Settlements & Billing

Configuration Guide: Daily Rounding Adjustment Allocation

**CC 4989**

 Version 5.13

Table of Contents

1. Purpose of Document 3

2. Introduction 3

2.1 Background 3

2.2 Description 3

3. Charge Code Requirements 3

3.1 Business Rules 3

3.2 Predecessor Charge Codes 4

3.3 Successor Charge Codes 7

3.4 Inputs – External Systems 7

3.5 Inputs - Predecessor Charge Codes or Pre-calculations 8

3.6 CAISO Formula 14

3.7 Outputs 16

4. Charge Code Effective Date 16

#  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

The Tariff authorizes the CAISO to levy additional charges or make additional payments to Market Participants to accommodate special adjustments with regards to:

* Amounts required to reach an accounting trial balance of zero in the course of the Settlement process in the event that the charges calculated as due from CAISO Debtors are not equal to the payments calculated as due to the CAISO Creditors for the same Trading Day.
* Awards payable by or to the CAISO pursuant to good faith negotiations or CAISO ADR Procedures that the CAISO is not able to allocate to or to collect from a Market Participant or Market Participants in accordance with CAISO Tariff Section 13.5.3.

These charges or payments will be allocated to Scheduling Coordinators pro rata to their Measured Demand in MWh of Energy.

## Description

This Charge Code is used to calculate amounts associated with the first bulleted Tariff provision indicated above. That is, amounts that are required to reach an accounting trial balance of zero in the course of the Settlement process for Charge Codes that are calculated daily.  Imbalances result when the charges calculated owing from CAISO Debtors is not equal to the payments calculated to the CAISO Creditors for the same Trading Day; that is, in cases where there is not a zero balance of cash inflows and outflows.

 The Daily Rounding Settlement Amount is calculated by summing those imbalance amounts for Charge Groups which contain daily Charge Codes that achieve revenue neutrality for the CAISO. To the extent the net imbalance is negative, and the CAISO under-collected as a result of rounding error, the CAISO will collect these amounts from Scheduling Coordinators pro rata based on their share of the total CAISO Measured Demand. To the extent the net imbalance for the month is positive and the CAISO over-collected as a result of rounding error, the CAISO will allocate the revenues to Scheduling Coordinators on the same basis.

# Charge Code Requirements

## Business Rules

| Bus Req ID | Business Rule |
| --- | --- |
| 1.0 | This charge is a daily charge settled daily for each Trading Day.  |
| 2.0 | Amounts required to reach an accounting trial balance of zero in the course of the Settlement process in the event that the charges calculated as due from CAISO Debtors are not equal to the payments calculated as due to the CAISO Creditors for the same Trading Day.  |
| 2.1 | This charge sums the imbalance amounts for each relevant Charge Group, reverses the sign, and allocates the sum to Scheduling Coordinators based on pro rata of their Measured Demand in MWh of Energy.  |
| 2.2 | The Daily Rounding Settlement Amount is calculated daily by summing those imbalance amounts for Charge Groups that achieve revenue neutrality for the CAISO.  |
| 2.2.1 | Charge Groups are specified in Attachment B of the BPM. |
| 2.3 | This charge does not apply to Charge Groups that do not achieve revenue neutrality or achieve revenue neutrality within the Charge Code such as Grid Management, FERC Fee, PIRP Forecast Fee, Emissions, and Inter-SC Trades.  |
| 3.0 | If the net rounding amount for Charge Groups included in the Daily Rounding Charge Code is a negative value, a charge (positive amount) is allocated to Measured Demand. |
| 4.0 | If the net rounding amount for Charge Groups included in the Daily Rounding Charge Code is a positive value, a payment (negative amount) is allocated to Measured Demand. |

