	
Start Date*	31
End Date*	31
DRP*	✓
UDC*	
LSE*	
Baseline Method*	EMPTY
SUBLAP	✓

 Select the baseline method that will be used to determine the performance of your resource
 Note: Baseline method will be empty until DRP has received approval from ISO for specific baseline methods



DRP VIEW UDC VIEW LSE VIEW

Registration

DRP VIEW

Create new registration: Select baseline method

California ISO Demand Response Registration System

DRP VIEW	Registration
Registration	
Reg Id	
Name*	
Start Date*	31
End Date*	31
DRP*	V
UDC*	V
LSE*	
Baseline Method*	EMPTY
SUBLAP	

- Available baseline methods:
 - Control Group
 - Day Matching 10/10
 - Day Matching 5/10 (Residential Only)
 - Day Matching Combined
 - Meter Generation Output
 - Meter Generation Output with 10 in 10
 - Weather Matching
- * Items in bold are the new baseline methods



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49

Create new registration: retired baseline methods

- Baseline methods that will not be available after ESDER2 implementation
 - Hourly Gen
 - 10 in 10 with SMA



Create new registration California ISO Demand Response Registration System DRRS DRP VIEW UDC VIEW LSE VIEW DRP VIEW Registration Registration **Available Locations** Reg Id DLAP⁴ ~ will also be filtered Name³ ~ DRP SCID* based on Resource ~ Start Date* 31 Program* End Date* < Resource Type* Type DRP* ¥ Resource -EMPTY---× UDC* × PMax LSE* ~ Status New Baseline Method* -EMPTY---× SUBLAP < **Refresh Available Locs** Show/Refresh Available Locations **Available Locations** Selected Locations **Distribution Factor** > Ê ŧ. .∎ . 0 - 0 of 0 🕨 🕨 🔽 Rows 25 V ŝ 📲 ר 🕗 0 Name End Date PNODE ㄱ 🕖 ID SAN Start Date Rows 25 🗸 **Distribution Factor** Rows 25 V PNODE (2 decimal places ID NAME SAN Start End Date Date PNODE Control Treatment Group Group allowed) >>

Cancel

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Save ISO PUBLIC - © 2018 CAISO

Submit

51

Create new registration California ISO Demand Response Registration System ● ◆ ● ☜ ₴ ፆ ፆ 책 → DRRS DRP VIEW UDC VIEW LSE VIEW DRP VIEW Registration Registration Reg Id DLAP* ~ Name⁴ DRP SCID* ¥ Start Date* Program* ~ End Date* 31 × Resource Type* DRP^{*} ~ Resource -EMPTY---¥ UDC* × PMax LSE* Status New × Baseline Method* EMPTY---~ SUBLAP ~ Refresh Available Locs Show/Refresh Available Locations Selected Locations Available Locations Distribution Factor > Rows 25 ŧ, . ŝ 📲 14 0 - 0 of 0 🕨 🕨 I. 0 - 0 of 0 ٩ . 0 PNODE ID Name SAN Start Date End Date 0 - 0 of 0 • Rows 25 V Ð Rows 25 V Distribution Factor PNODE (2 decimal places ID NAME SAN Start End PNODE Control Treatment Date Date Group Group allowed) **Available Locations** Use the arrow buttons to add are displayed here >> to Selected Locations Cancel Save Submit California ISO ISO PUBLIC - © 2018 CAISO 52

Create new registration: Control Group/Treatment Group

 When using the Control Group baseline method, you must assign at least 150 locations to a control group and at least one location to the Treatment Group

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roup or treatment group							
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Create new registration: Control Group/Treatment Group

- Once you've checked a box, you can use the Ctrl + Down Arrow keys to check all of the boxes in that column
- This hotkey works for un-checking boxes as well

Show/Refresh Available Locations								
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ŝ, ∰ 4 4 0 - 0 ot 0 ≯ ≯ 60	Rows 25 V	Update	Cancel 😋				_	_
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		556775000148	LL_LOCATION_148	LL_LOCATION_148	08/01/2018	12/30/2019	0	
		556775000147	LL_LOCATION_147	LL_LOCATION_147	08/01/2018	12/30/2019	0	
		556775000146	LL_LOCATION_146	LL_LOCATION_146	08/01/2018	12/30/2019	0	
		556775000145	LL_LOCATION_145	LL_LOCATION_145	08/01/2018	12/30/2019	E	
		556775000144	LL_LOCATION_144	LL_LOCATION_144	08/01/2018	12/30/2019	0	
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54

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Pre-Defined •

- Resource field will display available resources that can be selected based on **Registration information** provided, including:
 - Resource IDs previously assigned to the DRP
 - Unassigned Pre **Defined resource IDs** for the identified **SUBLAP**



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DRRS

DRP VIEW UDC VIEW LSE VIEW

DRP VIEW Registratio

Registration						
Reg Id			DLAP*		\checkmark	
Name*			DRP SCID*		\checkmark	
Start Date*	31		Program*		\checkmark	
End Date*	31		Resource Type*			
DRP*			ResourceEN	MPTY		
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Create new registration (from Locations tab)

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DRP VIEW UDC VIEW LSE VIEW ADMINISTRATION

DRP VIEW Locations

		LOC Name	SAN DRP	[ALL] 🔽 UDC	[ALL] 🔽 LSE	[ALL]		P [ALL]	Apply Reset			
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1	543170000004	New Test Location B		01237588	DABC	UABC	LABC	SLAP_ABCD		02/01/2018	02/05/2018	Pending
	543170000003	New Test Location C		01237590	DABC	UABC	LABC	SLAP_ABCD		02/01/2018	02/25/2018	Pending
	542963000001	New Test Location D		01237600	DABC	UABC	LABC	SLAP_ABCD		01/01/2018	01/31/2018	Active
	42959000001	New Test Location E		01237808	DABC	UABC	LABC	SLAP_ABCD		08/15/2016	12/31/2020	Inactive
1	542922000004	New Test Location F		01237444	DABC	UABC	LABC	SLAP_ABCD		01/01/2018	01/05/2018	Active
	542922000003	New Test Location G		012511087	DABC	UABC	LABC	SLAP_ABCD		01/01/2018	01/25/2018	Pending

- A registration can also be created from the Location tab
- Use check box to select location(s) and click Register



Next steps for DRP



- The registration in DRRS for the Resource ID need to be in a "Confirmed" status prior to submitting the RDT form to <u>RDT@caiso.com</u>.
- The Master File team will provide an effective date subject to the Full Network Model Implementation and Master File Data Freeze timeline.



Next steps for the SC or DRP



* Follow all settlements meter data timelines

SC/DRP



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60

Helpful tip

- Send an email to <u>PDR@caiso.com</u> to be added to the DRRS email notifications
- this is helpful when it comes to the defend process and when the registrations are approaching their end-date





Questions?

Questions?

