FREQUENTLY ASKED QUESTIONS (FAQs)

Outage Management System Replacement – Customer Partnership Group

Common Business Rules

a) BRL004: No forced outage reports. That is correct beginning October 1, 2014, the “Forced Outage Report” will no longer be required.

b) BRL005: After: Are “changes” purely duration or capacity driven? Duration driven. Or are there specific NOW changes that will make a resource outage go from forced to planned? Any outage submitted within the “Forced” timeframe will remain Forced for the duration of the outage unless it is rescheduled into the planned timeframe prior to the outage starting. The “Partial Forced” functionality has been postponed until a later phase of OMS.

c) BRL010: How will the priority date impact RA obligations? Priority date may determine if a RA resource is required to replace generation, if replacement is required.

d) BRL016: Can the CAISO define the term load curtailment? Yes, it applies to Non-Generator Resource (NGR) availability of load to curtail.

e) BRL017: Can the CAISO define the term load rerate? Yes, it applies to NGR, PMin (the minimum normal capability of the generating unit) rerate for load curtailing NGR.

f) BRL018: Can the CAISO define the term ramp rate rerate? Yes, it is an adjustment to a resource documented ramp rate. Can ramp rerates be entered for the next day after 22:00 the day before operation? Yes.

g) BRL019: Can the Pmin rerate be different at different times on the same outage? No overlapping PMin rate cards are allowed. PMin may be adjusted during the duration of the outage card. A single Pmin outage card is allowed per resource at a given time and may have different values during that outage period.

h) BRL022: Can the CAISO please provide an example on how this would impact generation? Will this only impact the transmission side? It will impact transmission equipment only.

i) BRL024: Can the CAISO please provide an example on how this would impact generation? All changes proposed during an outage window must be within that window’s duration. Availability, Pmin rerate or Ramp Rate changes must be within the outage window. Will this only impact the transmission side? It will impact ALL outages.

j) BRL025: Can the CAISO please provide an example on how this would impact generation? Will this only impact the transmission side? It will only impact transmission.

k) BRL026: Will the external users be able to see the group ID? External users will be able to see the group IDs when the Group visibility flag for the specified group is set to All Users. Additionally, outage groups will only be created and managed by the CAISO.

l) BRL027: Can the CAISO define the term trumping? Trumping is transmission switch position over riding a current outage switch position due to a new Forced Outage. It allows a short notice outage to override the position of a conflicting switch change previously submitted.

Generation Only Business Rules

a) BRL001: In the CAISO’s market there are two types of aggregate ID’s that could be impacted by this rule, MSG resource and PSP resources. How will a change to a child resource ID’s (those above 50 MWs) availability impact the aggregate parent resource ID’s number. Will the SC need to submit two availabilities 1) for the
parent and 2) for the child? Yes, all resources with an outage of 50MW or more along with aggregate child resources are required to report derates of 50MW or greater to the ISO for Peak RC reporting.

b) BRL005: Do the ITIE/ETIE resources only get outages and changes to availability if they are a PsuedoTie? No, all ITIE/ETIE resources can be outaged if they are Non-specific RA resources using the interties.

c) BRL008: Will the CAISO OMS alert the user when if there are more than one pending outage request for a resource? Upon submission of a second pending request on a resource, the system will provide an error message. The user can then withdraw the first request and put all the changes on the second request, or they can contact the CAISO and request the first request to get processed and then submit the second request.

Business Rules Vs Business Requirement Conflicts

a) BRL005: A change request to an outage may transition a Planned Outage into the Forced timeframe and, conversely, a Forced Outage into a Planned timeframe. This will lead to outage type changes, in compliance with conditions described below.

If \( \{(\text{Outage Type} = \text{"Planned"}) \text{ and } (\text{New Planned Outage Start Time} - \text{Time of Outage Request Entry}) \leq \text{Threshold} \} \)

Then Outage Type = "Forced"

Else If \( \{(\text{Outage Type} = \text{"Forced"}) \text{ and } (\text{New Planned Outage Start Time} - \text{Time of Outage Request Entry}) > \text{Threshold} \} \)

Then Outage Type = "Planned"

Else Outage Type remains unchanged

Seems to conflict with -

b) BRQ008: After an outage has been entered into OMS, all subsequent modifications in that outage shall be accomplished via change requests. An accepted request may lead to a change in the outage type:

There is no conflict, change requests are the mechanism causing the changes in BRL005.

For Generation Outage

-For an originally planned outage that is approved, if the change request is accepted then, the outage remains "Planned". If the change request is denied, there is no change to the original "Planned" outage and a new outage may be submitted. Correct.

-For an originally forced outage, if time of outage change request entry is before the New Planned Outage Start Time and the length of time between the time of outage change request and new Planned Outage Start Time is larger than the threshold then, the outage type shall be changed to "Planned". These are not inconsistent. If the outage hasn’t started yet and a user puts in a change request to have the outage start greater than the threshold then, the outage will change from a forced to a planned outage.