## Predecessor Charge Codes

| Charge Code/ Pre-calc Name |
| --- |
| Measured Demand over Control Area Pre-calculation |
| **Charge Group Supplemental Reactive Energy**: contains CC 1303 Supplemental Reactive Energy Allocation and CC 3303 Supplemental Reactive Energy Settlement |
| **Charge Group Black Start Energy:** contains CC 1001 Black Start Energy Payment and CC 1353 Black Start Energy Allocation |
| **Charge Group Upward Ancillary Services:** contains CC 6090 Ancillary Service Upward Neutrality Allocation, CC 6100 Day Ahead Spinning Reserve Capacity Settlement, CC 6124 No Pay Spinning Reserve Settlement, CC 6150 HASP Spinning Reserve Capacity Settlement, CC 6170 Real Time Spinning Reserve Capacity Settlement, CC 6194 Spinning Reserve Obligation Settlement, CC 6196 Spinning Reserve Neutrality Allocation, CC 6200 Day Ahead Non-Spinning Reserve Capacity Settlement, CC 6224 No Pay Non-Spinning Reserve Settlement, CC 6250 HASP Non-Spinning Reserve Capacity Settlement, CC 6270 Real Time Non-Spinning Reserve Capacity Settlement, CC 6294 Non-Spinning Reserve Obligation Settlement, CC 6296 Non-Spinning Reserve Neutrality Allocation, CC 6500 Day Ahead Regulation Up Capacity Settlement, CC 6524 Non Compliance Regulation Up Settlement, CC 6570 Real Time Regulation Up Capacity Settlement, CC 6594 Regulation Up Obligation Settlement, and CC 6596 Regulation Up Neutrality Allocation |
| **Charge Group Imbalance Energy**: contains CC 6460 FMM Instructed Imbalance Energy Settlement, CC 6470 Real Time Instructed Imbalance Energy Settlement, CC 6474 Real Time Unaccounted for Energy Settlement, CC 6475 Real Time Uninstructed Imbalance Energy Settlement, CC 6477 Real Time Imbalance Energy Offset, CC 6473 Convergence Bidding Real Time Energy, Congestion and Loss Settlement, CC 491 Greenhouse Gas Emission Cost Revenue, CC 64600 FMM Instructed Imbalance Energy EIM Settlement, CC 64700 Real Time Instructed Imbalance Energy EIM Settlement, CC 64740 Real Time Unaccounted for Energy EIM Settlement, CC 64750 Real Time Uninstructed Imbalance Energy EIM Settlement, CC 64770 Real Time Imbalance Energy Offset EIM, CC 6478 Real Time System Imbalance Energy Offset, CC 6985 Real Time Marginal Losses Offset, CC 69850 Real Time Marginal Losses Offset EIM |
| **Charge Group Excess Cost** : CC 6480 Excess Cost Neutrality Allocation, CC 6482 Real Time Excess Cost for Instructed Energy Settlement, CC 6486 Real Time Excess Cost for Instructed Energy Allocation, CC 6485 Exceptional Dispatch Hold SOC Uplift Settlement |
| **Charge Group Exceptional Dispatch:** contains CC 6488 Exceptional Dispatch Uplift Settlement, and CC 6489 Exceptional Dispatch Uplift Allocation |
| **Charge Group Bid Cost Recovery:** contains CC 6630 IFM Bid Cost Recovery Settlement, CC 6620 RUC and RTM Bid Cost Recovery Settlement, CC 6636 IFM Bid Cost Recovery Tier 1 Allocation, CC 6637 IFM Bid Cost Recovery Tier 2 Allocation, CC 6678 Real Time Bid Cost Recovery Allocation, CC 6800 Day Ahead Residual Unit Commitment (RUC) Availability Settlement, CC 6806 Day Ahead Residual Unit Commitment (RUC) Tier 1 Allocation, CC 6807 Day Ahead Residual Unit Commitment (RUC) Tier 2 Allocation, CC 6824 No Pay Residual Unit Commitment (RUC) Settlement, CC 66200 RTM Bid Cost Recovery EIM Settlement, CC 66780 Real Time Bid Cost Recovery EIM Allocation |
| **Charge Group Ancillary Services Regulation Down:** contains CC 6600 Day Ahead Regulation Down Capacity Settlement, CC 6624 Non Compliance Regulation Down Settlement, CC 6670 Real Time Regulation Down Capacity Settlement, CC 6694 Regulation Down Obligation Settlement, and CC 6696 Regulation Down Neutrality Allocation |