- Support during market simulation:
 - Contact the ISO service desk at (888) 889-0450 or servicedesk@caiso.com
 - Submit a CIDI ticket (select the appropriate market sim environment)
- Support after production release:
 - Contact the ISO service desk at (888) 889-0450 or servicedesk@caiso.com
 - Submit a ticket in CIDI (select the Production environment)





Reference Material

Links to documentation Terms and acronyms Screen layouts Control group walkthrough Sample notifications

Reference Material

- Market Simulation Structured Scenarios:
 - <u>http://www.caiso.com/Documents/StructuredScenarios-</u>
 <u>EnergyStorageandDistributedEnergyResourcesPhase2.pdf</u>
- Business Requirements Specification for Energy Storage and Distributed Energy Resources Phase 2:
 - <u>http://www.caiso.com/Documents/BusinessRequirementsSpecifi</u>
 <u>cation-EnergyStorage_DistributedEnergyResourcesPhase2.pdf</u>
- Technical Specifications:
 - <u>http://www.caiso.com/Pages/documentsbygroup.aspx?GroupID=</u> <u>A725D892-01DA-4BCB-905B-91786873A1AB</u>
- Draft Settlements technical documentation:
 - <u>http://www.caiso.com/Pages/documentsbygroup.aspx?GroupID=</u> 89927D64-5FA3-42D0-8A37-AB6755D2D733



Reference Material (ESDER Phase 3)

- ESDER Phase 3 Web Conference (7/16/2018) Full Recording:
 - <u>https://www.youtube.com/watch?v=JI3zHAPr7qE&feature=youtu.be</u>
- ESDER Phase 3 Web Conference (7/16/2018) Slides:
 - <u>http://www.caiso.com/Documents/Agenda-Presentation-EnergyStorage-</u> <u>DistributedEnergyResourcesPhase3-Jul162018.pdf</u>
- ESDER Phase 3 Draft Final Proposal:
 - <u>http://www.caiso.com/Documents/DraftFinalProposal-EnergyStorage-</u> <u>DistributedEnergyResourcesPhase3.pdf</u>



Terms and acronyms

Demand Response Provider (DRP)

Load Serving Entity (LSE)

Utility Distribution Company (UDC)

Locations

- Physical location of the demand response entity
- Includes customer data such as service account number, physical service address, etc.
- Uniquely identified by service account number and UDC
- Submitted for review by LSE and UDC



Terms and acronyms

PDR/RDR Resource ID

- Select from available list of IDs during registration
- One ID per registration
- Unique ID used for participation in the ISO wholesale markets (scheduling/bidding and settlement)
- Resource specific information for the ID resides in the ISO Master File

Registration

• May be comprised of a single location or many locations

Service Account Number (SAN)

Unique number assigned to a location by the UDC



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Acronyms

Acronym	Description
AARF	Application Access Request Form
AIM	Access and Identity Management
API	Application Programming Interface
CBL	(stands for baseline load data)
CIDI	Customer Inquiry, Dispute and Information
DREM	Demand Response Energy Measurement
DRP	Demand Response Provider
DRRS	Demand Response Registration System
DRS	Demand Response System
ESDER	Energy Storage and Distributed Energy Resources
LSE	Load Serving Entity
MBMA	Meter Before/Meter After
MRI-S	Market Results Interface – Settlements
MSS	Metered Subsystem



Acronyms

Acronym	Description
PDR	Proxy Demand Response Resource
PNODE	Pricing Node
RDRR	Reliability Demand Response Resource
RDT	Resource Data Template
RT	Real-Time
RUC	Residual Unit Commitment
SAN	Service Account Number
SC	Scheduling Coordinator
SQMD	Settlement Quality Meter Data
TEE	Total Expected Energy
TMNT	Treatment Group Load Data
UAA	User Access Administrator
UDC	Utility Distribution Company





Screen Layouts

DRRS

Role-based tabs

Users will see one or more tabs based on their role(s)

- DRP VIEW (create locations and registrations)
- UDC VIEW (review locations and view registrations)
- LSE VIEW (review locations and view registrations)

Each tab has two items

- Locations
- Registrations


Role-based tabs

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	IEW	
Locations		
Registrations		







Users with multiple roles should select the tab that corresponds with the function they are performing at that moment

For example, select UDC VIEW to see all locations that are assigned to you as the UDC



Layout of Locations screen (DRP view)

California ISO Demand Response Registration System ♦ ♦ ● २ ₽ ₽ ₽ DRRS DRP VIEW UDC VIEW LSE VIEW DRP VIEW Locations DRP [ALL] V UDC [ALL] V LSE [ALL] V SUBLAP [ALL] SAN Apply Reset LOC ID LOC Name Create Copy Delete Defend Withdraw Edit End Date Register Locations Registrations 🗞 🍸 🎽 国 1 - 30 of 77 🕨 🚺 🗖 🗩 ר 호 📲 Select Loc Id Name Reg Id Reg Name Start Date End Date Status SAN UDC LSE SUBLAP PNODE Start Date DRP End Date Status 54136 541322 06/27/2016 07/30/2018 Pending All locations are shown here ٠ 541282 07/16/2018 09/16/2018 Pending 541221 06/20/2016 06/20/2016 Withdrawn Use check box to select an individual 541203 • 06/20/2016 06/23/2016 End Dated 541202 06/21/2016 06/30/2017 Disputed 541163 07/16/2017 09/16/2017 Active location and more information will 541162 07/16/2017 09/16/2017 Active 541161 07/16/2017 09/16/2017 Inactive 541123 display in the other sections 06/16/2016 06/16/2017 Inactive 541122 05/31/2016 05/31/2016 Withdrawn 541081 05/23/2016 05/31/2017 Active Location Address Address 1 Address 2 City State Zip Туре Location Review Details LSE Contact Info LSE Approved LSE Comments LSE Reviewer UDC Approved UDC Comments UDC Reviewer **UDC Contact Info** Location Defend Details - Incumbent Location Defend Details - Prospective ŝ 🗉 彭 閏 Name Contact Info Name Contact Info Comments Comments



Locations screen: Buttons available to DRP



- Create: Used when a location is being created for the first time
- Copy: Ability to copy a previously created location
- Delete: Actionable for certain location statuses
- Defend: Use this button when a location is determined to be a duplicate (i.e. SAN is being used by another DRP)
- Withdraw: Use when a location has been submitted for review but not completed the review process
- Edit: Make changes to a location (editable fields will depend on the status of the location)
- End date: Actionable for certain location statuses
 - Use this button if today is the end date
 - Use Edit button to end date a location for a date other than today
- Register: Select location(s) from the list and click register to create registration



Layout of Locations screen (UDC and LSE view)





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Locations screen: Buttons available to UDC and LSE



 Review button allows UDC and LSE to review locations submitted by the DRP







Layout of Registrations screen (DRP view)





Registrations screen: Buttons available to DRP



- Create: Used when a registration is being created for the first time
- Edit: Make changes to a registration (editable fields will depend on the status of the registration)
- Copy: Ability to copy a previously created registration
- Terminate: Allows the DRP to delete a registration
- Delete: Allows the DRP to delete a registration that has a status of **New**



Layout of Registrations screen (UDC and LSE view)



- Note: There are no top level buttons available to the UDC or LSE
- Registration section is view-only for these roles







Control Group Walkthrough

Approach 1

DRP View > Locations

- Begin on the Locations screen
- The Rows drop-down will let you view 200 rows per page
- Select the required locations