External Business Requirement Document Questions:

1) BRQ016:

a) Does this Business Requirement cover external participants? No

b) What kind of grouping does CAISO plans for the outages? Grouping of outages is mostly used for internal purposes. Some groups are created automatically by the system and will be visible to external users. Please refer to OMS-COM-BRL028 in the business rules document

c) Can we revoke a change request to CAISO? Yes, a change request can be withdrawn as long it is still pending i.e. it has not been accepted or denied by the ISO

d) Need an alert if a planned outage will be converted to forced due to a change? No
2) BRQ022: Can the CAISO provide more detail around this requirement? What fields can change the priority dates, and what are the implications for replacement needs? Please refer to OMS-COM-BRL010 in the business rules document.

3) BRQ025: Can the CAISO define the rules or point to a document that would define the specific rules? Please refer to OMS-COM-BRL01 as well as state diagrams (appendix) in the business rules document.

4) BRQ029: When will the CAISO provide screenshots of the new OMS screens? We are planning on making this available before the start of market simulation. When will the CAISO provide a GUI that Market Participants can test? July 21, during market simulation.

5) BRQ079: Can the CAISO provide a list of the equipment that can impact a Generation Outage? The report referred to in this requirement is internal only and is used to identify equipment that for example may no longer be active in the Masterfile but is associated with an outage.

6) BRQ081: Can CAISO further define which External Users will be listed for information. Will specific contact information be listed in this system? This display is only available to internal administrative users of the OMS system.

7) BRQ087: Will the CAISO be publishing this information publically for every Scheduling Coordinator to see? No, this information is internal only.

8) BRQ036: Will the report be able to track the Resource Name (Long Name) and report of that field? Yes, the resource name will be included in this report.

9) BRQ045: After: Will CAISO be creating an API market notification system (MNS) that will provide an MNS signal a market participant when a change has happened to one of its outages? Yes. And if so when will the CAISO publish the details on that API (MNS)? It is already published on www.caiso.com along with the other technical specifications - Outage Status Update Interface.

10) BRQ046: Can the CAISO define the acronym CIM? Common Information Model.

11) BRQ49: Will SC’s have access to their outages when the resources are not part of their portfolio? Yes, SCs will have access to their outages spanning the effective dates for which they had ownership of the resource.

12) BRQ50: How long before the unit effective date will the new SC be able to see the resource in OMS? As soon as the reference data about the new resource ownership is available in OMS. When will the new SC begin to submit outages? The new SC can submit outages on the day when they assume ownership of the equipment. If there are current outages submitted for future dates by an old SC, will those outages be able to transition to the new SC? Yes, the outages will transition to the new owner.

13) BRQ062: SCE would like to know why the CAISO wants OMS to notify market participants when there is an outage for the AVR/PSS? So that the market participant can confirm voltage schedules with its Transmission provider. And is this a functionality that a market participant can turn off? No.

14) BRQ092: Will the OMS be able to display a new warning while the market participant is editing/viewing another outage card? Yes.

15) BRQ093: What actions are required by the old owner? No action is required. The notifications are warnings to provide an awareness of the ownership change.

16) BRQ067: Can the CAISO clarify the architecture around the interaction between the OMS client and OMS system? This is a web based application. Additionally, can the CAISO provide a diagram of the overall architecture of the OMS client and system? No, it is a web based application and the technical specifications describing the APIs are published under CAISO’s website.

17) BRQ068: Can the CAISO provide more information around the functionality where a market participant can watch a specific outage? This is referring to an outage that is displayed on the user’s browser. If the outage gets updated, the user will receive a message to refresh their display.

18) BRQ071: Can the CAISO acronym the term IOOC? Integrated Optimal Outage Coordination.
Generation Specific

1) BRQ002A: Will OMS have the ability to model multiple points for Aggregate (MSG or PSP) resources? Yes.
2) BRQ005: How does the CAISO define an Ambient Nature of Work type? There are two Ambient Natures of Work: Ambient not due to temperature and Ambient due to temperature.
3) BRQ014: Is there any action needed by SCs? No. Will the SC be able to identify intra-hour constraints? Yes, outage data submitted less than 4 days before the outage start will be published immediately.
4) BRQ017: SCE would like to confirm that a pmax derate will not require a separate outage card for AS eligible resources? Correct. However, AS impacting outages may not overlap.
5) BRQ019: Will this functionality be available for SCs? No
6) BRQ022: Will the new OMS allow for one outage card to be used when there are different PMIN availabilities at different times? Yes, but only one Pmin card per outage period, which can have multiple values on it.

General Questions:

1) What happens to the Normal cards? Normal cards are replaced by new Nature of Works (NoW). Training will be provided to define the NoW and how it will be used.
2) Can a new outage be created before existing overlapping outage is approved by CAISO? No.
3) Is the availability tab required for AS? Yes, if the user plans to modify AS due to an outage.
4) What is Max and Min Energy tab? Q for CAISO? Max and Min energy tab is applicable to NGRs.
5) Will the CAISO make SCP Flag visible? Yes.