| **Charge Group Real Time Congestion:** contains CC 6715 Real Time Congestion - AS Spinning Reserve Import Settlement, CC 6725 Real Time Congestion - AS Non-Spinning Reserve Import Settlement, CC 6755 Real Time Congestion - AS Regulation Up Import Settlement, CC 6765 Real Time Congestion - AS Regulation Down Export Settlement, CC 6774 Real Time Congestion Offset, CC 6788 RTM Congestion Credit Settlement, CC 67740 Real Time Congestion Offset EIM |
| **Charge Group DA Energy and Marginal Loss:** contains CC 6011 Day Ahead Energy, Congestion, Loss Settlement, CC 6947 IFM Marginal Losses Surplus Credit Allocations and CC 6013 Convergence Bidding DA Energy, Congestion, Loss Settlement |
| **Charge Group Transmission Loss Obligation:** contains CC 6976 Transmission Loss Obligation Charge for Real Time Schedules Under Control Agreements, and CC 6977 Allocation of Transmission Loss Obligation Charge for Real Time Schedules Under Control Agreements |
| **Charge Group Inter-SC Trades Settlement:** contains CC 6301 Day Ahead Inter-SC Trades Settlement, and CC 6371 FMM Inter-SC Trades Settlement |
| **Charge Group CRR Daily Settlement:** contains 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, and CC 6700 CRR Hourly Settlement |
| **Charge Group EP Penalty Adjustment**: contains CC 1593 EP Penalty Charge/Allocation for Under or Over Reported Load/Generation |
| **Charge Group UDP**: contains CC 4470 Negative UD Penalty (when FERC approves), CC 4480 Positive UD Penalty (when FERC approves) |
| **Charge Group Low Voltage Access Charge (LVAC):** contains CC 373 Low Voltage Access Charge Settlement and CC 375 Low Voltage Access Revenue Payment |
| **Charge Group Regulation Mileage**: contains CC 7251 Regulation Up Mileage Settlement, CC 7056 Regulation Up Mileage Cost Allocation, CC 7261 Regulation Down Mileage Settlement, and CC 7066 Regulation Down Mileage Cost Allocation |
| **Charge Group Neutrality:** contains CC 8989 Daily Neutrality Adjustment |
| **Charge Group Over or Under Scheduling:** contains CC 6045 Over and Under Scheduling EIM Settlement, CC 6046 Over and Under Scheduling EIM Allocation |
| **Charge Group Daily Flex Ramp Product**: contains CC 7070 Flexible Ramp Forecast Movement Settlement, CC 7076 Flexible Ramp Forecast Movement Allocation, CC 7071 Daily Flexible Ramp Up Uncertainty Award Settlement, CC 7081 Daily Flexible Ramp Down Uncertainty Award Settlement, CC 7077 Daily Flexible Ramp Up Uncertainty Award Allocation, and CC 7087 Daily Flexible Ramp Down Uncertainty Award Allocation |
| **Charge Group Reliability Must Run Capacity:** contains CC 7020 Daily RMR Capacity Payment and CC 7026 Daily RMR Capacity Cost Allocation |
| **Charge Group Deviation Settlement:** containsCC 6456 Intertie Deviation Settlement and CC 6458 Intertie Deviation Settlement Allocation |
| **Charge Group HASP Uplift:** contains CC 6483 Hour-Ahead Scheduling Process Uplift Settlement and CC 6484 Hour-Ahead Scheduling Process Uplift Settlement Allocation |
| **Charge Group Resource Sufficiency Evaluation:** contains CC 8080 Resource Sufficiency Evaluation Surcharge Settlement and CC 8088 Resource Sufficiency Evaluation Surcharge Allocation |
| **Charge Group Imbalance Reserve:** contains CC 8081 Day Ahead Imbalance Reserve Down Settlement, CC 8086 Day Ahead Imbalance Reserve Down Tier 1 Allocation, CC 8087 Day Ahead Imbalance Reserve Down Tier 2 Allocation, CC 8071 Day Ahead Imbalance Reserve Up Settlement, CC 8076 Day Ahead Imbalance Reserve Up Tier 1 Allocation, CC 8077 Day Ahead Imbalance Reserve Up Tier 2 Allocation |