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C 5 001700141 ST_LOC_MALT_TEST141 SAAL_NC154 0706/0216 Notified C 5 001700140 ST_LOC_MALT_TEST140 SAAL_NC156 0706/0216 12002015 Notified C 5 001700140 ST_LOC_MALT_TEST140 SAAL_NC156 0706/0216 12002015 Notified C 5 001700140 ST_LOC_MALT_TEST138 SAAL_NC156 0706/0216 12002015 Notified C 5 001700140 ST_LOC_MALT_TEST138 SAAL_NC158 0706/0216 12002015 Notified C 5 001700140 ST_LOC_MALT_TEST138 SAAL_NC158 0706/0216 12002015 Notified C 5 001700140 ST_LOC_MALT_TEST138 SAAL_NC158 0706/0216 12002015 Notified C 5 001700150 ST_LOC_MALT_TEST138 SAAL_NC158 0706/0218 12002015 Notified C 5 001700151 ST_LOC_MALT_TEST138 SAAL_NC158 0706/0218 12002015 Notified C 5 001700151 ST_LOC_MALT_TEST138 SAAL_NC158 0706/0218 12002016 Notified C 5 001700152 ST_LOC_MALT_TEST128 SAAL_NC158 0706/0218 <td>1.7857143 544,00140 01050296 12002095 Mediae 1.7857146 544,00140 01050296 Mediae 1.7857146 544,00140 01050296 Mediae 1.7857146 544,00140 01050296 Mediae 1.7857138 544,00137 01050296 Mediae 1.7857138 544,00137 01050296 12002095 Mediae 1.7857138 544,00137 01050296 12002095 Mediae 1.7857138 544,00137 01050296 12002095 Mediae 1.7857138 544,00138 01050291 12002095 Mediae 1.7857137 544,00138 01050291 12002095 Mediae 1.7857138 544,00139 01050291 12002095 Mediae 1.7857139 544,00139 01050291 12002095 Mediae 1.7857139 544,00139 01050291 12002095 Mediae 1.7857139 544,00138 01050291 12002095 Mediae 1.7857139 544,00128</td> <td>5 3067000142</td> <td>ST_LOG_NAL1_TEST142</td> <td>SAN_N</td> <td>0142</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>07/06/0016</td> <td>12/30/2015</td> <td>inactive .</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1.7857143 544,00140 01050296 12002095 Mediae 1.7857146 544,00140 01050296 Mediae 1.7857146 544,00140 01050296 Mediae 1.7857146 544,00140 01050296 Mediae 1.7857138 544,00137 01050296 Mediae 1.7857138 544,00137 01050296 12002095 Mediae 1.7857138 544,00137 01050296 12002095 Mediae 1.7857138 544,00137 01050296 12002095 Mediae 1.7857138 544,00138 01050291 12002095 Mediae 1.7857137 544,00138 01050291 12002095 Mediae 1.7857138 544,00139 01050291 12002095 Mediae 1.7857139 544,00139 01050291 12002095 Mediae 1.7857139 544,00139 01050291 12002095 Mediae 1.7857139 544,00138 01050291 12002095 Mediae 1.7857139 544,00128	5 3067000142	ST_LOG_NAL1_TEST142	SAN_N	0142						07/06/0016	12/30/2015	inactive .							
6 500700140 571_00_1MA1_TEST104 SAK_VC140 0708/0214 12002018 Healthe 6 500700158 571_00_1MA1_TEST108 SAK_VC158 0708/0214 12002018 Healthe 6 500700158 571_00_1MA1_TEST108 SAK_VC158 0708/0214 12002018 Healthe 6 500700157 571_00_1MA1_TEST105 SAK_VC158 0708/0214 12002018 Healthe 6 500700158 571_00_1MA1_TEST108 SAK_VC158 0708/0214 12002018 Healthe 6 500700158 571_00_1MA1_TEST108 SAK_VC158 0708/0214 12002018 Healthe 6 500700158 571_00_1MA1_TEST108 SAK_VC158 0706/0218 12002018 Healthe 6 500700158 571_00_1MA1_TEST108 SAK_VC158 0706/0218 12002018 Healthe 6 500700158 571_00_1MA1_TEST108 SAK_VC158 0706/0218 12002018 Healthe 6 500700158 571_00_1MA1_TEST108 SAK_VC128 0706/0218 12002016 <	1,7857146 MALVACIAG 07060206 10000206 Maximum 1,7857136 MALVACIAG 07060206 Maximum Maximum 1,7857136 MALVACIAG 07060206 10000206 Maximum 1,7857136 MALVACIAG 07060206 10000206 Maximum 1,7857136 MALVACIAG 07060206 10000206 Maximum 1,7857137 MALVACIAG 07060206 10000206 Maximum 1,7857136 MALVACIAG 07060206 10000206 Maximum 1,7857137 SALVACIAG 07060206	5 3067000141	ST_LOG_NAL1_TEST141	SAN_N	0141						0106/0018	12/30/2015	inective -							
2 5 500700018 ST_LOC_NALT_REST08 SAN_NC158 50100019 Headher 3 500700018 ST_LOC_NALT_REST08 SAN_NC158 50100019 Headher 4 50070019 ST_LOC_NALT_REST08 SAN_NC158 50100019 Headher 5 50070019 ST_LOC_NALT_REST08 SAN_NC158 50100019 Headher 5 50070019 ST_LOC_NALT_REST08 SAN_NC158 50100019 Headher 6 500700193 ST_LOC_NALT_REST08 SAN_NC158 50100019 Headher 6 500700193 ST_LOC_NALT_REST08 SAN_NC158 50100019 Headher 5 500700193 ST_LOC_NALT_REST08 SAN_NC158 50100019 Headher 6 500700193 ST_LOC_NALT_REST08 SAN_NC158 50100019 Headher 6 500700193 ST_LOC_NALT_REST08 SAN_NC158 501000195 Headher 6 500700193 ST_LOC_NALT_REST08 SAN_NC158 501000195 Headher 500700019 ST_LOC_NA	1.7821738 540,00138 0706028 12060218 Mathem 1.7821738 540,00138 0706028 12060218 Mathem 1.7821738 540,00137 0706028 12060218 Mathem 1.7821738 540,00137 0706028 12060218 Mathem 1.7821736 540,00137 0706028 12060298 Mathem 1.7821736 540,00138 0706028 12060298 Mathem 1.7821736 540,00138 07060298 12060298 Mathem 1.7821736 540,00138 07060298 12060298 Mathem 1.7821736 540,00138 07060298 12060298 Mathem 1.7821737 540,00138 07060298 12060298 Mathem 1.7821738 540,00138 07060298 12060298 Mathem 1.7821738 540,00128 07060298 12060298 Mathem 1.7821738 540,00128 07060298 12060298 Mathem 1.7821738 540,00128 07060298 12060298 <td>5 5087000140</td> <td>ST_LOC_NAL1_TEST140</td> <td>BANUN</td> <td>0140</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>07/06/2018</td> <td>12/90/2018</td> <td>inective -</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	5 5087000140	ST_LOC_NAL1_TEST140	BANUN	0140						07/06/2018	12/90/2018	inective -							
