

MRTU Implementation Questions and Answers

New Postings: January 24, 2008

New Questions: S-53, IS-09, CRR-27, CRR-28, CRR-29, CRR-30, BS-224, BS-225, BS-226, BS-227, PMI-54

New Responses: S-53, BS-202, BS-226, R3-06, R3-14

Revised Responses:

Settlements (S)

Date	Number	Reference – Document / Page / Section	Question	Response Date	Response
01/18/2008	S-53	MRTU Implementation Mailbox	<p>In the current market, CAISO collects losses under CT 4450 for external control areas for schedules across the Four Corners and Sylmar Inter-ties.</p> <p>Under MRTU losses are imbedded in the LMP for schedules and awards within the CAISO control area.</p> <p>When MRTU is implemented, will CAISO continue to collect losses for schedules across the Four Corners and Sylmar? If so, what mechanism (PTB?) and charge type will be used for this calculation?</p>	01/24/2008	<p>With MRTU the accounting of supplemental losses has been continued through the pre-calculation defined in Allocation of Transmission Losses Under Operating Agreements Pre-calculation, which provides a calculation of supplemental loss quantities for interties. These loss quantities are then charged in CC Transmission Loss Obligation Charge for RT Schedules under a Operating Agreement (CC 6976) and allocated in Allocation of Transmission Loss Obligation Charge for RT Schedules under a Operating Agreement (CC 6977)</p> <p>Refer to the following BPMs:</p> <p>Pre-Calc Allocation of Transmission Losses Under Control Agreements</p> <p>http://www.aiso.com/1b6a/1b6aa4ae3a12.doc</p>

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					<p>6976 Transmission Loss Obligation Charge for Real Time Schedules Under Control Agreement http://www.caiso.com/1b6a/1b6aa4e340b2.doc</p> <p>6977 Allocation of Transmission Loss Obligation Charge for Real Time Schedules Under Control Agreement http://www.caiso.com/1b6a/1b6aa4e240b0.doc</p>

Information Security (IS)

Date	Number	Reference – Document / Page / Section	Question	Response Date	Response
01/18/2008	IS-09	MRTU Implementation Inbox	What is the methodology for go-live security certificates? (e.g. migrate or new).	01/17/2008	<p>New certificates will not have to be issued to users that already have one. There is no difference between a certificate used for Market Simulation and/or Production. They are all the same. With our new design, it is Cleartrust that determines the environment where the certificate can be used. We are in the process of working with MRTU on reconciling all the production users and access that they need to perform their jobs. Once this is completed we cut any certificates for new users as well as configure/provision production LDAP & Cleartrust with this information. On Feb 29 we will point the MRTU U2 systems to the production LDAP.</p>

CRR's

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01/18/2008	CRR-27	MRTU Implementation Inbox	<p>In reference to CT 6798 - There is a subscript for the inputs of W which represents the CRR Auction Transaction Date.</p> <p>Where exactly can we find the CRR Auction Transaction Date? Is it loaded from the CRR Auction Results file? If so, which tag is it under?</p> <p>If not, then where can we find it?</p>		<i>Response Pending</i>
01/18/2008	CRR-28	MRTU Implementation Inbox	<p>In reference to CC 6489 - Formula section 3.6.1 and 3.6.1.1 define the same component two different ways. Can you please provide guidance on which one is correct? Or when to use each equation?</p>		<i>Response Pending</i>
01/18/2008	CRR-29	MRTU Implementation Inbox	<p>Concerning CC 4480 -</p> <p>In reference to the calculation for Positive UDP, the piece below from the BPM Ccompliance Monitoring doc 2.4.1: If there are no energy exemptions for the resource, and the DOPD is > 0, then the Total Exemption Energy would be 0 according to the equations below. However that contradicts the statement that says the exemption energy is equal to the negative of the DOPD with the exception of exemption energy. Are the</p>		<i>Response Pending</i>

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			<p>below statements from the BPM Compliance Monitoring doc correct?</p> <p>"Exemption Energy is equal to the negative of the DOPD of the deviating resource, with the exception of Exemption Energy for the Start-Up and Shut-Down Energy exemption, which can be various values that range up to the negative of the DOPD of the exempted resource.</p> <p>If DOPD > 0, Total Exemption Energy = max(-DOPD, SUM of individual energy exemptions for the resource)</p> <p>If DOPD < 0, Total Exemption Energy = min(-DOPD, SUM of individual Energy exemptions for the resource) "</p>		
01/23/2008	CRR-30	MRTU Implementation Inbox	In reference to CT 6799, how or where can we find the CRR Auction completion date? Is this the end date of the CRR Auction from the Auction Results file?		<i>Response Pending</i>

Bidding and Scheduling (BS)

Date	Number	Reference – Document / Page / Section	Question	Response Date	Response
11/13/2007	BS-202	Client Inquiry	I have several questions regarding the testing of imports and exports. How	01/22/2008	1. Must be tagged by 1800 for the next day, or no-pay

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			<p>would the following transactions settle?</p> <p>A Day-ahead import/export transaction that DOES NOT have a tag entered into the tagging system per WECC day-ahead deadlines.</p> <p>A Day-ahead import/export transaction that does have a day-ahead tag, but the tag is curtailed via a transmission curtailment in the real-time (intra-hour) market. (With this scenario there is no capability of scheduling power within the hour.)</p> <p>A Day-ahead import/export transaction does that has a day-ahead tag, however, the tag is curtailed via a transmission curtailment prior to the real-time tagging deadline, but there is no replacement tag because of external circumstances.</p> <p>A Day-ahead import/export transaction has a day-ahead tag, but the tag is curtailed well before the HASP market runs, and there is no current re-supply.</p> <p>Example 3 or 4 happens, but the participant submits a tag to replace the curtailed power.</p> <p>If and when the HASP clearing price for</p>		<p>2, 3, 4. Uninstructed deviation</p> <p>5. Make sure the new tag has the same Resource ID as the previous tag it will settle with the replaced MWh amount</p> <p>6. There is no other market after HASP that would enable you to submit an alternate point.</p> <p>HASP</p> <p>1, 2, 3: If there is no tag, there is no flow, therefore payment will not be made, and you'll be charged the uninstructed deviation price.</p>