## Successor Charge Codes

| Charge Code/ Pre-calc Name |
| --- |
| None |

## Inputs – External Systems

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

## Inputs - Predecessor Charge Codes or Pre-calculations

| Row # | Variable Name | Predecessor Charge Code/ Pre-calc Configuration |
| --- | --- | --- |
| 1 | BA10MMeasuredDemandMinusRightsControlAreaQty\_Ex1 Bmdhi | Measured Demand over Control Area Pre-calculation |
| 2 | CAISOTotal10MMeasuredDemandMinusRightsControlAreaQty\_Ex1 mdhi | Measured Demand over Control Area Pre-calculation |
| 3 | SupplementalReactiveEnergyChargeGroupTotal md  | CC 1303 Supplemental Reactive Energy Allocation & CC 3303 Supplemental Reactive Energy Settlement  |
| 4 | BlackStartEnergyChargeGroupTotal md | CC 1001 Black Start Energy Payment & CC 1353 Black Start Energy Allocation  |
| 5 | UpwardAncillaryServicesChargeGroupTotal md | CC 6090 Ancillary Service Upward Neutrality Allocation, CC 6100 Day Ahead Spinning Reserve Capacity Settlement, CC 6124 No Pay Spinning Reserve Settlement, CC 6150 HASP Spinning Reserve Capacity Settlement, CC 6170 Real Time Spinning Reserve Capacity Settlement, CC 6194 Spinning Reserve Obligation Settlement, CC 6196 Spinning Reserve Neutrality Allocation, CC 6200 Day Ahead Non-Spinning Reserve Capacity Settlement, CC 6224 No Pay Non-Spinning Reserve Settlement, CC 6250 HASP Non-Spinning Reserve Capacity Settlement, CC 6270 Real Time Non-Spinning Reserve Capacity Settlement, CC 6294 Non-Spinning Reserve Obligation Settlement, CC 6296 Non-Spinning Reserve Neutrality Allocation, CC 6500 Day Ahead Regulation Up Capacity Settlement, CC 6524 Non Compliance Regulation Up Settlement, CC 6570 Real Time Regulation Up Capacity Settlement, CC 6594 Regulation Up Obligation Settlement & CC 6596 Regulation Up Neutrality Allocation |
| 6 | ImbalanceEnergyChargeGroupTotal md  | CC 6460 FMMInstructed Imbalance Energy Settlement, CC 6470 Real Time Instructed Imbalance Energy Settlement, CC 6474 Real Time Unaccounted for Energy Settlement, CC 6475 Real Time Uninstructed Imbalance Energy Settlement CC 6477 Real Time Imbalance Energy Offset, CC 6473 Convergence Bidding Real Time Energy, Congestion and Loss Settlement, CC 491 Greenhouse Gas Emission Cost Revenue, CC 64600 FMM Instructed Imbalance Energy EIM Settlement, CC 64700 Real Time Instructed Imbalance Energy EIM Settlement, CC 64740 Real Time Unaccounted for Energy EIM Settlement, CC 64750 Real Time Uninstructed Imbalance Energy EIM Settlement, CC 64770 Real Time Imbalance Energy Offset EIM, CC 6478 Real Time System Imbalance Energy Offset, CC 6985 Real Time Marginal Losses Offset, CC 69850 Real Time Marginal Losses Offset EIM |
| 7 | ExcessCostChargeGroupTotal md | CC 6480 Excess Cost Neutrality Allocation, CC 6482 Real Time Excess Cost for Instructed Energy Settlement & CC 6486 Real Time Excess Cost for Instructed Energy Allocation, CC 6485 Exceptional Dispatch Hold SOC Uplift Settlement |
| 8 | ExceptionalDispatchChargeGroupTotal md  | CC 6488 Exceptional Dispatch Uplift Settlement & CC 6489 Exceptional Dispatch Uplift Allocation  |
| 9 | BidCostRecoveryChargeGroupTotal md  | CC 6630 IFM Bid Cost Recovery Settlement, CC 6620 RUC and RTM Bid Cost Recovery Settlement, CC 6636 IFM Bid Cost Recovery Tier 1 Allocation, CC 6637 IFM Bid Cost Recovery Tier 2 Allocation, CC 6678 Real Time Bid Cost Recovery Allocation, CC 6800 Day Ahead Residual Unit Commitment (RUC) Availability Settlement, CC 6806 Day Ahead Residual Unit Commitment (RUC) Tier 1 Allocation, CC 6807 Day Ahead Residual Unit Commitment (RUC) Tier 2 Allocation & CC 6824 No Pay Residual Unit Commitment (RUC) Settlement, CC 66200 RTM Bid Cost Recovery EIM Settlement, CC 66780 Real Time Bid Cost Recovery EIM Allocation |
| 10 | AncillaryServicesRegulationDownChargeGroupTotal md  | CC 6600 Day Ahead Regulation Down Capacity Settlement, CC 6624 Non Compliance Regulation Down Settlement, CC 6670 Real Time Regulation Down Capacity Settlement, CC 6694 Regulation Down Obligation Settlement & CC 6696 Regulation Down Neutrality Allocation |