6 5 500700136 51_00_0_M41_TEST136 5AK_NC156 00705106 12002016 Methe 6 500700156 51_L00_M41_TEST137 5AK_NC157 00706100 12002016 Methe 6 500700158 51_L00_M41_TEST137 5AK_NC158 00706100 12002016 Methe 6 500700158 51_L00_M41_TEST135 5AK_NC158 00706100 12002016 Methe 6 500700158 51_L00_M41_TEST135 5AK_NC158 00706100 12002016 Methe 6 500700158 51_L00_M41_TEST135 5AK_NC154 00706100 10040016 12002016 Methe 6 500700158 51_L00_M41_TEST132 5AK_NC153 00706100 10040016 12002016 Methe 6 500700158 51_L00_M41_TEST135 5AK_NC153 00706100 10040016 12002016 Methe 6 500700158 51_L00_M41_TEST128 5AK_NC153 00706102 12002016 Methe 6 500700158 51_L00_M41_TEST128 5AK_NC157	1,7251735 542,90137 0706009 5000009 Methe 1,7251735 542,90137 0706009 1000009 Methe 1,7251736 542,90137 0706009 1000009 Methe 1,7251736 542,90138 0706009 1000009 Methe 1,7251736 542,90138 0706009 1000009 Methe 1,7251736 542,90138 0706009 1000009 Methe 1,7251737 544,90137 0706099 1000009 Methe 1,7251737 544,90138 0706099 1000009 Methe 1,7251738 544,90138 0706099 1000009 Methe 1,7251738 544,90128 0706099 1000009 Methe 1,7251738 544,90128 0706099 1000009 Methe	5 3067000138	ST_LOC_NAL1_TEST138	SAN,N	0139						07/06/2018	12/50/2018	inactive							
6 500700171 ST_LOC_MALT_TEST105 SAAL_W0157 01050016 Mathem 6 500700175 ST_LOC_MALT_TEST105 SAAL_W0158 01050016 10050016 Mathem 6 500700157 ST_LOC_MALT_TEST105 SAAL_W0158 01050016 10050016 Hamilee 6 500700157 ST_LOC_MALT_TEST105 SAAL_W0158 01050016 10050016 Hamilee 6 500700152 ST_LOC_MALT_TEST105 SAAL_W0158 01050128 1000016 Hamilee 6 500700152 ST_LOC_MALT_TEST105 SAAL_W0152 01050128 1000016 Hamilee 6 500700152 ST_LOC_MALT_TEST105 SAAL_W0152 01050128 1000016 Hamilee 6 500700152 ST_LOC_MALT_TEST105 SAAL_W0152 01050128 10000016 Hamilee 6 500700152 ST_LOC_MALT_TEST105 SAAL_W0156 01050128 10000016 Hamilee 6 500700152 ST_LOC_MALT_TEST105 SAAL_W0158 01050128 10000016 Hamilee <	J_TEST137 SALVACIS7 07050296 12000296	5 5087000138	ST_LOC_NAL1_TESTISS	SANJN	0138						07/06/0018	12002018	Intertive							
4 5 500700158 57_L0C_JNALT_TEST158 SAAL_NC158 01/06/0016 12/00/0016 Matthew 5 5007000158 57_L0C_JNALT_TEST158 SAAL_NC158 01/06/0016 12/00/0016 Matthew 6 5007000158 57_L0C_JNALT_TEST158 SAAL_NC158 01/06/0016 12/00/0016 Matthew 6 5007000158 57_L0C_JNALT_TEST153 SAAL_NC158 01/06/0016 12/00/0016 Matthew 6 5007000158 57_L0C_JNALT_TEST153 SAAL_NC158 01/06/0016 12/00/0016 Matthew 6 500700159 57_L0C_JNALT_TEST159 SAAL_NC159 01/06/0016 12/00/0016 Matthew 6 500700159 57_L0C_JNALT_TEST158 SAAL_NC159 01/06/016 12/00/016 Matthew 6 500700159 57_L0C_JNALT_TEST158 SAAL_NC159 01/06/018 12/00/016 Matthew 6 500700159 57_LOC_JNALT_TEST158 SAAL_NC158 01/06/018 12/00/016 Matthew 6 5007000158 57_LOC_JNALT_TEST158 SAAL_NC158 <td>1,TEST196 SAL_AC138 STAGEORS 12000016 Narke 1,TEST195 SAL_AC134 STAGEORS 12000016 Narke 1,TEST195 SAL_AC134 STAGEORS 12000016 Narke 1,TEST193 SAL_AC134 STAGEORS 12000016 Narke 1,TEST193 SAL_AC133 STAGEORS 12000016 Narke 1,TEST193 SAL_AC134 STAGEORS 12000016 Narke 1,TEST193 SAL_AC135 STAGEORS 12000016</td> <td>5 5067000137</td> <td>ST_LOC_NAL1_TEST137</td> <td>SANJN</td> <td>0437</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>01/06/2018</td> <td>12002018</td> <td>inactive</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1,TEST196 SAL_AC138 STAGEORS 12000016 Narke 1,TEST195 SAL_AC134 STAGEORS 12000016 Narke 1,TEST195 SAL_AC134 STAGEORS 12000016 Narke 1,TEST193 SAL_AC134 STAGEORS 12000016 Narke 1,TEST193 SAL_AC133 STAGEORS 12000016 Narke 1,TEST193 SAL_AC134 STAGEORS 12000016 Narke 1,TEST193 SAL_AC135 STAGEORS 12000016	5 5067000137	ST_LOC_NAL1_TEST137	SANJN	0437						01/06/2018	12002018	inactive							
1 00700015 3F1_00_0N4_1TEST136 8A/_V0156 0070015 Name 5 0070015 3F1_00_0N4_1TEST135 SAN_V0156 0070015 Name 5 00700152 3F1_00_0N4_1TEST135 SAN_V0153 07040216 V2002016 Name 5 00700152 3F1_00_0N4_1TEST135 SAN_V0153 07040216 V2002016 Name 5 00700152 3F1_00_0N4_1TEST130 SAN_V0151 07040216 V2002016 Name 5 00700152 SF1_00_0N4_1TEST130 SAN_V0151 07040216 V2002016 Name 6 00700152 SF1_00_0N4_1TEST126 SAN_V0150 07040216 V2002016 Name 6 00700152 SF1_00_0N4_1TEST126 SAN_V0150 07040216 V2002016 Name 5 00700152 SF1_00_0N4_1TEST126 SAN_V0152 07040216 V2002016 Name 5 00700152 SF1_00_0N4_1TEST126 SAN_V0152 07040216 V2002016 Name 5 007000152 SF1_00_0N4_1	LTEXT135 MA/LAC131 D10402018 Namile LTEXT135 SA/LAC134 D10402018 Namile LTEXT135 SA/LAC134 D10402018 Namile LTEXT135 SA/LAC134 D10502018 Namile LTEXT135 SA/LAC132 D10502018 Namile LTEXT135 SA/LAC132 D10502018 Namile LTEXT135 SA/LAC131 D10502018 Namile LTEXT136 SA/LAC131 D10502018 Namile LTEXT137 SA/LAC131 D10502018 Namile LTEXT144 SA/LAC131 D10502018 Namile LTEXT145 SA/LAC131 D1	5 5087000136	ST_LOC_NAL1_TEST130	SAN_N	0136						07/06/0018	12/30/2018	inactive -							