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			<p>a particular import point is congested downward due to congestion – If the participant moves the physical import to an alternate import point in the HASP market, how will the DA transaction settle and how will the new HASP transaction settle?</p> <p>Suppose a participant places a Bid into the HASP market at a particular import/export point, the HASP market runs and the participant receives an award. How would the transaction settle if:</p> <ol style="list-style-type: none"> 1. The physical tag is curtailed in the real-time market due to TLRs. 2. The physical tag is “botched” and no tag is “approved” for physical flow. 3. There is a “disregard” in placing in a physical tag. 		
01/22/2008	BS-224	ISO Customer Service	<p>In Response to BS-203:</p> <p>If I own or contract with an Intertie resource that must receive commitment instructions by noon TD-1 or otherwise it would not be available on TD.</p> <p>Then that resource would be considered an Extremely Long-Start Resource and thereby would receive any commitment</p>		<i>Response Pending</i>

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			<p>instructions on TD-2 through the ELC process.</p> <p>Is that correct?</p>		
01/23/2008	BS-225	MRTU Implementation Inbox	<p>In SIBR documentation, a graphic shows the master file update occurring before DAM close. However, wording in the document suggests the update occurs after DAM close.</p> <p>Is the master file updated <i>after DAM closes</i> T-1? What time of day would this occur?</p>		<i>Response Pending</i>
01/23/2008	BS-226	Client Inquiry	<p>1) Currently, (Phase 1b) we are required to use the “unit contingent” product code on NERC e-tag as the primary determinant for identification of any import, designated as firm energy without reserves. It is my understanding that the use of this product only recently went into effect. Under MRTU we have registered only Firm and Non Firm products (resource id) on the interties. Will this new type of product “Firm without reserves” have to be registered for MRTU?</p> <p>2) In addition, I think there are changes to the settlement equation which must occur to make the settlement accurate if this product is to be used in the CAISO control area. This issue just came to my</p>	01/23/2008	<p>1) Under MRTU we would expect that an import that is a “Firm without reserve” produce would be registered in the Master File as Unit Contingent instead of Firm. If it is registered as Firm it is expected that the produce is Firm with reserves.</p> <p>2) As long as the import that is “Firm without reserves” is indeed registered as “Unit Contingent” then the Operating Reserve Obligation already considers the Unit Contingent product.</p>

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			attention this week and so I might not be aware of all the change to systems.		
01/23/2008	BS-227	MRTU Implementation Inbox	Will you please provide information to us regarding how a Dynamic Export is scheduled and awarded in MRTU? The only mention of this type of resource is in the Ancillary Services Pre-calculation Settlement BPM document in section 3.6.39.7. I reviewed the Market Instruments BPM, and all of the mentioning of Dynamic System Resources state that they are Import only resources (Section 5 (System Resource definition) and footnote 3 at the bottom of page 20).		<i>Response Pending</i>

Public Market Information (PMI)

Date	Number	Reference – Document / Page / Section	Question	Response Date	Response
01/23/2008	PMI-54	Market Simulation Inbox	Will the CAISO continue to publish Hub prices at an hourly granularity (in addition to the on-peak and off-peak versions)? Or will there just be two prices per hub per day?		<i>Response Pending</i>

Integrated Market Simulation—Release 3 (R3)

Date	Number	Reference – Document / Page / Section	Question	Response Date	Response
11/02/2007	R3-06	Market Simulation Mailbox	<p>Regarding use of OMAR in IMS-R3:</p> <p>What is the URL to access the OMAR Test system?</p> <p>Will the link to OMAR Test system be accessible from the MRTU Portal?</p> <p>Will our existing OMAR certificates work on the Test OMAR system? Or, do we need to obtain new ones? If so, what is the process?</p>	10/23/2007	<p>OMAR will be available for IMS-Update1 and all succeeding IMS/Preproduction releases.</p> <p>All of the information regarding OMAR IMS Update 1 is on the ISO Website at:</p> <p>Title of document: OMAR Market Simulation Information Sheet http://www.caiso.com/1c2d/1c2d9ced4aa60.html</p> <p>More detail for the following answers are available in the OMAR Market Simulation Information Sheet noted above.</p> <p>The URL to access the OMAR Test system is: * For Update 1: OMAR-Online: MRTU Market Simulation website URL address: https://omarsta.caiso.com:444</p> <p>OMAR ECN-FTP Interface California ISO OMAR ECN-FTP server IP addresses for MRTU Market Simulation:</p>
11/08/2007	R3-14	Market Simulation Mailbox; SaMC Interface Specification v3.2, p. 29	<p>On page 29 of the SaMC Interface Specification v3.2, there is a listing for BillDeterminant.Attribute.name which refers to up to 30 different possible attributes. Where can I find this list? Can the CAISO provide a link to the correct BPM and section of the BPM? I</p>	1/18/2008	<p>The list of attributes can be found in the Design Standard and Convention posted on the CAISO web site. http://www.caiso.com/1bd7/1bd7ebbc72fc0.html</p>

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			could not locate the information in the BPM for Settlements and Billing.		