



Customer Partnership Group New ADS Demo April 2020

Important Change: Participation details have been updated

Dial: 877-369-5230; Access code: 0963633##

Join web conference: <https://ems8.intellor.com/login/825045>

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Business Solution Manager

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ISO PUBLIC

Agenda

- New ADS Technology and Functional changes.
- Present the new ADS look & feel.
- Upcoming Enhancements, Events and Timelines.

Technology changes

- Following Technology changes as per the posted external BRS will be soon ready in Mapstage:
 - Transition to web-based user interface to eliminate the need to install thick client.
 - The browsers we intend to support are Chrome and Edge with Chromium.
 - Transition ADS provisioning to the Access and Identity Management (AIM) application including resource level access control via self provisioning.

Functional Changes

- Following functional changes will be soon ready in Mapstage :
 - Allow Participants to view for Operator Messages.
 - Eliminate duplicate ED entries in the 'Instructions' tab.
- Not in scope for today's demo: All other functional changes as part of the posted external will be delivered in a later code drop:
 - Display FMM Energy Schedule.
 - Unannounced A/S tests and Unit Comment during RTCD.
 - Display 5 & 15 Minute Flex Ramp Awards (FRU/FRD).
 - Changes to instruction display to include the following:
 - Previous Supp: similar to RT Prev DOT, will show last binding Supp.
 - RT Sup Delta: similar to RT DOT Delta, will show difference between RT Supp. Energy and Previous Supp.

New User Interface Demo

Landing page: Look & feel subject to change

California ISO | Automated Dispatch System

Interval	RT DOT	Hourly DOT	Exceptional	Commitment	RT AS	Hourly AS
Current Interval	09:30-09:35	09:00-10:00	Active	09:30-09:45	09:30-09:45	09:00-10:00
Dispatch Interval	09:35-09:40	10:00-11:00	08:45:00	10:00-10:15	10:00-10:15	10:00-11:00
Received/Status	09:31:03	08:56:31	08:41:03	09:29:01	09:29:03	08:56:35

System Messages | Query Tool | Configurations

- 04/06/2020 09:31:03 Received new 5 Minute DOT batch DISP-EE70FD09-5A51-4038-8A00-AC18024D23D4
- 04/06/2020 09:29:03 Received new Real Time AS batch DISP-AB88B7C6-5A51-4038-8A00-AC18024D23D4
- 04/06/2020 09:29:03 Hourly DOT batch DISP-1B5E8E40-5A4D-4038-8A00-AC18024D23D4 updated, new status = OPR RESP
- 04/06/2020 09:29:01 Received new Unit Commitment batch DISP-AS83DD10-5A51-4038-8A00-AC18024D23D4
- 04/06/2020 09:26:02 Received new 5 Minute DOT batch DISP-3B2E2F10-5A51-4038-8A00-AC18024D23D4

Valid	AGC	Res Type	Resource ID	Config ID	DOT Type	SC ID	RT Prev DOT	RT DOT	RT DOT Delta	DOT Start Time	DOT End Time	ED Fixed	ED Max	ED Min	Unit Commitment	Commitment Start Time	Commitment End Time	Commitment To Config	Current AS Total	Dispatch AS Total	Dispatch Spin	Dispatch Non Spin	Dispatch Regl Up	Dispatch Regl Down	Priority	Base Schedule
✓	N	GEN			DOT	F	53.87	43.98	-9.89	09:37									0.00	0.00	0.00	0.00	0.00	0.00	2	52.16
✓	N	GEN			DOT	F	3.76	3.83	0.07	09:37									0.00	0.00	0.00	0.00	0.00	0.00	2	0.00
✓	N	GEN			DOT	F	4.03	3.20	-0.83	09:37									0.00	0.00	0.00	0.00	0.00	0.00	2	0.00
✓	N	GEN			DOT	F	28.00	28.00	0.00	09:37									0.00	0.00	0.00	0.00	0.00	0.00	3	28.00
✓	N	GEN			DOT	F	3.36	3.40	0.04	09:37									0.00	0.00	0.00	0.00	0.00	0.00	2	0.00
✓	N	GEN			DOT	F	13.00	13.00	0.00	09:37									0.00	0.00	0.00	0.00	0.00	0.00	3	0.00
✓	N	GEN			DOT	F	12.84	13.45	0.61	09:37									0.00	0.00	0.00	0.00	0.00	0.00	2	0.00
✓	N	GEN			DOT	F	2.34	2.52	0.18	09:37									0.00	0.00	0.00	0.00	0.00	0.00	2	0.00
✓	N	GEN			DOT	F	55.10	55.10	0.00	09:37									0.00	0.00	0.00	0.00	0.00	0.00	3	55.10
✓	N	GEN			DOT	F	1.34	1.24	-0.10	09:37									0.00	0.00	0.00	0.00	0.00	0.00	2	15.90
✓	N	GEN			DOT	F	7.20	7.20	0.00	09:37									0.00	0.00	0.00	0.00	0.00	0.00	3	7.20
✓	N	GEN			DOT	F	0.00	0.00	0.00	09:37									0.00	0.00	0.00	0.00	0.00	0.00	3	0.00
✓	N	GEN			DOT	F	0.00	0.00	0.00	09:37									0.00	0.00	0.00	0.00	0.00	0.00	3	0.00
✓	N	GEN			DOT	F	295.86	212.82	-82.04	09:37									0.00	0.00	0.00	0.00	0.00	0.00	2	0.00
✓	N	GEN			DOT	F	26.29	23.30	-2.99	09:37									0.00	0.00	0.00	0.00	0.00	0.00	2	19.00

