

## MRTU Implementation Questions and Answers

*New Postings: February 5, 2008*

New Questions: BS-229, C-08, CRR-31, CRR-32, D-14, FNM-23, S-56, S-57

New Responses: CRR-30, IS-09

Revised Responses:

### Bidding and Scheduling (BS)

Date	Number	Reference – Document / Page / Section	Question	Response Date	Response
02/04/2008	BS-229	MRTU Implementation Inbox	<p>Regarding Aggregate Generation resources:</p> <p>It is to our understanding that in MRTU we have an Aggregate Generation resource type, which is a physical resource that can schedule power.</p> <p>Is there also the concept of “aggregation” for generation units, where multiple generators can be grouped under an “aggregate” name? An “aggregate” name that is not a physical resource but just the name for the grouping of generation units.</p> <p>If so, how is that communicated? Is there something in a participant’s master</p>		<i>Response Pending</i>

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			file that denotes this? Can physical aggregate generation resources be grouped under an “aggregation”?		

**Compliance (C)**

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02/04/2008	C-08	MRTU Implementation Mailbox	Regarding the Positive/Negative UDP charges:  In the compliance monitoring document, they speak of the Positive/Negative UDP charge for Aggregations, is this calculated for just the grouping of generators under an aggregate? Or is it calculated for the physical aggregate generator? Could you please clarify this?		<i>Response Pending</i>

**CRR's**

Date	Number	Reference – Document / Page / Section	Question	Response Date	Response
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?	02/04/2008	The transaction date is the date the auction was posted. The End Date is the end date of any CRRs issued in that auction.
02/04/2008	CRR-31	CRRDATA Mailbox	Example (hypothetical scenario):  SC1 has a generator with a capacity of	02/04/2008	In CRR system, CAISO models the Existing Transmission Contracts (ETCs) as transmission

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			<p>15 MW, and has submitted a TRTC instruction submitted to the CAISO included that generator as a specific source for a contractual right of 10 MW, but with a proposed usage of 2 MW, would the CAISO reserve a portion of that units capacity for ETC rights based on the usage, the contractual right, or do nothing. Assuming that the CAISO reserved a portion of that unit for ETC scheduling, would it be correct to say that if SC1 nominated a CRR for 15 MW at that facility, the nomination could be reduced down to 13MW or 5 MW depending on how the ETC is modeled to insure feasibility.</p> <p>How does CAISO model ETC in CRR System?</p>		<p>rights, generally not associated the ETC with a particular resource. The CAISO will model the ETC based on its expected usage as a Point-Point CRR Obligation with high priority. If the ETC flow goes directly through an interface constraint, the amount of unused ETC, defined as (ETC Contract Right – Expected Usage), would be reduced from the interface capacity limit. If the ETC did not flow through interface, then the ETC is only modeled as a CRR nomination based on expected usage.</p> <p>Please beware that ETC nominations, along with Full Network Model, APNODEs, interface limits were released to Market Participants with NDA. For the example above, CAISO will model ETC as a 2 MW CRR nomination with high priority. If the ETC directly flow through an interface, (10-2)= 8MW unused ETC will be reduced from the interface limit.</p>
02/04/2008	CRR-32	CRRDATA Mailbox	<p>Please see example in question CRR-31:</p> <p>What is the impact on other CRR nomination if it shares the same resource with ETC?</p>	02/04/2008	<p>If Market Participant demonstrates that it could schedule the energy from the specified resource to sever its load, either through ownership or contractual right, the MP can nominate a CRR from that resource in allocation process. However, all the CRR nominations, along with ETC, subject to simultaneous feasibility test (SFT). If the nominated CRR compete with ETC on a binding constraint, assuming both have the same impact (shift factor) on the constraint, the ETC will have advantage over the nominated</p>

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					<p>CRR, because ETC has higher priority.</p> <p>For the example above, if the MP demonstrates eligibility of 15 MW from the resource, the MP can nominate 15 MW CRR. CAISO will run SFT. If the nomination has no impact on binding constraints, the MP can be awarded 15 MW CRR. If it competes with ETC on the same constraint, the CRR SFT will reduce the CRR nomination first. The awarded CRR will be less than 15 MW. For a simple case, if both nominated CRR and ETC have Shift Factor =1 on the only binding branch with limit 15 MW, assuming only the nominated CRR and ETC go through this line, ETC will get 2 MW, and CRR will get 13 MW.</p>

**Dispatch (D)**

Date	Number	Reference – Document / Page / Section	Question	Response Date	Response
02/04/2008	D-14	MRTU Implementation Inbox	<p>ADS Questions:</p> <p>In the ADS Dispatch file, what is the difference between the dot, acceptdot, and hourlyMw values?</p> <p>In what tag would the reason code for 'declined' or 'partially accepted' be in?</p>		<i>Response Pending</i>

**Full Network Model (FNM)**

Date	Number	Reference – Document / Page / Section	Question	Response Date	Response
02/04/2008	FNM-23	MRTU Implementation Inbox	<p>These questions are based on the document posted at:  <a href="http://www.caiso.com/1be9/1be997d9533d0.xls">http://www.caiso.com/1be9/1be997d9533d0.xls</a>:</p> <p>Is the list of Market Resources ID final? MKT_RES has a list of 575 Resources, but I've seen in one of your document, that there will be around 3000 locations under MRTU. Might need some explications on this 3000 number, what does it include, what is the list of those 3000 locations? What do they represent?</p> <p>Is the mapping between RES_ID and PNODE_IS one-to-one or could we have a situation where a RES_ID is related to multiple PNODE_ID? Will this relation be changing under MRTU</p> <p>Same question as the precedent one, between PNODE_ID and BUS_ID</p> <p>Will you publish a LMP for APNode or it has to be calculated from the PNODE_ID LMPs related to the CHILD_ID of the given APNode?</p> <p>Will you publish a LMP each LAP, or does it have to be calculated from LMPs of the PNODE_ID of the given LAP_ID?</p>		<i>Response Pending</i>

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			<p>Will the set of TH be extended post MRTU? Or it will stay the same (NP15, SP15 and ZP26)?</p> <p>From the Tab AS MAP: is this correct:  NP26 = NP15 + ZP26 and SP26 = SP15 - ZP26 ?</p>		

### Information Security (IS)

Date	Number	Reference – Document / Page / Section	Question	Response Date	Response
01/17/2008	IS-09	MRTU Implementation Inbox	What is the methodology for go-live security certificates? (e.g. migrate or new).	02/04/2008	The U2 environment will become the Production environment at cutover. Thus, the digital certificates that users are using for U2 will become "Production" certificates—they will not need new ones.

### Settlements (S)

Date	Number	Reference – Document / Page / Section	Question	Response Date	Response
02/04/2008	S-56	MRTU Implementation Inbox	Please confirm that the Dispatch Interval Exceptional Incremental IIE Bid Price applies only to the Incremental Exceptional Energy quantity and the flip-side of that (Dispatch Interval Exceptional Decremental IIE Bid Price applies to Decremental Exceptional		<i>Response Pending</i>

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			Energy quantity).		
02/04/2008	S-57	MRTU Implementation Inbox	<p>For the Positive/Negative UDP charge type: In the compliance monitoring document it specifies how to calculate DOPD for non-dynamic resources as:</p> <p>"DOPD for Non-Dynamic System Resource [MWh] = System Resource Checkout/6 – Expected Energy"</p> <p>What exactly is the System Resource Checkout? How would it be calculated?</p>		<i>Response Pending</i>