Configuration Guide:

Version 5.15

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# Purpose of Document

The purpose of this document is to capture the requirements and design specification for a SaMC Charge Code in one document.

# Introduction

## Background

Congestion Revenue Rights (CRRs) are the congestion hedging instruments the CAISO releases as part of its Locational Marginal Price (LMP) energy market. CRRs may come from allocations by CAISO, given free of charge to select market participants. CRRs may also come from auctions by CAISO for any remaining available CRR capacities after the allocations. CRRs from auctions are bought at a Market Clearing Price. The CRRs can be subdivided and can be traded in the secondary market but no new CRRs will be released by CAISO in the secondary market.

CAISO conducts an annual CRR Allocation once a year for the entire year. The annual CRR Allocation releases Seasonal CRRs for four seasonal periods. The CAISO also conducts monthly CRR Allocation twelve times a year in advance of each month. In addition, CAISO also conducts yearly and monthly CRR Auctions which can release monthly as well as seasonal CRRs. There is also a special type of CRRs - the Long-Term CRRs (LT-CRR) – which have a validity of ten years as opposed to the short–term ones. These LT-CRRs are seasonal in nature and are released via the annual CRR allocation process but not through CRR Auction.

Ownership of a CRR may change hands. However, only one entity can own the CRR in any Trading Day and CAISO will settle with that owner.

The CAISO pays CRR holders for their CRR entitlements only to the extent the CAISO collects sufficient revenue through day-ahead market congestion charges and CRR charges. The CAISO allocates any day-ahead revenue insufficiency to CRR holders on a constraint-by-constraint basis by scaling their CRR entitlement based on the CRR holder’s net modeled (or implied) flow over a particular constraint in the direction of the congestion.

The CRR charge codes, consisting of CC 6798 (CRR Auction Transaction Settlement), CC 6700 (CRR Hourly Settlement), CC 6790 (CRR Balancing Account), CC 6791 (CRRBA Accrued Interest Allocation), CC 6701 (Monthly CRR True-Up), and CC 6706 (Monthly CRRBA Clearing) shall conform to the Tariff language on CRR Settlements.

The Day-Ahead Market Enhancements initiative considers the effect of congestion from Imbalance Reserves, and will be applicable to CAISO BAA CRR holders.

## Description

This Charge Code settles with CRR Holders for all their valid CRR holdings for each Trading Day. A CRR is valid for a Trading Hour and hours in a Trading Day based on its start and end dates and its time of use attribute. Generally speaking, CRRs are financial instruments that give the Holder the right to receive or the obligation to pay a share of the total congestion revenue attributable to a given Trading Hour of the Day-Ahead Market. The settlement of CRRs for each Trading Hour, and in aggregate for the Trading Day shall reflect the constraint specific value of each CRR.

This charge code also computes for the hourly CAISO congestion fund (also known as IFM congestion charge in this document) that eventually goes to the CRR Balancing Account (CRRBA) on a daily basis.