Trajectory Plot:

Information:
 1. Logged in user with role
 2. Environment
 3. Version

Instructions - Resource ID:

Valid	Instruction Type	Accept DOT	Accept Status	Award MW	ED Energy Code	Instr MW	Min Accept	Self Sched MW	Start Time	End Time	Prev Goto	Response	From Config Id	To Config Id
✓	DOT	43.98				43.98			09:37		53.87			
✓	DOT	53.87				53.87			09:32		54.14			
✓	DOT	54.14				54.14			09:27		50.33			
✓	DOT	50.33				50.33			09:22		59.47			
✓	DOT	59.47				59.47			09:17		60.24			
✓	DOT	60.24				60.24			09:12		57.17			
✓	DOT	57.17				57.17			09:07		58.07			
✓	DOT	58.07				58.07			09:02		62.31			
✓	DOT	62.31				62.31			08:57		56.99			
✓	DOT	56.99				56.99			08:52		58.12			
✓	DOT	58.12				58.12			08:47		59.95			
✓	DOT	59.95				59.95			08:42		41.67			
✓	DOT	41.67				41.67			08:37		41.09			

CONNECTED | AFERDOUS | MAPTEST | VERSION: 1.0.2-210 | 04/06/2020 09:36:18 PDT

New User Interface Demo

Pop-up for new Batches
New feature: Time Display

The screenshot displays a software interface with several components:

- Top Left Table:** A table with three columns: Commitment, RT AS, and Hourly AS. The rows are: 20:30-20:45, 21:00-21:15, and 20:28:30.
- System Messages Panel:** A list of messages with timestamps and descriptions, such as "Received new 5 Minute DOT batch" and "Hourly DOT batch updated".
- Navigation Bar:** Includes buttons for "RT Commitment", "Unannounced A/S Test", "ETSR", "FMM", "FRU/FRD - RTD", "FRU/FRD - FMM", "5 Min DOT Delta <> 0", and "Hourly DOT Delta <> 0".
- Main Data Table:** A table with columns: Status, AGC, Base Schedule, Commitment To Config, Config ID, Current Spin, Dispatch AS Total, DOT Start Time, and ED Fixed. The first column contains 'N' and the second contains '0'.
- Pop-up Window:** Titled "ADS New Instructions", it lists: "20:31:03 5 Minute DOT", "20:28:32 Real Time AS", and "20:28:30 Unit Commitment". A green arrow points to the "Unit Commitment" entry.
- Buttons:** An "OK" button is located at the bottom right of the pop-up window.

New User Interface Demo

New Feature: View System messages

The screenshot displays the 'System Messages' interface. At the top, there are tabs for 'System Messages', 'Query Tool', and 'Configurations'. A table on the left shows time intervals. The main area features a filter bar with dropdowns for 'Message Type', 'Batch Type', and 'Batch Status', along with an 'Apply' button and a 'Reset' button. Below the filter bar is a table of system messages with columns for 'Message Type', 'Received Date', and 'Message'. A modal window titled 'ADS System Message' is open, displaying a warning icon and the text: 'Contingency in progress', '03/16/2020 08:51:35', and 'ALERT - ALL ADS USERS: ATTN: Market Participants - Contingency in progress. Please watch ADS for further instructions and follow them immediately. Units carrying NSPIN reserves will not receive startup instructions but may receive real time DOTs and should follow them without delay.' The modal has an 'OK' button. A 'View' button is visible next to a message in the table.

