

OASIS Functionality in the U2 Environment

OASIS Report	Market Type	Status	Notes	Defect #	Defect Notes/Status	ETA for Resolution
Tab Name: PRICES						
Locational Marginal Prices (LMP)	DAM	GUI: Operational API: Operational	The OASIS site has been upgraded to include a new XML/CSV downloading and caching mechanism. This enhanced downloading/caching mechanism will increase performance and reliability for all OASIS Downloads.	13596, 10955, 11560, 11573, 13201, 11560, 14035, 14101, 14136, 14121, 13968, 13931, 13925, 13905, 13787, 13759, 13796, 13544, 13535	Associated defects are set to Market Test. Downloading/Caching functionality is effective beginning with trading date of 8/18/2008.	Deployed on 8/18/2008
Locational Marginal Prices (LMP)	RUC	GUI: Operational API: Operational	The OASIS site has been upgraded to include a new XML/CSV downloading and caching mechanism. This enhanced downloading/caching mechanism will increase performance and reliability for all OASIS Downloads.		Associated defects are set to Market Test. Downloading/Caching functionality is effective beginning with trading date of 8/18/2008.	Deployed on 8/18/2008
Interval Locational Marginal Prices (LMP)	N/A	GUI: Operational API: Operational	The OASIS site has been upgraded to include a new XML/CSV downloading and caching mechanism. This enhanced downloading/caching mechanism will increase performance and reliability for all OASIS Downloads.		Associated defects are set to Market Test. Downloading/Caching functionality is effective beginning with trading date of 8/18/2008.	Deployed on 8/18/2008
HASP Locational Marginal Prices (LMP)	HASP	GUI: Operational API: Operational	The OASIS site has been upgraded to include a new XML/CSV downloading and caching mechanism. This enhanced downloading/caching mechanism will increase performance and reliability for all OASIS Downloads.		Associated defects are set to Market Test. Downloading/Caching functionality is effective beginning with trading date of 8/18/2008.	Deployed on 8/18/2008
AS Clearing Prices	DAM	GUI: Operational API: Operational	The AS Clearing Prices and Interval AS Clearing Prices reports will post as follows, as of 8/19/08: 1.) Post the AS price by AS Region, Per AS Type. Will post hourly for the DAM and HASP on an hourly basis, and 15-Minute prices for the RTM on a fifteen minute basis. This change was the result of the Market Participants indicating that posting the AS prices at the PNodes exposed their bidding patterns, as the CAISO Market Systems only calculate ASMP's at nodes where there were bids/schedules.	10497, 13596, and 11928	Note: The SC's had asked if we could go back for trading days prior to this AS Price change and back post the Regional Price Data. Due to the underlying changes in the payload/database formats, this will not be possible. The ISO will not be back-posting any data for dates prior to 8/18.	Deployed on 8/18/2008

As of 8/19/2008

OASIS Functionality in the U2 Environment

OASIS Report	Market Type	Status	Notes	Defect #	Defect Notes/Status	ETA for Resolution
AS Clearing Prices	HASP	GUI: Semi-Operational API: Semi-Operational	The HASP AS Clearing Prices are reporting as nulls. There is an ISO defect opened to correct this. Upon deployment of this fix, the HASP AS Clearing Prices will zero. This is because there is no HASP AS procurement in Release 1 of MRTU.	12976		25-Aug
Interval AS Clearing Prices	RTM	GUI: Operational API: Operational	The AS Clearing Prices and Interval AS Clearing Prices reports will post as follows, as of 8/19/08: 1.) Post the AS price by AS Region, Per AS Type. Will post hourly for the DAM and HASP on an hourly basis, and 15-Minute prices for the RTM on a fifteen minute basis. This change was the result of the Market Participants indicating that posting the AS prices at the PNodes exposed their bidding patterns, as the CAISO Market Systems only calculate ASMP's at nodes where there were bids/schedules.	10497, 13596, and 11928	Note: The SC's had asked if we could go back for trading days prior to this AS Price change and back post the Regional Price Data. Due to the underlying changes in the payload/database formats, this will not be possible. The ISO will not be back-posting any data for dates prior to 8/18.	Deployed on 8/18/2008
Intertie Constraint Shadow Prices	DAM	GUI: Operational API: Operational			Note: There was a mention in the OASIS API spec that there would be RUC Shadow Prices posted. This has been removed from scope, as RUC Shadow Prices are not calculated by the upstream Market Systems	
Intertie Constraint Shadow Prices	HASP	GUI: Not Operational API: Not Operational	There is a change effort in progress to correct this issue.	12967		25-Aug
Intertie Constraint Shadow Prices	RTM	GUI: Operational API: Operational				
Fuel Prices	N/A	GUI: Operational API: Operational				
Tab Name: TRANSMISSION						
Current Transmission Usage	N/A	GUI: Operational API: Operational	The "Hourly Unused TR Capacity" and "Constraint" values are currently stubbed in numbers until the full ETCC functionality is deployed.			