# Charge Code Requirements

## Business Rules

| Bus Req ID | Business Rule |
| --- | --- |
| 1.0 | This charge code applies to CRR Holders, which have the right to receive revenue (refunds) from or the obligation to pay for congestion attributable to a given Trading hour of the Day-Ahead market, based on their CRR holdings. |
| 1.0.1 | This charge code must be computed daily. |
| 1.0.2 | Actual CRR Holders are referenced by Business Associate ID, and CAISO settles with Business Associates (BA) through these IDs. (Fact) |
| 1.0.3 | The formulas adopt the convention that payments made by CAISO to BAs will be negative, while payments received by CAISO from BAs (charges to BAs) will be positive.  |
| 1.1 | The daily settlement amount per Business Associate (CRR Revenue Allocation) is the amount owed or paid to the CRR Holder on the Settlement Statement and Invoice.  |
| 1.1.1 | The hourly settlement values are aggregated to a daily settlement amount. |
| 1.2 | A CRR has a direction from its source to its sink Nodal locations (which could be Pnodes, APNodes, or Pnode/APnode in combination with Intertie), MW amounts or quantities for these sources and sinks, a validity as defined by its start and end dates and its time of use, an external settlement attribute, and a hedge type (Option or Obligation) aka revenue stream type. (Fact) |
| 1.2.1 | Only CRRs valid for the Trading Day will be sent to Settlements by an external system. |
| 1.2.2 | To determine whether a CRR is valid for a Trading Hour within a valid Trading Day, that CRR’s time of use (TOU) attribute will be mapped by Settlements with standing data definition. |
| 1.2.3 | A CRR has a single source and a single sink. (Fact) |
| 1.2.6 | Each CRR quantity (MW amount) for a source/sink is constant for all the hours of a single day in the applicable time of use, and zero otherwise. The hourly MW amount (or zero when the hour is not matching the TOU of the CRR) is used as the basis for the hourly settlement calculations. (Fact)  |
| 1.2.7 | Netting of CRRs:When the Ownership payload is sent for each Trading Day, a netting process is performed whereby CRRs having the same source and sink nodes (financial nodes) for the same time-of-use period and for the same CRR type (allocation or auction/SRS) are netted together with respect to the MWs.This netting process is implemented upstream of Settlements to reduce the number of records to be settled. The settlement of a netted CRR is equivalent to the settlement of all the CRRs considered for the netting. As a result of the netting process the representative CRR displayed on the Settlement statement will have the CRR ID of the oldest CRR with the netted source/sink direction.  (Fact)Note this netting is a different netting that occurs in calculating the net modeled CRR flow. |
| 1.2.8 | A rare event occurs when a disconnected Pnode or a terminated node in the Network Model renders an original CRR having different source and sink node to have the same source and sink node. The CRR having the same source and sink node will then have an entitlement of zero and such CRR will not be published in Settlement statements. (Fact) |
| 2.0 | A CRR can be either an Option or an Obligation. (Fact) |
| 2.1 | A CRR Obligation Holder receives a CRR Payment if congestion is in the same direction as the CRR direction but receives a CRR Charge if congestion is in the opposite (counterflow) direction as the CRR direction. |
| 2.1.1 | A CRR Option Holder receives a CRR Payment if Congestion is in the same direction as the CRR direction but receives no charge if congestion is in the opposite (counterflow) direction as the CRR direction. |
| 2.2 | A CRR is said to be in the same direction as congestion if the Sink Congestion Amount is higher than the Source Congestion Amount. |
