# \*\* Market Instruments attachment B change is to support Corporate Goal 4a

# B Master File Update Procedures

## B.1 Master File

The Master File (MF) contains data for resources participating in CAISO markets. The data is used by CAISO market systems for bidding, operation, and settlement. The authorized Scheduling Coordinator (SC) can submit a request to update specific operating parameters for existing generator or intertie resources.

Section 4.6.4 of the tariff requires resource information submitted to master file to “be an accurate reflection of the design capabilities of the resource and its constituent equipment when operating at maximum sustainable performance over Minimum Run Time, recognizing that resource performance may degrade over time.”  The design capability refers to how the resource and its equipment was designed to operate under normal conditions, subject to whatever performance degradation the resource has experienced over its lifespan.

Updates can be made by submitting a revised Resource Data Template (RDT) via the Master File User Interface (UI) or the Master File Application Programming Interface (API).  This can be done for Generator resources on the Generating Resource Data Template (GRDT) or Intertie resources on the Intertie Resource Data Template (IRDT). Some data elements in the RDT are updateable via the UI, while others must be updated through some other process. Details are provided in the following tables.

Once the SC has submitted a request, the Master File analyst reviews the request and determines if the updates comply with stated MF business rules. Requests must include new data element values and an explanation for the change. The explanation should include details about how the resource’s design capabilities have changed and how those changes in turn justify changes to the existing data element values. The request must also include appropriate supporting materials (test results, manufacturer recommendations, historical data, resource operating procedures, engineering studies, etc.) with citations to specific page numbers or section numbers to allow the ISO to validate that the new values reflect the design capabilities of the resource. These materials, along with the explanation, should be submitted to the Master File team via CIDI. If the updates pass the initial review by the Master File analyst, the request is presented for further review and approval by representatives of other affected CAISO systems. The changes must be fully approved prior to them being made effective within the Master File database. If there are questions regarding the requested updates, the CAISO will contact the SC to coordinate modifications to the requested updates or request additional information.

Master File change requests require at least five (5) and up to eleven (11) business days, depending on the complexity of the change, from receipt of the request to implementation into the Master File database (except as otherwise prescribed, such as to accommodate a high volume of requests.) The RDT will not be accepted if any of the following occurs:

* The RDT fails a business rule
* The request is not accompanied by a business justification for the change
* Appropriate supporting materials are not submitted via CIDI
* The ISO needs additional time to review the supporting materials
* The ISO requests additional information from the SC
* The SC chooses to recall their RDT request and make a different change

The change request timeline will start over again upon submission of requested items.

## B.2 Generator Resource Data Template

The GRDT is an Excel spreadsheet containing multiple worksheet tabs, which contain static resource characteristics stored in the CAISO database. The worksheet tabs listed in the table below are described in the following sections:

| Spreadsheet Tab | Contents |
| --- | --- |
| Instruction | Contains report details  |
| Definition-GRDT | Link to blank template on CAISO website |
| Code | Blank |
| RESOURCE | Resource data  |
| RAMPRATE | Resource ramp rate |
| HEATRATE | Resource heat rate |
| STARTUP | Resource start-up data |
| FORBIDDEN OPR REGION | Resource forbidden operating region |
| REGULATION | Resource regulation range |
| REG RAMP | Resource regulation ramp rate |
| OP RES RAMP | Resource operating reserve ramp rate |
| MSG\_CONFIG | MSG Configuration detail |
| TRANSITION | Details of transitions between configurations |
| CONFIG\_RAMP | Configuration ramp rate |
| CONFIG\_HEAT | Configuration heat rate |
| CONFIG\_STRT | Configuration start-up detail |
| CONFIG\_REG | Configuration regulation range |
| CONFIG\_RREG | Configuration regulation ramp rate |
| CONFIG\_ROPR | Configuration operating reserve ramp rate |
| GEN\_RES\_AGGR | Child Resources of Aggregate Resource |