0 007000154 471_000_M41_TEST134 SAH_V00154 007000124 100000154	1,TEST154 SAN_UC154 07060278 Native 1,TEST153 SAN_UC152 07060278 Native 1,TEST154 SAN_UC153 07060278 Native 1,TEST155 SAN_UC128 07060278 Native 1,TEST154 SAN_UC128 07060278 Native 1,TEST155 SAN_UC128 07060278 Native 1,TEST154 SAN_UC128 07060278 Native 1,TEST155 SAN_UC128 07060278 Native 1,TEST128 SAN_UC128 0	5 3067000135	ST_LOC_NAL1_TEST135	EAN_N	0135						07/06/0018	12/30/2018	Inactive							
5 5007000133 5TL00C,N4L [TEST133 SAL,N0133 07060298 10000016 Medies 5 500700125 STL0C,N4L [TEST132 SAL,N0132 07060298 10000016 Medies 5 500700125 STL0C,N4L [TEST132 SAL,N0131 07060298 10000016 Medies 5 500700126 STL0C,N4L [TEST130 SAL,N0136 07060298 10000016 Medies 5 500700126 STL0C,N4L [TEST138 SAL,N0128 07060298 10000016 Medies 5 500700127 STL0C,N4L [TEST128 SAL,N0128 07060298 10000016 Medies 5 500700127 STL0C,N4L [TEST128 SAL,N0128 07060298 10000016 Medies 5 500700127 STL0C,N4L [TEST128 SAL,N0128 07060298 10000016 Medies 5 500700128 STL0C,N4L [TEST128 SAL,N0128 07060298 10000018 Medies 5 500700128 STL0C,N4L [TEST128 SAL,N0128 07060298 10000018 Medies	1,TEST133 SML,VIC133 SVLVIC135 SVLVIC135 1,TEST132 SML,VIC130 SVDVCV16 Mackiw 1,TEST137 SML,VIC130 SVDVCV16 Mackiw 1,TEST137 SML,VIC130 SVDVCV16 Mackiw 1,TEST137 SML,VIC130 SVDVCV16 Mackiw 1,TEST137 SML,VIC130 SVDVCV16 Mackiw 1,TEST123 SML,VIC130 SVDVCV16 SVDVCV16 1,TEST124 SML,VIC138 SVDVCV16 SVDVCV16 1,TEST125 SML,VIC138 SVDVCV16 SVDVCV16 1,TEST126 SML,VIC138 SVDVCV16 SVDVCV16 1,TEST127 SML,VIC138 SVDVCV16 SVDVCV16 1,TEST126 SML,VIC138 SVDVCV16 SVDVCV16 1,TEST127 SML,VIC138 SVDVCV16 SVDVCV16 1,TEST127 SML,VIC137 SVDVCV16 SVDVCV16 1,TEST127 SML,VIC137 SVDVCV16 SVDVCV16 1,TEST127 SML,VIC137 SVDVCV16 SVDVCV16 1,TEST127	5 5057000134	ST_LOC_NAL1_TEST134	SANJN	0134						07/06/2018	12/20/2018	inactive .							
Normonics Structure Normonics Structure Normonics Structure Normonics Normonics <t< td=""><td>1,12517132 SAL,00132 07060218 0200016 Inactive 1,12517131 SAL,00131 07060218 1200016 Inactive 1,12517131 SAL,00131 07060218 1200016 Inactive 1,12517131 SAL,00131 07060218 1200016 Inactive 1,12517131 SAL,00136 07060218 1200016 Inactive 1,12517131 SAL,00138 07060218 Inactive Inactive 1,1251713 SAL,00138 07060218 Inactive Inactive 1,1251713 SAL,00131 07060218 1200018 Inactive 1,1251713 SAL,00132 07060218 1200018 Inactive 1,1251713 SAL,00132 07060218 Inactive Inactive 1,1251713 SAL,00132 07060218<!--</td--><td>5 3067000133</td><td>ST_LOC_NAL1_TEST133</td><td>SAN_N</td><td>0133</td><td></td><td></td><td></td><td></td><td></td><td>0106/0018</td><td>12/00/2018</td><td>inactive</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></t<>	1,12517132 SAL,00132 07060218 0200016 Inactive 1,12517131 SAL,00131 07060218 1200016 Inactive 1,12517131 SAL,00131 07060218 1200016 Inactive 1,12517131 SAL,00131 07060218 1200016 Inactive 1,12517131 SAL,00136 07060218 1200016 Inactive 1,12517131 SAL,00138 07060218 Inactive Inactive 1,1251713 SAL,00138 07060218 Inactive Inactive 1,1251713 SAL,00131 07060218 1200018 Inactive 1,1251713 SAL,00132 07060218 1200018 Inactive 1,1251713 SAL,00132 07060218 Inactive Inactive 1,1251713 SAL,00132 07060218 </td <td>5 3067000133</td> <td>ST_LOC_NAL1_TEST133</td> <td>SAN_N</td> <td>0133</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0106/0018</td> <td>12/00/2018</td> <td>inactive</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	5 3067000133	ST_LOC_NAL1_TEST133	SAN_N	0133						0106/0018	12/00/2018	inactive							
5 001000151 ST_LOC_NAL_TEST131 SALV_N0131 00100131 ST_LOC_NAL_TEST130 Marthe 5 00100130 ST_LOC_NAL_TEST130 SALV_N0130 01000116 12000016 Marthe 5 00100130 ST_LOC_NALTEST130 SALV_N0130 01000116 12000016 Marthe 5 001001125 ST_LOC_NALTEST138 SALV_N0138 01000116 Marthe 5 001001125 ST_LOC_NALTEST138 SALV_N0138 01000116 Marthe 5 001001125 ST_LOC_NALTEST138 SALV_N0138 01000116 Marthe 5 00100125 ST_LOC_NALTEST138 SALV_N0138 01000116 Marthe 5 00100125 ST_LOC_NALTEST138 SALV_N0138 01000116 Marthe 5 00100126 ST_LOC_NALTEST138 SALV_N0138 01000116 Marthe 5 00100126 ST_LOC_NALTEST136 SALV_N0138 01000018 Marthe 5 00100127 ST_LOC_NALTEST134 SALV_N0137 01000118 Marthe	1_12817131 SAV_JVC131 07060288 12000298 Redwe 1_12817136 SAV_JVC138 07060288 12000298 Redwe 1_12817136 SAV_JVC138 07060288 12000298 Redwe 1_12817136 SAV_JVC138 07060298 12000298 Redwe 1_12817136 SAV_JVC138 07060298 12000298 Redwe 1_12817137 SAV_JVC138 07060298 12000298 Redwe 1_12817138 SAV_JVC138 07060298 12000298 Redwe 1_12817136 SAV_JVC138 07060298 12000298 Redwe 1_12817136 SAV_JVC138 07060298 12000298 Redwe 1_12817136 SAV_JVC138 07060298 12000298 Redwe 1_12817137 SAV_JVC138 07060298 12000298 Redwe 1_12817137 SAV_JVC137 07060298 12000298 Redwe 1_12817137 SAV_JVC137 07060298 12000298 Redwe	5 5067000132	ST_LOC_NAL1_TEST132	SAN_N	0132						07/06/2018	12/90/2018	Inactive							
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Register