| 2.2.1 | A CRR is said to be in the opposite (counterflow) direction as congestion if the Sink Congestion Amount is less than the Source Congestion Amount. |
| 2.3 | The Sink Congestion Amount is the sum of the product of the sink quantity and the MCC at that sink for all sinks of the CRR. This value is subject to adjustment from constraint-specific revenue inadequacy, shared among CRRs linked to the same constraint and contingency case combination. (Fact) |
| 2.3.1 | The Source Congestion Amount is the sum of the product of the source quantity and the MCC at that source for all sources of the CRR. This value is subject to adjustment from constraint-specific revenue inadequacy, shared among CRRs linked to the same constraint and contingency case combination. (Fact) |
| 2.3.2 | Where full funding of CRRs cannot be achieved due to revenue inadequacy, CRR payouts are scaled down on a constraint-by-constraint basis, based on the CRRs with net modeled implied flow over a particular constraint in the direction of congestion. (Fact) |
| 3.0 | The settlement amount per BA will be its total CRR Settlement amounts for all its CRR holdings. |
| 3.2 | The CAISO total net CRR Settlement amount is the sum of the net CRR Settlement amounts for all Business Associates per hour. |
| 3.3 | In conformance with the Tariff, all CRR Settlement Amounts shall either be: (a) fully funded, if there is enough revenue from its related constraint(s); or (b) adjusted when related constraint(s) is revenue inadequate. (Fact) |
|  |  |
| 7.0 | For adjustments to the Charge Code that cannot be accomplished by correction of upstream data inputs/recalculation or operator override Pass Through Bill Charge logic will be applied. |
| 7.1 | Any charge adjustment must also be reflected in the charge type that feeds the CRR Balancing Account in order for CAISO to be revenue neutral. |
| 8.0 | The CAISO will adjust the revenue from CRRs of a CRR Holder where the Scheduling Coordinator representing that CRR Holder has submitted Bids in violation of the Tariff section on Scheduling Sourcing/Sinking in Same Balancing Authority Area, and the resulting Schedule(s) impacts the value of the CRRs in the DAM held by that CRR Holder (or any affiliate of that CRR Holder). (Fact) |
| 9.0 | CRR holdings of CRR Holder Type “MT\_TOR” are rights converted from Transmission Ownership Rights (TOR).  |
| 9.1 | CRR holdings of CRR Holder Type “MT\_TOR” shall be derated hourly based on the ratio of the operational transmission capacity (OTC) and the total transmission capacity (TTC) of the particular flowgate/intertie constraint and flowgate/intertie constraint direction that was associated with the source to sink combination of the original TOR from which the CRR holding was converted from. The source to sink combination of the TOR matches the source to sink combination of the CRR holding.  |
| 10.0 | If the CAISO determines, based on expected system conditions, that using the Day-Ahead Market results will not reasonably meet the needs of the Real-Time, Congestion Revenue Rights will be settled using the hourly average of the 15-minute FMM prices for each hour of the Real-Time Market. (Fact) |
| 10.1 | Expected System Condition is limited to the suspension of Day Ahead Market and the decision is to rely solely upon on Real Time Market results. (Fact) |
| 11.0 | The effect of congestion from Imbalance Reserve to source and sink locations of CRRs will be reflected, and will be applicable to CRR entitlements at those locations. |
| 11.1 | The updated Notional Values will account for MCC differences between source and sink for IRU/IRD upward/downward deployment scenarios. |