Message Type	Received Date	Message
BATCH_UPDATED	03/16/2020 12:29	Hourly DOT batch DISP-DA6BC0F0-49E5-4038-885F-AC1802487BD1 updated, new status = OPR RESP
BATCH_UPDATED	03/16/2020 12:02	Hourly DOT batch DISP-DA6BC0F0-49E5-4038-885F-AC1802487BD1 updated, new status = TIMED OUT
BATCH_RECEIVED	03/16/2020 11:57	Received new Hourly DOT batch DISP-DA6BC0F0-49E5-4038-885F-AC1802487BD1, status = ACTIVE
BATCH_UPDATED	03/16/2020 11:44	Hourly DOT batch DISP-76DDE390-49DD-4038-885F-AC1802487BD1 updated, new status = OPR RESP
BATCH_UPDATED	03/16/2020 11:29	Hourly DOT batch DISP-76DDE390-49DD-4038-885F-AC1802487BD1 updated, new status = TIMED OUT
BATCH_UPDATED	03/16/2020 11:02	Hourly DOT batch DISP-76DDE390-49DD-4038-885F-AC1802487BD1 updated, new status = OPR RESP
BATCH_RECEIVED	03/16/2020 10:57	Received new Hourly DOT batch DISP-76DDE390-49DD-4038-885F-AC1802487BD1, status = ACTIVE
BATCH_UPDATED	03/16/2020 10:44	Hourly DOT batch DISP-2FB92E0-49D5-4038-885F-AC1802487BD1 updated, new status = OPR RESP
BATCH_UPDATED	03/16/2020 10:29	Hourly DOT batch DISP-2FB92E0-49D5-4038-885F-AC1802487BD1 updated, new status = TIMED OUT
BATCH_UPDATED	03/16/2020 10:01	Hourly DOT batch DISP-2FB92E0-49D5-4038-885F-AC1802487BD1 updated, new status = OPR RESP
BATCH_RECEIVED	03/16/2020 09:56	Received new Hourly DOT batch DISP-2FB92E0-49D5-4038-885F-AC1802487BD1, status = ACTIVE
BATCH_UPDATED	03/16/2020 09:44	Hourly DOT batch DISP-A11DD680-49CC-4038-885F-AC1802487BD1 updated, new status = OPR RESP
BATCH_UPDATED	03/16/2020 09:29	Hourly DOT batch DISP-A11DD680-49CC-4038-885F-AC1802487BD1 updated, new status = TIMED OUT
BATCH_UPDATED	03/16/2020 09:01	Hourly DOT batch DISP-A11DD680-49CC-4038-885F-AC1802487BD1 updated, new status = OPR RESP
BATCH_RECEIVED	03/16/2020 08:56	Received new Hourly DOT batch DISP-A11DD680-49CC-4038-885F-AC1802487BD1, status = ACTIVE
OPERATOR	03/16/2020 08:51	Contingency in progress
OPERATOR	03/16/2020 08:47	Emergency Cancel
BATCH_UPDATED	03/16/2020 08:44	Hourly DOT batch DISP-51CD1850-49C4-4038-885F-AC1802487BD1 updated, new status = OPR RESP
BATCH_UPDATED	03/16/2020 08:29	Hourly DOT batch DISP-51CD1850-49C4-4038-885F-AC1802487BD1 updated, new status = TIMED OUT
BATCH_UPDATED	03/16/2020 08:02	Hourly DOT batch DISP-51CD1850-49C4-4038-885F-AC1802487BD1 updated, new status = OPR RESP
BATCH_RECEIVED	03/16/2020 07:57	Received new Hourly DOT batch DISP-51CD1850-49C4-4038-885F-AC1802487BD1, status = ACTIVE
BATCH_UPDATED	03/16/2020 07:44	Hourly DOT batch DISP-DD7BB220-49BB-4038-885F-AC1802487BD1 updated, new status = CLOSED
BATCH_UPDATED	03/16/2020 07:29	Hourly DOT batch DISP-DD7BB220-49BB-4038-885F-AC1802487BD1 updated, new status = OPR RESP
BATCH_UPDATED	03/16/2020 07:01	Hourly DOT batch DISP-DD7BB220-49BB-4038-885F-AC1802487BD1 updated, new status = TIMED OUT

New User Interface Demo

1. Advance Filter (Replaces Field Chooser). User can use the Inline filter as well.

The screenshot displays the California ISO Automated Dispatch System interface. At the top, there are summary tables for intervals and system messages. Below these, a main data grid is visible, partially obscured by an 'Advanced Filter' dialog box. A red arrow points from the 'Accept DOT' column in the main grid to the 'Advanced Filter' dialog, which is open over the grid. The dialog shows a list of filter criteria with columns for Name, Operator, Value, Condition, Duplicate, Up, and Down. The 'Advanced Filter' dialog is titled 'Advanced Filter - - Google Chrome' and has a checkbox for 'Show advanced filter criteria in the grid footer' which is checked.