As of 8/19/2008

OASIS Functionality in the U2 Environment

OASIS Report	Market Type	Status	Notes	Defect #	Defect Notes/Status	ETA for Resolution
Transmission Interface Usage	DAM	GUI: Operational API: Operational	The "Hourly Unused TR Capacity" and "Constraint" values are currently stubbed in numbers until the full ETCC functionality is deployed.			
Transmission Interface Usage	HASP	GUI: Operational API: Operational	The "Hourly Unused TR Capacity" and "Constraint" values are currently stubbed in numbers until the full ETCC functionality is deployed.			
Market Available Transmission Capacity	DAM	GUI: Operational API: Operational				
Market Available Transmission Capacity	HASP	GUI: Operational API: Operational				
Transmission Outages	N/A	GUI: Operational API: Operational				
Tab Name: SYSTEM DEMAND						
CAISO Peak Demand Forecast	N/A	GUI: Operational API: Operational	The posting by TAC area breakdown is now functional.			
CAISO Demand Forecast	2DA Forecast	GUI: Operational API: Operational				
CAISO Demand Forecast	DAM	GUI: Operational API: Operational				
CAISO Demand Forecast	ACTUAL	GUI: Semi-Operational API: Semi-Operational	The Actual Load and 5-Minute Forecast values are not reflective of the Load Simulated in the U2 environment. The values come from the production/test EMS system, not the U2 EMS	ISO Configuration	In order to run certain Market Simulation scenarios, the ISO must maintain the current configuration of using static Load Data for the DAM.	Not set at this time
CAISO Demand Forecast	5-Minute	GUI: Semi-Operational API: Semi-Operational	The Actual Load and 5-Minute Forecast values are not reflective of the Load Simulated in the U2 environment. The values come from the production/test EMS system, not the U2 EMS	ISO Configuration	In order to run certain Market Simulation scenarios, the ISO must maintain the current configuration of using static Load Data for the DAM.	Not set at this time
Tab Name: ENERGY						
System Load and Resource Schedules	DAM	GUI: Operational API: Operational				
System Load and Resource Schedules	RUC	GUI: Semi-Operational API: Semi-Operational	Note: The RUC Export field will be removed from this report.	14754		1-Sep
System Load and Resource Schedules	HASP	GUI: Operational API: Operational	The Generation field was removed from this report. The Tie-Generation MW is now included in the Import value.			
System Load and Resource Schedules	RTM	GUI: Operational API: Operational				
Expected Energy	N/A	GUI: Operational API: Operational	All EE types may not currently show in the OASIS report, depending on the scenario that is running on the specific Trading Day. For a listing of all of the valid EE types that will appear in this			

As of 8/19/2008

OASIS Functionality in the U2 Environment

OASIS Report	Market Type	Status	Notes	Defect #	Defect Notes/Status	ETA for Resolution
Exceptional Dispatch	N/A	GUI: Semi-Operational API: Semi-Operational	Note: There is a current ISO change effort in the beginning stages that will impact this report. There is an FERC transparency requirement to post to OASIS, the reason for the Exceptional Dispatch. This data item is not currently in the report design. The ISO expects to add one additional field to this report that will list the "Instruction Type" of the Exceptional Dispatch. These "EDE" types are listed in the BPM for Market Operations, Appendix C, Section C.4 The details of this change are expected to be documented in the next few weeks.	ISO Change Effort		15-Sep
Market Power Mitigation Status	DAM	GUI: Operational API: Operational				
Market Power Mitigation Status	RTM	GUI: Operational API: Operational				
RMR	DAM	GUI: Operational API: Operational				
RMR	RTM	GUI: Operational API: Operational				
Marginal Losses	DAM	GUI: Semi-Operational API: Semi-Operational	Currently, only the MWh values are posting. The Total system Marginal Loss Costs (\$) are not posting.	11631		1-Sep
Marginal Losses	HASP	GUI: Not Operational API: Not Operational	Currently, no data is posting. The Total system Marginal Loss Costs (\$) will also post for the HASP, which is new functionality.	11631		1-Sep
Marginal Losses	RTM	Removed from Scope	The RTM posting has been removed from scope, as the losses are not calculated by the RTM market system.			
Resource Adequacy and Minimum Load	DAM	GUI: Operational API: Operational				
Resource Adequacy and Minimum Load	RUC	GUI: Operational API: Operational				
Resource Adequacy and Minimum Load	RTM	GUI: Operational API: Operational				
Tab Name: ANCILLARY						
AS Requirements	2DA Forecast	GUI: Not Operational API: Not Operational	1. 2DA AS Requirements not available.	13835		1-Sep
AS Requirements	DAM	GUI: Operational API: Operational				
AS Requirements	HASP	GUI: Operational API: Operational				