##  Predecessor Charge Codes

| Charge Code/ Pre-calc Name |
| --- |
| CC 6011 - Day Ahead Energy, Congestion, Loss Settlement |
| CC 6710 - Day Ahead Congestion - AS Spinning Reserve Import Settlement |
| CC 6720 - Day Ahead Congestion - AS Non-Spinning Reserve Import Settlement |
| CC 6750 - Day Ahead Congestion - AS Regulation Up Import Settlement |
| CC 6760 - Day Ahead Congestion - AS Regulation Down Import Settlement |
| CC 6013 – Convergence Bidding Day Ahead Energy, Congestion, Loss Settlement |

##

## Successor Charge Codes

| Charge Code/ Pre-calc Name |
| --- |
| CC 6790 - CRR Balancing Account |
| CC 6701 – Monthly CRR True-Up |
| CC 4562 – GMC CRR Services Charge |

##  Inputs – External Systems

| Row # | Variable Name | Description |
| --- | --- | --- |
|  | BADailySourceFinancialNodeCRRQty BAA’Qpzt’MH’md | The MW quantity of financial source of CRR z, Hedge Type H’, CRR Holder Type M, valid for the Trading Day d and is held by Business Associate B. This data is mapped per CRR (only for source locations) to be used for charging GMC services.Hedge type H’ = ‘NO’ for Obligation, or ‘YES’ for Option.If attribute M (CRR\_TYPE) = ‘MT\_TOR’, the magnitude of this daily quantity will be further reduced in case there is derate on the flowgate associated with both the source and sink location of the CRR. The reduction is on an hourly basis and is incorporated in the raw input, BAHourlyFinancialNodeCRRQty BAA’Qpzt’MH’dhPlease see raw input later in this table.If the attribute M (CRR\_TYPE) is not ‘MT\_TOR’, there is no deration in converting this daily CRR quantity into hourly CRR quantity.Note that CRR IDs of this input will not correspond to the CRR IDs that have undergone the CRR 1B net modeled flow calculations and adjustments which outputs were associated with notional, offset, clawback, and/or circular schedule amounts. In particular, those Obligation CRRs’ CRR IDs gets transformed to “0” (or however implemented and will be different) CRR IDs as those were grouped altogether per BA ID, transmission constraint, TOU, and contingency case.Only Option CRR IDs potentially can have the CRR IDs not transformed.  |
|  | CRRHourlyTOU mdh | The CRR Time of Use for Trading Hour h of Trading Day d. This has a value of 1 (on-peak) or 0 (off-peak).This data is provided as part of the CAISO Bill Determinants file.  |
|  | PTBChargeAdjustmentBADailyCRRSettlementAmount BJmd | PTB adjustment variable for this Charge Code, amount per Business Associate B, PTB ID J, for Trading Day h. ($)Note: Positive value for this will reflect charge, negative will reflect a payment. |
|  | OTC a’d’’mdh | Operational transmission capacity for intertie constraint ID a’ and direction d’’ for Trading Hour h of Trading Day d. Direction can either be ‘I’ (import) or ‘E’ (export).This data is published in OASIS and will not be published in Settlements file. |
|  | TTC a’d’’mdh | Total transmission capacity for intertie constraint ID a’ and direction d’’ for Trading Hour h of Trading Day d. Direction can either be ‘I’ (import) or ‘E’ (export).This data is published in OASIS and will not be published in Settlements file. |
|  | BAHourlyMTTORCRRDerateFactor BzMa’d’’mdh | Factor used to apply derate to the original CRR MW holdings having CRR\_TYPE (M) of ‘MT\_TOR’. Derate factor is obtained from the ratio= OTC a’d’’mdh / TTC a’d’’mdhThe value of the above ratio is assigned to all CRR ID z having the same source and sink financial node as indicated by the flowgate a’ and direction d’’. The Business Associate ID B and CRR Holder Type M of the CRR ID z is then associated to CRR ID z.If a particular MT TOR CRR derate factor is not created, it is assumed that there is no applicable reduction to the original CRR MW holding or that the derate factor value is 1. |
|  | BADailyCRRNotionalValue BzH’Ma’e’D’’md | Notional value for CRR aggregated daily from hourly values for each CRR, transmission constraint, contingency case, and deployment scenario.The deployment scenario accounts for MCC differences between source and sink for Imbalance Reserve Up/Down deployment scenarios. |
|  | BADailyCRROffsetRevenue BzH’Ma’e’D’’md | Offset revenue for CRR aggregated daily from hourly values for each CRR, transmission constraint,contingency case, and deployment scenario.The deployment scenario accounts for MCC differences between source and sink for Imbalance Reserve Up/Down deployment scenarios. |
|  | BADailyCRRClawbackRevenue BzH’Ma’e’D’’md | Clawback for CRR aggregated daily from hourly values for each CRR, transmission constraint, contingency case, and deployment scenario. |
|  | BADailyCRRCircularScheduleRevenue BzH’Ma’e’D’’md | Circular schedule for CRR aggregated daily from hourly values for each CRR, transmission constraint,contingency case, and deployment scenario. |

## Inputs - Predecessor Charge Codes or Pre-calculations

| Row # | Variable Name | Predecessor Charge Code/ Pre-calc Configuration |
| --- | --- | --- |
|  | None |  |
|  |  |  |
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|  |  |  |

## CAISO Formula

### BADailyCRRTotalSettlementAmount Bmd =

BADailyCRRTotalSettlementValue Bmd

+ BADailyPTBChargeAdjustmentCRRSettlementAmount Bmd

### BADailyCRRTotalSettlementValue Bmd =

*Sum over (z)* BADailyCRRSettlementValue Bzmd

### BADailyPTBChargeAdjustmentCRRSettlementAmount Bmd = Sum over (J) PTBChargeAdjustmentBADailyCRRSettlementAmount BJmd

### CAISODailyCRRSettlementAmount md =

Sum over (B) BADailyCRRTotalSettlementAmount Bmd

### BADailyCRRDeficitAmount BzH’Ma’e’md =

Sum (D’’) {

If CRR Type (‘M’) = “MT\_TOR” (indicates a Merchant TOR CRR Type)

Then

 0

Else

Min(0, BADailyCRROffsetRevenue BzH’Ma’e’D’’md)

 End If }

Implementation Note: This will not be BD reportable, in order to reduce number of records to be generated or published.

### BADailyCRRSettlementValue *Bzmd =*

(-1)\*[BADailyCRRObligationSettlementValue Bzmd +

BADailyCRROptionSettlementValue Bzmd ]

### BADailyCRRInterimValue *BzH’Mmd =*

Sum over (a’, e’) BADailyCRRConstraintSettlementValue BzH’Ma’e’md

Implementation Note: This BD is not reportable.