Interval	RT DOT	Hourly DOT	Exceptional	Commitment	RT AS	Hourly AS
Current Interval	20:20-20:25	20:00-21:00	Active	20:15-20:30	20:15-20:30	20:00-21:00
Dispatch Interval	20:25-20:30	21:00-22:00	08:45:00	20:45-21:00	20:45-21:00	21:00-22:00
Received/Status	20:21:04	19:56:01	08:41:03	20:15:01	20:15:02	19:56:06

System Messages	Query Tool	Configurations
04/02/2020 20:21:04		Received new 5 Minute DOT batch DISP-12FB8900-5788-4038-FFA0-AC180248DA9D
04/02/2020 20:18:08		ADS System Ready
04/02/2020 20:18:03		Received new 5 Minute DOT batch DISP-5F801DF0-5787-4038-FFA0-AC180248DA9D
04/02/2020 20:15:02		Received new Real Time AS batch DISP-3B740E20-5787-4038-FFA0-AC180248DA9D

Valid	Resource ID	Res Type	Accept DOT	Accept Status	AGC	Base
7S		GEN			N	0
Ac		GEN			N	0
AI		GEN			N	0
AI		GEN			N	0
AI		GEN			N	0
AI		GEN			N	0
AI		GEN			N	0
Ac		TG			N	0
Ac		GEN			N	0
Ac		GEN			N	0
Ac		GEN			N	0
AI		GEN			N	0
AI		GEN			N	0
AI		GEN			N	0
AI		GEN			N	0
AI		GEN			N	0
AI		GEN			N	0
AI		GEN			N	0

Active	Name	Not?	Operator	Value	Condition	Duplicate	Up	Down
<input type="checkbox"/>	Valid	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	ACA Flag	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Resource ID	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Res Type	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Accept DOT	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Accept Status	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Base Schedule	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Commitment End Time	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Commitment From Config	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Commitment Start Time	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Commitment To Config	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Config ID	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Contingency Type	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Current AS Total	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Current MSS LF Up	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Current MSS LF Down	<input type="checkbox"/>	=		AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

New User Interface Demo

2. Controlling which Column to Display (Replaces Field Chooser)

The screenshot displays a software interface for managing resources. At the top, there are tabs for 'Real Time' and 'Hourly Pre-Dispatch'. Below the tabs are buttons for 'Accept', 'Decline', and 'Partial', along with various icons. A table with 10 columns is shown: 'Valid', 'AGC', 'Res Type', 'Resource ID', 'Config ID', 'SC ID', 'Hourly Prev DOT', 'Hourly DOT Delta', and 'Hourly DOT Start Time'. A dropdown menu is open over the table, listing the same columns with checkboxes, all of which are checked. The interface also shows '1 - 15 of 181' and a 'GO' button.

Valid	AGC	Res Type	Resource ID	Config ID	SC ID	Hourly Prev DOT	Hourly DOT Delta	Hourly DOT Start Time
<input checked="" type="checkbox"/>	6.00 22:00							
<input checked="" type="checkbox"/>	1.00 22:00							
<input checked="" type="checkbox"/>	1.00 22:00							
<input checked="" type="checkbox"/>	8.00 22:00							
<input checked="" type="checkbox"/>	6.00 22:00							
<input checked="" type="checkbox"/>	9.00 22:00							
<input checked="" type="checkbox"/>	0.00 22:00							
<input checked="" type="checkbox"/>	0.00 22:00							
<input checked="" type="checkbox"/>	0.00 22:00							
<input checked="" type="checkbox"/>	0.00 22:00							

New User Interface Demo

3. Group By Function (Replaces Field Chooser)

Real Time Hourly Pre-Dispatch

1 - 15 of 1273

Upon right click on any column this pop up will show up

Valid	AGC	Res Type	Resource ID	Config ID	DOT Type	SC ID	RT Prev DOT	RT DOT	RT DOT	DOT Start	DOT
	N	GEN			DOT		0.00	0			
	N	GEN			DOT		0.00	0			
	N	GEN			DOT		0.00	0			
	N	GEN			DOT		13.00	13			
	N	GEN			DOT		0.00	0			
	N	GEN			DOT		0.00	0.00			
	N	TG			DOT		29.00	29.00		0.00	20:57
	N	GEN			DOT		0.00	0.00		0.00	20:57
	N	GEN		A	DOT		0.00	0.00		0.00	20:57

- Group by this Column
- Sum
- Max
- Min
- Average
- Count

New User Interface Demo

New feature: 13 additional tab

Step 1: Creating Custom profile (renaming a tab)