Click the Register button

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Registration Screen

- Fill out the Registration section
- Assign at least 150 locations to the Control Group and one or more locations to the Treatment Group and click Save/Submit

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Control Group Walkthrough

Approach 2

DRP View > Registrations > Create

Begin on the Registrations page and click Create •

California ISO | Demand Response Registration System

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653069	TEST NC ISO	_				_	Pre Defined	Preixy DR	Meter Generation Output with 10 in 10	07/26/2018	07/29/2018	Confirmed
563065	TEST NC ISO1						Pre Defined	Prexy DR	Day Matching 10/10	07/26/2018	07/30/2018	Confirmed
653077	LL REG BM DAYMATCH 1010						Pre Defined	Prevy DR	Day Matching 10/10	07/26/2018	07/24/2019	Confirmed
553075	TEST_REG2						Pre Defined	Reliability DR	Meter Generation Output with 10 in 10	07/25/2018	07/31/2018	Confirmed
653072	TEST REG						Pre Defined	Reliability DR	Weather Matching	08/01/2018	08/31/2018	Confirmed
553069	NC_NK_ISO						Pre Defined	Proxy DR	Meter Generation Output with 10 in 10	09/01/2018	09/30/2018	Confirmed
653043	ST_REG_DM5-10_TEST						Pre Defined	Proxy DR	Day Matching Combined	07/24/2018	09/29/2018	Confirmed
553040	ST_REG_D4/6-10_TEST						Pre Defined	Prexy DR	Day Matching 5/10 (Residential Only)	07/24/2018	09/29/2018	Confirmed
553037	ST_REG_MOO_TEST_1010						Pre Defined	Prexy DR	Meter Generation Output with 10 in 10	07/24/2018	09/29/2018	Confirmed
563030	ST_REG_WM_TEST_1010						Pre Defined	Proxy DR	Meter Generation Output with 10 in 10	07/24/2018	09/29/2018	Confirmed
553019	ST_REG_WM_TEST_NU						Pre Defined	Proxy DR	Weather Matching	07/24/2018	10/31/2018	Confirmed
663015	LL-ESDER-001						Pre Defined	Prexy DR	Day Matching 10/10	07/23/2016	08/31/2018	Confirmed
663000	ST_REO_DMC_TEST7_NEW						Pre Defined	Proxy DR	Day Matching Combined	07/24/2018	11/29/2018	Confirmed
652981	ST_REG_DMC_TEST7						Pre Defined	Prexy DR	Day Matching Combined	07/23/2018	11/30/2018	Confirmed
552975	ST_REG_WM_TEST10 Update						Pre Defined	Prexy DR	Weather Matching	07/20/2018	08/30/2018	Confirmed
652964	ST_REG_MGO_TEST1 Update						Pre Defined	Prexy DR	Meter Generation Output	07/19/2018	07/10/2018	Terminate
652951	ST_REO_WM_TEST1						Pre Defined	Proxy DR	Weather Matching	07/10/2018	08/30/2018	Confirmed
552948	ST_REG_WM_TEST1						Pre Defined	Proxy DR	Weather Matching	07/10/2018	08/30/2018	Confirmed
652925	ST_REG_Day_Matching_Combined						Pre Defined	Reliability DR	Day Matching Combined	10/01/2018	10/31/2018	Confirmed
652922	ST_REG_Day Combined						Pre Defined	Relability DR	Day Matching Combined	10/01/2018	10/30/2018	Confirmed
552919	ST_REG_Day Matching 5-10						Pre Defined	Prexy DR	Day Matching 5/10 (Residential Only)	10/01/2018	10/31/2018	Confirmed
552915	ST_REG_Day Matching 10-10						Pre Defined	Prexy DR	Day Matching 10/10	10/01/2018	10/31/2018	Confirmed
552953	L_ESDER_REG_TESTING2						Pre Defined	Proxy DR	Weather Matching	12/01/2018	12/30/2018	Confirmed
652823	test_reg						Pre Defined	Proxy DR	Meter Generation Output	09/01/2018	09/30/2018	New
Locations												
							and the second se					

Locations							Reuse 575
Loc ID	SAN	Resource ID	Start date	End date	Distribution Factor	Control Group?	Treatment Group?
942924000002			54012017	12010017			View Location
562925000003			04/01/2017	12/31/2017			View Location
780788000001			04/01/2017	12/31/2017			View Location
780786000002			04/01/2017	12/31/2017			View Location



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Rows 25 V

Terminated

Input Registration Data

• Complete the Registration section

	🌍 California ISO	Demand Response Re	gistration System	++ 응 근 / / / · · · · · · · · · · · · · · · ·	
DR	P WEW UCC VIEW LSE VIEW ADMINISTRATION				
_	DRP VIEW Registration				
1	Registration				
	Reg Id			×	
			DRP SCID*	<u> </u>	
	End Date*		Resource Type*	<u> </u>	
			ResourceEMPTY	V	
			PMax		
	LSE"		Status New		
	Baseline Method"EMPTY 💟				
	SUBLAP				
	Refresh Available Locs				-
	ShowRefresh Available Locations				
	Available Locations		Selected Locatio	ons Distribu	tion Factor
	許福 l4 4 0 - 0 or 0 ▶ ▶ [0 Rows 25 🗸	3. H	5 E H	4 0 · 0 or 0 > > 1 0
	ID Name SAN Start Date	End Date PNODE	14 4 0 . 0 8 0	Rows I PRODE	Distribution Factor
			ID NAME SAN Date Date	PNODE Control Treatment Group Group	allowed)
			>>		
			~~		
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Show/Refresh Available Locations

Click the Show/Refresh Available Locations button

ShowRetest	Available Locations				
Available	Locations				
TEI	4 4 1 - 28 of 300 🕨		1	Row	15 20 1
D	· Name	SAN	Start Date	End Date	FNODE
DOCTOR DOCTOR	BT_LOC_NAL1_TESTING	TAN, NO 198	81/26/2018	12/31/2018	
83087000149	ST_LOC_NAL1_TEST149	SAN_NC149	07/26/2018	12/31/2018	
63067090148	ST_LOC_NAL1_TEST148	SAN_NC148	07/26/2018	12/31/2018	
63087000147	ST_LOC_NAL1_TEST147	SAN, NO147	07/26/2018	12/31/2018	
63087000146	ST_LOC_NAL1_TEST146	SAN_NC146	07/26/2018	12/31/2018	
63087000148	ST_LOC_NAL1_TEST145	SAN_NC148	07/26/2018	12/31/2018	
83087000144	ST_LOC_NAL1_TEST144	SAN_NC144	07/26/2018	12/31/2018	
83087000143	ST_LOC_NAL1_TEST143	SAN_NO143	07/26/2018	12/31/2018	
83087900142	ST_LOC_NAL1_TEST142	SAN_NC142	07/26/2018	12/31/2018	
83087000141	ST_LOC_NAL1_TEST141	SAN_NC141	07/26/2018	12/31/2018	
63067000140	ST_LOC_NAL1_TEST140	SAN_NC140	07/26/2018	12/31/2018	
63067000139	ST_LOC_NAL1_TEST139	SAN_NC139	07/26/2018	12/31/2018	
63007000136	ST_LOC_NAL1_TEST138	BAN_NC138	07/26/2018	12/31/2018	
83087000137	ST_LOC_NAL1_TEST137	SAN NC137	07/26/2018	12/31/2018	
5306T000136	ST_LOC_NAL1_TEST130	SAN_NC136	07/26/2018	12/31/2018	
63087000136	ST_LOC_NAL1_TEST135	SAN_NC138	07/26/2018	12/01/2018	
83087000134	ST_LOC_NAL1_TEST134	BAN, NC134	07/26/2018	12/31/2018	
63087000133	ST_LOC_NAL1_TEST133	SAN_NO133	07/26/2018	12/01/2018	
83087000132	ST_LOC_NAL1_TEST132	SAN_NC132	07/26/2018	12/31/2018	
83087000131	ST_LOC_NAL1_TEST131	BAN, NO131	07/26/2018	12/01/2018	
83087000130	ST LOC NALL TESTING	SAN_NC130	07/26/2018	12/31/2018	
63087000129	ST_LOC_NAL1_TEST129	SAN_NC128	07/26/2018	12/31/2018	
3087000125	ST LOC NALL TESTION	SAN, NC128	07/26/2018	12/31/2018	