### BADailyCRRObligationSettlementValue *Bzmd =*

Sum over (H’, M) BADailyCRRInterimValue BzH’Mmd

Where Hedge Type (H’) = ‘NO’

Note: Hedge Type NO indicates Hedge Type is an Obligation.

### BADailyCRROptionSettlementValue *Bzmd =*

Sum over (H’, M) [Max(0, BADailyCRRInterimValue BzH’Mmd)]

Where Hedge Type (H’) = ‘YES’

Note: Hedge Type YES indicates Hedge Type is an Option.

### BADailyCRRConstraintSettlementValue BzH’Ma’e’md *=*

{BADailyCRRNotionalValueAmount BzH’Ma’e’md + BADailyCRRClawbackRevenueAmount BzH’Ma’e’md + BADailyCRRCircularScheduleRevenueAmount BzH’Ma’e’md + BADailyCRRDeficitAmount BzH’Ma’e’md }

### BADailyCRRSurplusAmount BzH’Ma’e’md =

Sum (D’’) {Max(0, BADailyCRROffsetRevenue BzH’Ma’e’D’’md)}

Implementation Note: This will not be BD reportable, in order to reduce number of records to be generated or published.

### CAISOTotalDailyCRRSurplusAmount md =

Sum over (B, z, H’, M, a’, e’)BADailyCRRSurplusAmount BzH’Ma’e’md

### BAHourlySourceCRRTotalsQuantity Bmdh= BAHourlySourceCRR\_NONMT\_TORQuantity Bmdh +BAHourlySourceCRR\_MT\_TORQuantity Bmdh

BAHourlySourceCRR\_NONMT\_TORQuantity Bmdh =

For attribute M (CRR\_TYPE) <> ‘MT\_TOR’ :

IF Time of Use attribute (t’) of BADailySourceFinancialNodeCRRQty BAA’Qpzt’MH’md = ‘ON’

THEN

BAHourlySourceCRR*\_*NONMT\_TORQuantityBmdh =

*Sum over (z, A, A’, Q, p, t’, M, H’)*

CRRHourlyTOU dh \* BADailySourceFinancialNodeCRRQty BAA’Qpzt’MH’md

 ELSE

BAHourlySourceCRR*\_*NONMT\_TORQuantity Bmdh =

*Sum over (z, A, A’, Q, p, t’, M, H’)*

(1- CRRHourlyTOU mdh ) \* BADailySourceFinancialNodeCRRQty BAA’Qpzt’MH’md)

END IF

BAHourlySourceCRR\_MT\_TORQuantity Bmdh

For attribute M (CRR\_TYPE) = ‘MT\_TOR’ :

IF Time of Use attribute (t’) of BADailySourceFinancialNodeCRRQty BAA’Qpzt’MH’md = ‘ON’

THEN

BAHourlySourceCRR\_MT\_TORQuantity Bmdh =

*Sum over (z, A, A’, Q, p, t’, M, H’, a’, d’’)*

{ (CRRHourlyTOU dh \* BADailySourceFinancialNodeCRRQty BAA’Qpzt’MH’md \*

BAHourlyMTTORCRRDerateFactor BzMa’d’’mdh)}

 ELSE

BAHourlySourceCRR\_MT\_TORQuantity Bmdh =

*Sum over (z, A, A’, Q, p, t’, M, H’, a’,d’’)*

{ ( (1- CRRHourlyTOU dh ) \* BADailySourceFinancialNodeCRRQty BAA’Qpzt’MH’md \* BAHourlyMTTORCRRDerateFactor BzMa’d’’mdh)}

END IF

BADailySourceCRRTotalsQuantity Bmd=

BAHourlySourceCRRTotalsQuantity Bmdh



* + 1. BADailyCRRNotionalValueAmount BzH’Ma’e’md =

Sum (D’’) {BADailyCRRNotionalValue BzH’Ma’e’D’’md }

* + 1. BADailyCRRClawbackRevenueAmount BzH’Ma’e’md =

Sum (D’’) {BADailyCRRClawbackRevenue BzH’Ma’e’D’’md }

* + 1. BADailyCRRCircularScheduleRevenueAmount BzH’Ma’e’md =

Sum (D’’) {BADailyCRRCircularScheduleRevenue BzH’Ma’e’D’’md }

## Outputs

.