The screenshot displays the California ISO Automated Dispatch System interface. At the top, there are navigation icons and the text 'California ISO Automated Dispatch System'. Below this is a table with columns: Interval, RT DOT, Hourly DOT, Exceptional, Commitment, RT AS, and Hourly AS. A yellow callout box with a speech bubble points to the 'Rename tab' button in the tab bar, containing the text: 'To rename a tab, please right click on any Tab'. The tab bar shows 'Real Time', 'Hourly Pre-Dispatch', and 'AGC'. A 'Rename tab' dialog box is open, showing 'Name AGC' and 'Rename' and 'Cancel' buttons. A green circle with the number '1' is next to the 'Rename tab' button, a green circle with the number '2' is next to the 'Rename' button, and a green circle with the number '3' is next to the 'AGC' tab. The main data table has columns: Valid, AGC, Res Type, Resource ID, Config ID, DOT, Start Time, DOT End Time, ED Fixed, ED Max, ED Min, Unit Commitment, Commitment Start Time, and Commitment End Time.

Interval	RT DOT	Hourly DOT	Exceptional	Commitment	RT AS	Hourly AS
Current Interval	20:45-20:50	20:00-21:00	Active	20:45-21:00	20:45-21:00	20:00-21:00
Dispatch Interval	20:50-20:55	21:00-21:05			21:15-21:30	21:00-22:00
Received/Status	20:46:04	19:56:06			20:42:33	19:56:06

System Messages	Query Tool	Configurations
04/02/2020 20:46:04		Received new 5 Minute DOT batch DISP-911ACC8
04/02/2020 20:42:33		Received new Real Time AS batch DISP-1353DAD
04/02/2020 20:42:30		Received new Unit Commitment batch DISP-12007
04/02/2020 20:41:03		Received new 5 Minute DOT batch DISP-DDA99AJ
04/02/2020 20:39:49		Hourly DOT batch DISP-936228A0-5784-4038-FFA

Valid	AGC	Res Type	Resource ID	Config ID	DOT	Start Time	DOT End Time	ED Fixed	ED Max	ED Min	Unit Commitment	Commitment Start Time	Commitment End Time	Comm Config
	N	GEN	7			0.00	20:52							
	N	GEN	A			0.00	20:52							
	N	GEN	A			0.00	20:52							
	N	GEN	A			13.00	13.00							
	N	GEN	A			0.00	0.00							
	N	GEN	A			0.00	0.00							
	N	GEN	A			0.00	0.00							
	N	TG	A			29.00	29.00							
	N	GEN	A			0.00	0.00				Startup	20:54	21:00	

New User Interface Demo

Step 1: Creating Custom profile (Saving a profile)

The screenshot displays a web application interface with several components:

- System Messages Log:** A table showing recent system messages with timestamps and descriptions. A red callout '1' is placed over the 'Configurations' tab.
- Configuration Buttons:** Two buttons are visible: 'Save Current Display Settings As a Template' (highlighted with a red callout '2') and 'Reset User Display Settings'.
- Private Display Profiles Table:** A table with columns: Profile Name, Description, Sharable, Created Date, Load, and Delete. It contains one entry: 'TEST Operator' with description 'Verify if the filters shared correctly', 'Yes' for Sharable, and '02/28/2020 16:16' for Created Date.
- Shared Display Profiles Table:** A table with columns: Owner, Profile Name, Description, and Created Date. It contains one entry: 'SKOORELLA' with 'Suresh Profile' for both Profile Name and Description, and '03/31/2020 1' for Created Date.
- Save Current Display Configuration Dialog:** A modal dialog box with fields for Profile Name (set to 'Generic Profile'), Description (set to 'ADS Demo'), and Sharable (set to 'Yes'). It has 'Submit' and 'Cancel' buttons. A red callout '3' is placed over the dialog, and a red callout '4' is placed over the 'Submit' button.
- Audio Alarm Configurations Table:** A table with columns: Batch Type and Audio File. It lists various batch types and their corresponding audio files.

New User Interface Demo

Step 2: Loading a shared profile

The screenshot displays the California ISO Automated Dispatch System interface. At the top, there is a navigation bar with the California ISO logo and the text "Automated Dispatch System". Below this is a table with columns: Interval, RT DOT, Hourly DOT, Exceptional, Commitment, RT AS, and Hourly AS. A red circle with the number "3" is placed over the "Commitment" column. To the right of this table are three tabs: "System Messages", "Query Tool", and "Configurations". The "System Messages" tab is active, showing a list of messages with timestamps and descriptions. A red circle with the number "1" is placed over the first message. Below the messages is a "Filter Resources" section with several checkboxes. In the center, there is a browser window titled "Configurations - - 1 - Google Chrome". This window contains a "Private Display Profiles" section with a table of profiles. A red circle with the number "2" is placed over the "Load" button for the "Generic Profile" row. The table has columns: Profile Name, Description, Sharable, and Created Date. Below the table are buttons for "Save Current Display Settings As a Template" and "Reset User Display Settings". On the left side of the main interface, there is a "Real Time" section with a table of resource data. The "AGC" tab is selected. The table has columns: Valid, Resource ID, Res Type, Accept DOT, and Accept St. The "Res Type" column contains the value "GEN" for multiple rows.