Add locations to the registration

Use buttons to populate Selected Locations section

3087000125 3087000124 3087000123 3087000122	Name ST_LOC_NAL1_TEST125 ST_LOC_NAL1_TEST124 ST_LOC_NAL1_TEST123	SAN	Start Date	End Date PNODE						
3087000125 3087000124 3087000123 3087000122	ST_LOC_NAL1_TEST124 ST_LOC_NAL1_TEST124 ST_LOC_NAL1_TEST123	SAN NC125	07/26/2018	CHARLES AND	ID	NAME	SAN	Start Date	End Date	PNODE Contro
3087000124 3087000123 3087000122	ST_LOC_NAL1_TEST124 ST_LOC_NAL1_TEST123	SAN NC124		12/31/2018	553087000150	ST_LOC_NAL1_TEST100	SAN_NC150	07/26/2018	12/30/2018	
3087000123 3087000122	ST_LOC_NAL1_TEST123	001010101	07/26/2018	12/31/2018	553087000149	ST_LOC_NAL1_TEST149	SAN_NC149	07/26/2018	12/30/2018	
3087000122		SAN_NC123	07/26/2018	12/31/2018	553087000148	ST LOC NAL1 TEST148	SAN NC148	07/26/2018	12/30/2018	
	ST_LOC_NAL1_TEST122	SAN_NC122	07/26/2018	12/31/2018	553087000147	ST LOC NAL1 TEST147	SAN NC147	07/26/2018	12/30/2018	
3087000121	ST_LOC_NAL1_TEST121	SAN_NC121	07/26/2018	12/31/2018	553087000146	ST LOC NAL1 TEST146	SAN NC146	07/26/2018	12/30/2018	
3087000120	ST_LOC_NAL1_TEST120	SAN_NC120	07/26/2018	12/31/2018	553087000145	ST LOC NAL1 TEST145	SAN NC145	07/26/2018	12/30/2018	
3087000119	ST_LOC_NAL1_TEST119	SAN_NC119	07/26/2018	12/31/2018	553087000144	ST LOC NALL TESTIA	SAN NO144	07/20/2018	12/30/2018	
3087000118	ST_LOC_NAL1_TEST118	SAN_NC118	07/26/2018	12/31/2018	553087000143	ST LOC NALL TESTIAS	SAN NC143	07/26/2018	12/30/2018	
3087000117	ST_LOC_NAL1_TEST117	SAN_NC117	07/26/2018	12/31/2018	553087000142	ST LOC NALL TESTIAS	SAN NC142	07/26/2018	12/20/2018	
0087000116	ST_LOC_NAL1_TEST118	SAN_NC116	07/26/2018	12/31/2018	553087000141	ST LOC NALL TESTIAL	SAN NO141	07/26/2018	12/30/2018	
3087000115	ST_LOC_NAL1_TEST115	SAN_NC115	07/26/2018	12/31/2018	553007000140	ST LOC MALL TESTIAN	CAN NO 145	07/08/0010	12/20/2010	
087000114	ST_LOC_NAL1_TEST114	SAN_NC114	07/26/2018	12/31/2018	553057000140	ST LOC MALL TESTING	CAN ACTED	07/20/2010	12/20/2010	
087000113	ST_LOC_NAL1_TEST113	SAN_NC113	07/26/2018	12/31/2018	553007000139	ET LOC NALL TEETING	CAN NC130	07/20/2016	12/20/2010	
3087000112	ST_LOC_NAL1_TEST112	SAN_NC112	07/26/2018	12/31/2018	003067000136		SAN 100100	07/20/2016	12/30/2016	
3087000111	ST_LOC_NAL1_TEST111	SAN_NC111	07/26/2018	12/31/2018	- 00308/00013/	ST_LOC_NAL1_TEST13/	SAN_NU137	07/20/2018	12/30/2018	
3087000110	ST_LOC_NAL1_TEST110	SAN_NC110	07/26/2018	12/31/2018	003007000130	ST_LOG_NAL1_1631130	36/10/100	07/20/2010	12/30/2010	
3087000109	ST_LOC_NAL1_TEST109	SAN_NC109	07/26/2018	12/31/2018	00308/000130	ST_LOC_NAL1_TEST130	SAN_NC135	07/20/2018	12/30/2018	
3087000108	ST_LOC_NAL1_TEST108	SAN_NC108	07/26/2018	12/31/2018	553067000134	ST_LOC_NAL1_TEST134	SAN_NC134	07/26/2018	12/30/2018	
3087000107	ST_LOC_NAL1_TEST107	SAN_NC107	07/26/2018	12/31/2018	553087000133	ST_LOC_NAL1_TEST133	SAN_NC133	07/26/2018	12/30/2018	
3087000106	ST_LOC_NAL1_TEST108	SAN_NC106	07/26/2018	12/31/2018	553087000132	ST_LOC_NAL1_TEST132	SAN_NC132	07/26/2018	12/30/2018	
3087000105	ST_LOC_NAL1_TEST105	SAN_NC105	07/26/2018	12/31/2018	553087000131	ST_LOC_NAL1_TEST131	SAN_NC131	07/26/2018	12/30/2018	
3087000104	ST_LOC_NAL1_TEST104	SAN_NC104	07/26/2018	12/31/2018	553087000130	ST_LOC_NAL1_TEST130	SAN_NC130	07/26/2018	12/30/2018	
3087000103	ST LOC NAL1 TEST103	SAN NC103	07/26/2018	12/31/2018	553087000129	ST_LOC_NAL1_TEST129	SAN_NC129	07/26/2018	12/30/2018	
3087000102	ST LOC NAL1 TEST102	SAN NC102	07/25/2018	12/31/2018	553087000128	ST_LOC_NAL1_TEST128	SAN_NC128	07/26/2018	12/30/2018	
3087000101	ST LOC NALL TESTION	SAN NC101	07/26/2019	12/31/2018	553087000127	ST_LOC_NAL1_TEST127	SAN_NC127	07/26/2018	12/30/2018	

Cancel Save Submit



ShowRefresh Available Locations

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Add locations to the registration

- Assign locations to Control Group or Treatment Group
- Remember the Ctrl + Down Arrow hotkey
- Click Save/Submit when finished