| Output Req ID | Name | Description |
| --- | --- | --- |
|  | In addition to any outputs listed below, all inputs shall be included as outputs. |  |
|  | BADailyCRRTotalSettlementAmount Bmd | The net settlement amount paid to or owed by Business Associate *B* for all its CRR holding (either Obligation or Option) for Trading Day d. This is the actual settlement amount for this charge code.This is inclusive of any PTB adjustment for this charge code for each BA ID. |
|  | BADailyCRRTotalSettlementValue Bmd | The net settlement amount paid to or owed by Business Associate *B* for all its CRR holding (either Obligation or Option) for Trading Day d.  |
|  | CAISODailyCRRSettlementAmount md | Total system value for CRR settlements for the Trading Day. |
|  | CAISOTotalDailyCRRSurplusAmount md | Total system value for CRR settlements for the Trading Day. |
|  | BADailyCRRDeficitAmount BzH’Ma’e’md | Intermediate calculation, not reportable. |
|  | BADailyCRRSurplusAmount BzH’Ma’e’md | Intermediate calculation, not reportable. |
|  | BADailyCRRInterimValue BzH’Mmd | Non-reportable interim calculation.This is not BD reportable. |
|  | BADailyCRRObligationSettlementValue Bzmd | Settlement value per CRR ID where Hedge Type is Obligation. |
|  | BADailyCRROptionSettlementValue Bzmd | Settlement value per CRR ID where Hedge Type is Option. |
|  | BADailyCRRConstraintSettlementValue BzH’Ma’e’md | Settlement value per CRR ID per Transmission Constraint and Contingency Case combination |
|  | BADailyCRRSettlementValue Bzmd | Daily settlement value per CRR |
|  |  |  |
|  |  |  |
|  | BAHourlySourceCRRTotalsQuantity Bmdh | Total hourly net MWs of all CRRs per BA, basis for settling GMC. |
|  | BAHourlySourceCRR\_NONMT\_TORQuantity Bmdh | Total hourly net MWs of all CRRs per BA, Non MT TOR |
|  | BAHourlySourceCRR\_MT\_TORQuantity Bmdh | Total hourly net MWs of all CRRs per BA, MT TOR |
|  | BADailySourceCRRTotalsQuantity Bmd | Daily total MWs of all CRRs per BA, basis for settling GMC. |
|  | BADailyPTBChargeAdjustmentCRRSettlementAmount Bmd | PTB charge adjustment.  |
|  | BADailyCRRNotionalValueAmount BzH’Ma’e’md | Notional value for CRR aggregated daily from hourly values for each CRR, transmission constraint and contingency case.  |
|  | BADailyCRRClawbackRevenueAmount BzH’Ma’e’md | Clawback for CRR aggregated daily from hourly values for each CRR, transmission constraint and contingency case. |
|  | BADailyCRRCircularScheduleRevenueAmount BzH’Ma’e’md | Circular schedule for CRR aggregated daily from hourly values for each CRR, transmission constraint and contingency case. |

# Charge Code Effective Dates

| Charge Code/Pre-calc Name | Document Version | Effective Start Date | Effective End Date | Version Update Type |
| --- | --- | --- | --- | --- |
| CC 6700 – CRR Hourly Settlement | 5.0 | 04/01/09 | 03/31/09 | Documentation Edits Only |
| CC 6700 – CRR Hourly Settlement | 5.1 | 04/01/09 | 03/31/09 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.2 | 04/01/09 | 07/31/09 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.3 | 08/01/09 | 10/31/09 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.4 | 11/01/09 | 05/31/10 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.5 | 06/01/10 | 01/31/11 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.6 | 02/01/11 | 06/30/11 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.7 | 07/01/11 | 1/31/13 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.8 | 2/1/13 | 3/31/13 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.9 | 4/1/13 | 9/30/14 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.10 | 10/1/14 | 3/31/17 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.11 | 4/1/17 | 12/31/18 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.12 | 1/1/19 | 11/30/2019 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.13 | 12/1/19 | 4/30/2026 | Configuration Impacted |
| CC 6700 – CRR Hourly Settlement | 5.15 | 5/1/26 | Open | Configuration Impacted |