Interval	RT DOT	Hourly DOT	Exceptional	Commitment	RT AS	Hourly AS
Current Interval	10:45-10:50	10:00-11:00	Active	10:45-11:00	10:45-11:00	10:00-11:00
Dispatch Interval	10:50-10:55	11:00-12:00	08:45:00	11:15-11:30	11:15-11:30	11:00-12:00
Received/Status	10:46:03	09:56:31	08:41:03	10:42:01	10:42:04	09:56:35

Profile Name	Description	Sharable	Created Date	Load	Delete
Generic Profile	ADS Demo	Yes	04/06/2020 10:37	Load	Delete
TEST Operator	Verify if the filters shared correctly	Yes	02/28/2020 16:16	Load	Delete

New User Interface Demo

An Example of Custom profile

California ISO Automated Dispatch System

Interval	RT DOT	Hourly DOT	Exceptional	Commitment	RT AS	Hourly AS
Current Interval	11:25-11:30	11:00-12:00	Active	11:15-11:30	11:15-11:30	11:00-12:00
Dispatch Interval	11:30-11:35	12:00-13:00	08:45:00	11:45-12:00	11:45-12:00	12:00-13:00
Received/Status	11:26:03	10:56:01	08:41:03	11:15:30	11:15:32	11:07:45

System Messages

System Messages	Query Tool	Configurations
04/06/2020 11:26:03		Received new 5 Minute DOT batch DISP-FFB37168-5A61-4038-8A00-AC18024D23D4
04/06/2020 11:21:02		Received new 5 Minute DOT batch DISP-4BE1E620-5A61-4038-8A00-AC18024D23D4
04/06/2020 11:16:02		Received new 5 Minute DOT batch DISP-992A1930-5A60-4038-8A00-AC18024D23D4
04/06/2020 11:16:32		Received new Real Time AS batch DISP-86FDB190-5A60-4038-8A00-AC18024D23D4
04/06/2020 11:15:30		Received new Unit Commitment batch DISP-8608F150-5A60-4038-8A00-AC18024D23D4

Filler Resources

Real Time | Hourly Pre-Dispatch | By SCID - 5 min | Exceptional Dispatch | RT Commitment | Unannounced A/S Test | ETSR | FMM | FRU/FRD - RTD | FRU/FRD - FMM | 5 Min DOT Delta <0 | Hourly DOT Delta <0 | Partially Accepted or Declined | Commitment on MSG Config | On AGC

Valid	AGC	Res Type	Resource ID	Config ID	DOT Type	SC ID	RT Prev DOT	RT DOT	RT DOT Delta	DOT Start Time	DOT End Time	ED Fixed	ED Max	ED Min	Unit Commitment	Commitment Start Time	Commitment End Time	Commitment To Config	Current AS Total	Dispatch AS Total	Dispatch Spin	Dispatch Non Spin	Dispatch Regl Up	Dispatch Down
	N	GEN			DOT		62.88	63.96	-9.52	11:32									0.00	0.00	0.00	0.00	0.00	0.00
	N	GEN			DOT		13.58	11.05	-2.53	11:32									0.00	0.00	0.00	0.00	0.00	0.00
	N	GEN			DOT		6.57	6.32	-0.25	11:32									0.00	0.00	0.00	0.00	0.00	0.00
	N	GEN			DOT		28.00	28.00	0.00	11:32									0.00	0.00	0.00	0.00	0.00	0.00
	N	GEN			DOT		8.32	7.21	-1.11	11:32									0.00	0.00	0.00	0.00	0.00	0.00
	N	GEN			DOT		13.00	13.00	0.00	11:32									0.00	0.00	0.00	0.00	0.00	0.00
	N	GEN			DOT		12.39	12.51	0.12	11:32									0.00	0.00	0.00	0.00	0.00	0.00
	N	GEN			DOT		8.88	10.49	1.61	11:32									0.00	0.00	0.00	0.00	0.00	0.00
	N	GEN			DOT		54.70	54.70	0.00	11:32									0.00	0.00	0.00	0.00	0.00	0.00
	N	GEN			DOT		18.11	19.88	1.75	11:32									0.00	0.00	0.00	0.00	0.00	0.00