Available	Locations				>	Selected	Locations					_	
S 🕇 🛃 🕴	1 1 - 25 of 278 🕨			Row	/S 25 V	Update	Cancel						
ID	Name	SAN	Start Date	End Date	PNODE	ID ID	NAME	SAN	Start Date	End Date	PNO	Control	Treatm
553087000125	ST_LOC_NAL1_TEST125	SAN_NC125	97/26/2918	12/01/2018			CT LOS NULL TROTIES			10000040		Group	Group
553087000124	ST_LOC_NAL1_TEST124	SAN_NC124	07/26/2018	12/31/2018		503067000150	ST_LOC_NAL1_TEST150	SAN_NC150	07/26/2018	12/30/2018	_	H	
553087000123	ST_LOC_NAL1_TEST123	SAN_NC123	07/26/2018	12/31/2018		00306/000149	SI_LOU_NAL1_TEST149	SAN_NC14V	0//20/2018	12/30/2018	_	H	
53087000122	ST_LOC_NAL1_TEST122	SAN_NC122	07/26/2018	12/31/2018		553087000148	ST_LOC_NAL1_TEST148	SAN_NC148	07/26/2018	12/30/2018			
63087000121	ST_LOC_NAL1_TEST121	SAN_NC121	07/26/2018	12/31/2018		553087000147	ST_LOC_NAL1_TEST147	SAN_NC147	07/26/2018	12/30/2018		M	
53087000120	ST_LOC_NAL1_TEST120	SAN_NC120	07/25/2018	12/31/2018	23	553087000146	ST_LOC_NAL1_TEST146	SAN_NC146	07/26/2018	12/30/2018		님	
53087000119	ST_LOC_NAL1_TEST119	SAN_NC119	07/25/2018	12/31/2018		553087000145	ST_LOC_NAL1_TEST145	SAN_NC145	07/26/2018	12/30/2018		N	
53087000118	ST_LOC_NAL1_TEST118	SAN_NC118	07/26/2018	12/31/2018		553087000144	ST_LOC_NAL1_TEST144	SAN_NC144	07/26/2018	12/30/2018		M	- 11
53087000117	ST_LOC_NAL1_TEST117	SAN_NC117	07/26/2018	12/31/2018		553087000143	ST_LOC_NAL1_TEST143	SAN_NC143	07/25/2018	12/30/2018	_	M	
53087000116	ST_LOC_NAL1_TEST118	SAN_NC118	07/25/2018	12/31/2018		553067000142	ST_LOC_NAL1_TEST142	SAN_NC142	07/26/2018	12/36/2018		~	
53087000115	ST LOC NAL1 TEST115	SAN NC115	07/26/2018	12/31/2018		553087000141	ST_LOC_NAL1_TEST141	SAN_NC141	07/26/2018	12/30/2018		<u> </u>	
63087000114	ST LOC NAL1 TEST114	SAN NC114	07/26/2018	12/31/2018		553087000140	ST_LOC_NAL1_TEST140	SAN_NC140	07/26/2018	12/30/2018			
53087000113	ST LOC NAL1 TEST113	SAN NC113	07/26/2018	12/31/2018		553087000139	ST_LOC_NAL1_TEST139	SAN_NC139	07/26/2018	12/30/2018			
63087000112	ST LOC NAL1 TEST112	SAN NC112	07/26/2018	12/31/2018	<	553087000138	ST_LOC_NAL1_TEST138	SAN_NC138	07/26/2018	12/30/2018	_		
63087000111	ST LOC NAL1 TEST111	SAN NC111	07/26/2018	12/31/2018		553087000137	ST_LOC_NAL1_TEST137	SAN_NC137	07/26/2018	12/30/2018			
553087000110	ST LOC NAL1 TEST110	SAN NC110	07/25/2018	12/31/2018		553087000135	ST_LOC_NAL1_TEST138	SAN_NC136	07/26/2018	12/30/2018	_		
63087000109	ST LOC NAL1 TEST109	SAN NC109	07/26/2018	12/31/2018		553087000135	ST_LOC_NAL1_TEST135	SAN_NC135	07/26/2018	12/30/2018			
53087000108	ST LOC NALL TESTION	SAN NC108	07/25/2018	12/31/2018		553087000134	ST_LOC_NAL1_TEST134	SAN_NC134	07/26/2018	12/30/2018	_		
53087000107	ST LOC NAL1 TEST107	SAN NC107	07/26/2018	12/31/2018		553067000133	ST_LOC_NAL1_TEST133	SAN_NC133	07/26/2018	12/30/2018			
53087000106	ST LOC NAL1 TEST106	SAN NC106	07/26/2018	12/31/2018		553087000132	ST_LOC_NAL1_TEST132	SAN_NC132	07/26/2018	12/30/2018	-		
63087000105	ST LOC NALL TESTION	SAN NC105	07/26/2018	12/31/2018		553087000131	ST_LOC_NAL1_TEST131	SAN_NC131	07/26/2018	12/30/2018			
63087000104	ST LOC NALL TESTINA	SAN NO104	07/20/2018	12/31/2018		553087000130	ST_LOC_NAL1_TEST130	SAN_NC130	07/26/2018	12/30/2018			
53087000103	ST LOC NALL TESTIN	SAN NC103	07/26/2019	12/31/2018		553087000129	ST_LOC_NAL1_TEST129	SAN_NC129	07/26/2018	12/30/2018			
53087000102	ST LOC NALL TESTING	SAN NC102	07/20/2019	12/31/2019		553087000128	ST_LOC_NAL1_TEST128	SAN_NC128	07/28/2018	12/30/2018			
\$2097000404	OT LOC NALL TESTING	CAN NOTE	07/06/2010	10/01/0010		553087000127	ST_LOC_NAL1_TEST127	SAN_NC127	07/26/2018	12/30/2018			
00001000101	51_000_10001_1E51101	3440_145101	01/20/2018	12/3/12/018		553087000125	ST_LOC_NAL1_TEST126	SAN_NC126	07/26/2018	12/30/2018			



ShowRefresh Available Locations

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Save

Cancel

Submit



Sample Notifications

Examples of e-mail notifications

Example: Location has been submitted

Subject: Location Submitted

The following location has been submitted for the review process.

Location Id:	541406
Location Name:	Example for training - rkm
SAN:	123456
DRP:	DABC
UDC:	UABC
LSE:	LABC
SUBLAP:	SLAP_ABCD
START DATE:	2016-07-01 00:00:00.0
END DATE:	2017-06-30 00:00:00.0
STATUS:	Pending



Example: Location has been reviewed by the UDC

Subject: Location reviewed by UDC

The following location has been reviewed by UDC

Location Id:	541406
Location Name:	Example for training - rkm
SAN:	123456
DRP:	DABC
UDC:	UABC
LSE:	LABC
SUBLAP:	SLAP_ABCD
START DATE:	2016-07-01 00:00:00.0
END DATE:	2017-06-30 00:00:00.0
STATUS:	Pending
REVIEWER NAME:	UDC Reviewer
REVIEWER PHONE:	916-351-4400
COMMENT:	IS APPROVED: true with comments: (Note: Comments are required if Valid Location field is not checked)



Example: Location has been reviewed by the LSE

Subject: Location reviewed by LSE

The following location has been reviewed by LSE

Location Id:	541406
Location Name:	Example for training - rkm
SAN:	123456
DRP:	DABC
UDC:	UABC
LSE:	LABC
SUBLAP:	SLAP_ABCD
START DATE:	2016-07-01 00:00:00.0
END DATE:	2017-06-30 00:00:00.0
STATUS:	Active
REVIEWER NAME:	LSE Reviewer
REVIEWER PHONE:	916-351-4400
COMMENT:	IS APPROVED: true with comments: (N

IS APPROVED: true with comments: (Note: Comments are required if Valid Location field is not checked)



Example: Registration has been submitted

Subject: Registration Submitted

The following registration has been submitted

Registration Id:	541407
Registration Name:	RKM example for training
DRP:	DABC
UDC:	UABC
LSE:	LABC
SUBLAP:	SLAP_ABCD
START DATE:	2016-07-01 00:00:00.0
END DATE:	2017-06-30 00:00:00.0
STATUS:	CONFIRMED