As of 8/19/2008

OASIS Functionality in the U2 Environment

OASIS Report	Market Type	Status	Notes	Defect #	Defect Notes/Status	ETA for Resolution
AS Results	DAM	GUI: Operational API: Operational	The AS Results report has been modified to include the following: 1.) Post Total AS Costs by AS Region, per AS Type. 2.) Post Total AS MW by AS Region, per AS Type, for procured and self-scheduled. Posts hourly data for the DAM and HASP and in 15-Minute intervals for the RTM. This data is needed in order to properly calculate AS Charge	12581, 13826, and 13492		Deployed on 8/18/2008
AS Results	HASP	GUI: Operational API: Operational	The AS Results report has been modified to include the following: 1.) Post Total AS Costs by AS Region, per AS Type. 2.) Post Total AS MW by AS Region, per AS Type, for procured and self-scheduled. Posts hourly data for the DAM and HASP and in 15-Minute intervals for the RTM. This data is needed in order to properly calculate AS Charge	12581, 13826, and 13492		Deployed on 8/18/2008
AS Results	RTM	GUI: Operational API: Operational	The AS Results report has been modified to include the following: 1.) Post Total AS Costs by AS Region, per AS Type. 2.) Post Total AS MW by AS Region, per AS Type, for procured and self-scheduled. Posts hourly data for the DAM and HASP and in 15-Minute intervals for the RTM. This data is needed in order to properly calculate AS Charge	12581, 13826, and 13492		Deployed on 8/18/2008
Actual Operating Reserves	N/A	GUI: Operational API: Operational	The Actual Load values are not reflective of the Load Simulated in the U2 environment. The values come from the production EMS system, not the U2 EMS	ISO Change Effort		
Tab Name: CRR						
CRR Clearing Prices	N/A	GUI: Operational API: Operational	There is no delivery date set for implementation for this functionality. This data is needed in order to properly calculate AS Charge Codes for Settlement purposes			
CRR Inventory	N/A	GUI: Operational API: Operational	Data will remain static throughout the course of the Market Simulation period. There is data available for this Market: ALLOC AN 20080401 20080630 T1			
Tab Name: PUBLIC BIDS						
Public Bids	DAM	GUI: Not Operational API: Not Operational	Data will remain static throughout the course of the Market Simulation period.	ISO Change Effort	This is a low priority, as data for this report will not post to OASIS until 180 after the deployment of MRTU.	1-Oct
Public Bids	RTM	GUI: Not Operational API: Not Operational	Data will remain static throughout the course of the Market Simulation period.	ISO Change Effort	This is a low priority, as data for this report will not post to OASIS until 180 after the deployment of MRTU.	1-Oct
Tab Name: ATLAS						
PNode Listing	N/A	GUI: Operational API: Operational				
APNode Listing	N/A	GUI: Operational API: Operational				
Load Distribution Factors (LDFs)	N/A	GUI: Operational API: Operational				

As of 8/19/2008

OASIS Functionality in the U2 Environment

OASIS Report	Market Type	Status	Notes	Defect #	Defect Notes/Status	ETA for Resolution
Load Aggregation Point Listing	N/A	GUI: Operational API: Operational				
Market Resource Listing	N/A	GUI: Operational API: Operational				
Trading Hub Listing	N/A	GUI: Operational API: Operational	Note: Currently, the ONPEAK and OFFPEAK versions of the Hubs are in the payload. These will be eliminated, and the only valid Trading Hubs will be the following: TH_NP15_GEN TH_SP15_GEN TH_OFFPEAK_GEN	ISO Change Effort		1-Sep
Trading Hub - PNode Mapping	N/A	GUI: Operational API: Operational	Note: Currently, the ONPEAK and OFFPEAK versions of the Hubs are in the payload. These will be eliminated, and the only valid Trading Hubs will be the following: TH_NP15_GEN TH_SP15_GEN TH_OFFPEAK_GEN	ISO Change Effort		1-Sep
Ancillary Service Region - PNode Mapping	N/A	GUI: Operational API: Operational				
TAC Area - PNode Mapping	N/A	GUI: Operational API: Operational				
Intertie Constraint Mapping	N/A	GUI: Operational API: Operational				
Transmission Interface Listing	N/A	GUI: Operational API: Operational				
Publications and Revisions	N/A	GUI: Operational API: Operational				
Performance Statistics	N/A	GUI: Not Operational API: Not Operational	Note: The OASIS Performance Statistics will be provided as a link on OASIS, and removed from the Atlas Tab	ISO Change Effort	The OASIS Performance Statistics are a FERC requirement for the CAISO OASIS site	1-Oct
OASIS Publication Schedule	N/A	GUI: Operational API: Operational				
System Operating Messages	N/A	GUI: Not Operational API: Not Operational		ISO Change Effort		1-Sep
OASIS Links						
System Operating Messages	N/A	GUI: Not Operational		ISO Change Effort		1-Sep
Performance Statistics	N/A	GUI: Not Operational		ISO Change Effort		

As of 8/19/2008