New User Interface Demo

Audio/visual Alarm settings

The screenshot displays a software interface with a 'System Messages' tab and an 'Audio Alarm Configurations' dialog box. Red callouts 1 through 6 highlight specific UI elements:

- 1:** A system message entry: "Received new 5 Minute DOT batch DISP-B1E13CE0-5A62-4038-8A00-AC18024D23D4".
- 2:** The 'Audio Alarm Configurations' dialog box title bar.
- 3:** The 'Unit Commitment' row in the 'Audio Alarm Configurations' table.
- 4:** The 'Update' button in the 'Audio Alarm Configurations' dialog box.
- 5:** The 'Batch Type' dropdown menu in the 'Audio Alarm Configurations' dialog box.
- 6:** The 'Reset Audio Profile' button in the 'Audio Alarm Configurations' dialog box.

The 'Audio Alarm Configurations' dialog box contains the following table:

Batch Type	Audio File	Mute	Sound	Play	Audio Alarm	Continuously	Show Popup Alert
5 Minute DOT	Sound_5MinDOT.wav	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Contingency Dispatch	Sound_Contingency.wav	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Exceptional Dispatch	Sound_OOS.wav	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hourly AS	Sound_HourlyAS.wav	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Hourly DOT	Sound_HourlyDOT.wav	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Real Time AS	Sound_AS.wav	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Unit Commitment	Sound_UnitCommitment.wav	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

Below the table, the 'Test Audio Sound File' is set to 'Sound_UnitCommitment.wav', with 'Play Sound' and 'Reset Audio Profile' buttons.

New User Interface Demo

Responding to HASP Instructions

California ISO Automated Dispatch System

Interval	RT DOT	Hourly DOT	Exceptional	Commitment	RT AS	Hourly AS
Current Interval	21:00-21:05	21:00-22:00	Active	21:00-21:15	21:00-21:15	21:00-22:00
Dispatch Interval	21:05-21:10	22:00-23:00	08:45:00	21:30-21:45	21:30-21:45	22:00-23:00
Received/Status	21:00:31	00:09	08:41:03	20:56:02	20:56:03	20:56:32

Filter Resources

Real Time Hourly Pre-Dispatch

Accept Decline Partial

Valid AGC Res Type Resource ID Config ID SC ID Hourly Prev DOT Hourly DOT Delta Hourly

Valid AGC Res Type	Resource ID	Config ID	SC ID	Hourly Prev DOT	Hourly DOT Delta	Hourly
N	ITIE			22.00	-6.00	1
N	ITIE			1.00	0.00	
N	ITIE			1.00	0.00	
N	ITIE			7.00	1.00	
N	ITIE			6.00	0.00	
N	ITIE			59.00	0.00	5
N	ITIE			5.00	-5.00	
N	ITIE			1.00	0.00	
N	ITIE			0.00	0.00	
N	ETIE			0.00	0.00	
N	ITIE			59.00	0.00	15
N	ETIE			45.00	0.00	4
N	ITIE			0.00	0.00	
N	ETIE			17.00	-13.00	93
N	ITIE			00.00	0.00	20

Partial Accept Confirmation

Resource ID :

Scheduled : 0

Instructed DOT : 934

Accept DOT :

Reason Code : Line down

Cancel Send

Trajectory Plot: /

New User Interface Demo

Navigate to view more records

California ISO | Automated Dispatch System

Interval	RT DOT	Hourly DOT	Exceptional	Commitment	RT AS	Hourly AS
Current Interval	05:40-05:45	05:00-06:00	Active	05:30-05:45	05:30-05:45	05:00-06:00
Dispatch Interval	05:45-05:50	06:00-07:00	08:45:00	06:00-06:15	06:00-06:15	06:00-07:00
Received/Status	05:41:02	04:56:01	08:41:03	05:28:31	05:28:32	04:56:06

System Messages | Query Tool | Configurations

04/03/2020 05:41:02 Received new 5 Minute DOT batch DISP-4D70C236-57D5-4038-FFA0-AC180248DA9D
 04/03/2020 05:39:46 Hourly DOT batch DISP-364ABA0-57D0-4038-FFA0-AC180248DA9D updated, new status = CLOSED
 ADS System Ready
 04/03/2020 05:36:02 Received new 5 Minute DOT batch DISP-SA90ACE0-57D5-4038-FFA0-AC180248DA9D
 04/03/2020 05:31:03 Received new 5 Minute DOT batch DISP-E7DB29E0-57D4-4038-FFA0-AC180248DA9D

Filter Resources

Real Time | Hourly Pre-Dispatch | By SCID - 5 min | Exceptional Dispatch | RT Commitment | Unannounced A/S Test | ETSR | FMM | FRU/FRD - RTD | FRU/FRD - FMM | 5 Min DOT Delta <= 0 | Hourly DOT Delta <= 0 | Partially Accepted or Declined | Commitment on MSG Config | On AGC

Valid	AGC	Res Type	Resource ID	DOT Type	SC ID	RT Prev DOT	RT DOT	RT DOT Delta	DOT Start Time	Current AS Total	Dispatch AS Total	Dispatch Spin	Dispatch Non Spin	Dispatch Regl Up	Dispatch Regl Down	Priority	Base Schedule
N	GEN			DOT		0.00	0.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0
N	GEN			DOT		0.00	0.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0
N	GEN			DOT		0.00	0.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0
N	GEN			DOT		28.00	28.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	28
N	GEN			DOT		0.00	0.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0
N	GEN			DOT		13.00	13.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0
N	GEN			DOT		0.00	0.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0
N	GEN			DOT		49.90	49.90	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	49.9
N	GEN			DOT		0.00	0.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0.2
N	GEN			DOT		0.04	0.04	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0.04
N	TG			DOT		31.00	31.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0
N	GEN			DOT		0.00	0.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0
N	GEN			DOT		0.00	0.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0
N	GEN			DOT		0.00	0.00	0.00	05:47	0.00	0.00	0.00	0.00	0.00	0.00	0.003	0

if you use the scrolling option to view more record system will show that spinning wheel when fetching new records

Trajectory Plot: DOP, DOT

Instructions - Resource ID:

Valid	Instruction Type	Accept DOT	Accept Status	Award MW	ED Energy Code	Instr MW	Min Accept	Self Sched MW	Start Time	End Time	Prev Goto	Responder	From Config Id	To Config Id
	DOT	0.00				0.00			05:47		0.00			
	DOT	0.00				0.00			05:42		0.00			
	DOT	0.00				0.00			05:37		0.00			
	DOT	0.00				0.00			05:32		0.00			
	DOT	0.00				0.00			05:27		0.00			
	DOT	0.00				0.00			05:22		0.00			
	DOT	0.00				0.00			05:17		0.00			
	DOT	0.00				0.00			05:12		0.00			
	DOT	0.00				0.00			05:07		0.00			
	DOT	0.00				0.00			05:02		0.00			
	DOT	0.00				0.00			04:57		0.00			
	DOT	0.00				0.00			04:52		0.00			
	DOT	0.00				0.00			04:47		0.00			

CONNECTED | MAPTEST | VERSION: 1.0.1-207 | 04/03/2020 05:42:13 PDT

New User Interface Demo

Navigate to view more records
Changed: How DOT & DOP Values are displayed



New ADS: DST Transitioning ability

- Time shift after DST Transition will be addressed in Query tool.
- EIM entities will have access to ADS dispatches for HE20 via API on day before the Short Day DST Transition.

Fall 2020 – ADS Replacement

Project Info	Details/Date
Application Software Changes	<ul style="list-style-type: none"> • Transition to web-based user interface to eliminate the need to install thick client • Transition ADS provisioning to the Access and Identity Management (AIM) application including Resource Level Access Controls (RACL) access • The query tool will provide 30 days of historical data • Various user interface enhancements adding content per Operation's request • ADS B2B services changes
BPM Changes	<ul style="list-style-type: none"> • Market Instruments • Market Operations
Tariff Changes	<ul style="list-style-type: none"> • N/A

Milestone Type	Milestone Name	Dates	Status
Board Approval	Obtain Board of Governors Approval	N/A	
External BRS	Post External BRS	Aug 06, 2018	✓
ADS Update	ADS Update Meeting	Aug 15, 2018	✓
ADS Demonstration	ADS WebEx Demonstration	Apr 16, 2020	
Config Guides	Design review - BPM and Tariff SMEs	N/A	
Tech Spec	Publish Technical Specifications	May 29, 2020	
Preview	ADS Replacement Application Preview	Jun 22, 2020	
Tariff	Tariff Activities	N/A	
BPMs	Post Draft BPM changes	Jul 20, 2020	
External Training	Provisioning ADS ACL Training	Jun 01, 2020	
	External Training Part 1 (Application Preview preparation)	Jun 11, 2020	
	Deliver External Training Part 2	Jul 16, 2020	
Market Sim	Market Sim Window	Jul 27, 2020 - Sep 04, 2020	
Production Activation	ADS Replacement	Oct 01, 2020	
Production	ADS Parallel Operations	TBD	
Decommission	Old ADS Decommission	TBD	

Questions

For follow-up questions or to suggest future topics please contact your client representative or submit a CIDI ticket.