| 11 | RealTimeCongestionChargeGroupTotal md  | CC 6715 Real Time Congestion - AS Spinning Reserve Import Settlement, CC 6725 Real Time Congestion - AS Non-Spinning Reserve Import Settlement, CC 6755 Real Time Congestion - AS Regulation Up Import Settlement, CC 6765 Real Time Congestion - AS Regulation Down Export Settlement, CC 6774 Real Time Congestion Offset, CC 6788 RTM Congestion Credit Settlement, CC 67740 Real Time Congestion Offset EIM |
| 12 | DAEnergyMarginalLossChargeGroupTotal md  | CC 6011 Day Ahead Energy, Congestion, Loss Settlement, CC 6947 IFM Marginal Losses Surplus Credit Allocations and CC 6013 Convergence Bidding DA Energy, Congestion, Loss Settlement |
| 13 | TransmissionLossObligationChargeGroupTotal md  | CC 6976 Transmission Loss Obligation Charge for Real Time Schedules Under Control Agreements & CC 6977 Allocation of Transmission Loss Obligation Charge for Real Time Schedules Under Control AgreementsGL |
| 14 | InterSCTradesChargeGroupTotalmd  | CC 6301 Day Ahead Inter-SC Trades Settlement & CC 6371 FMM Inter-SC Trades Settlement |
| 15 | EPPenaltyAdjustmentChargeGroupTotal md | CC 1593 - EP Penalty Charge/Allocation for Under or Over Reported Load/Generation |
| 16 | LVACChargeGroupTotal md | CC 373 Low Voltage Access Charge Settlement & CC 375 Low Voltage Access Revenue Payment |
| 17 | FlexRampProductDailyChargeGroupTotal md | CC 7070 Flexible Ramp Forecast Movement Settlement, CC 7076 Flexible Ramp Forecast Movement Allocation, CC 7071 Daily Flexible Ramp Up Uncertainty Capacity Settlement, CC 7081 Daily Flexible Ramp Down Uncertainty Capacity Settlement, CC 7077 Daily Flexible Ramp Up Uncertainty Award Allocation, and CC 7087 Daily Flexible Ramp Down Uncertainty Award Allocation |
| 18 | RegulationMileageDailyChargeGroupTotal md | CC 7251 Regulation Up Mileage Settlement, CC 7056 Regulation Up Mileage Cost Allocation, CC 7261 Regulation Down Mileage Settlement, and CC 7066 Regulation Down Mileage Cost Allocation |
| 19 | NeutralityDailyChargeGroupTotal md | CC 8989 – Daily Neutrality Adjustment |
| 20 | OverandUnderSchedulingDailyChargeGroupTotal md | CC 6045 Over and Under Scheduling EIM Settlement, and CC 6046 Over and Under Scheduling EIM Allocation |
| 21 | RMRCPMDailyChargeGroupTotal md | CC 7020 Daily RMR Capacity Payment and CC 7026 Daily RMR Capacity Cost Allocation |
| 22 | IntertieDeviationSettlementDailyChargeGroupTotal md | CC 6456 Intertie Deviation Settlement and CC 6458 Intertie Deviation Settlement Allocation |
| 23 | HASPUpliftDailyChargeGroupTotal md | CC 6483 Hour-Ahead Scheduling Process Uplift Settlement and CC 6484 Hour-Ahead Scheduling Process Uplift Settlement Allocation |
| 24 | RSEDailyChargeGroupTotal md | CC 8080 Resource Sufficiency Evaluation Surcharge Settlement and CC 8088 Resource Sufficiency Evaluation Surcharge Allocation |
| 25 | IRDailyChargeGroupTotal md | CC 8081 Day Ahead Imbalance Reserve Down Settlement, CC 8086 Day Ahead Imbalance Reserve Down Tier 1 Allocation, CC 8087 Day Ahead Imbalance Reserve Down Tier 2 Allocation, CC 8071 Day Ahead Imbalance Reserve Up Settlement, CC 8076 Day Ahead Imbalance Reserve Up Tier 1 Allocation, CC 8077 Day Ahead Imbalance Reserve Up Tier 2 Allocation |

## CAISO Formula

Daily Rounding Allocation by Business Associate

DailyRoundingAllocationAmount Bmd = BusinessAssociateDailyRoundingAllocationQuantity Bmd \* DailyRoundingPrice md

#### Where

BusinessAssociateDailyRoundingAllocationQuantity Bmd = BA10MMeasuredDemandMinusRightsControlAreaQty\_Ex1 Bmdhi

#### And

DailyRoundingPrice md = DailyRoundingAmount md / DailyRoundingQuantity md

#### Where

DailyRoundingQuantity md =

(CAISOTotal10MMeasuredDemandMinusRightsControlAreaQty\_Ex1 mdhi)

#### And Where

##### DailyRoundingAmount md =

SupplementalReactiveEnergyChargeGroupTotal md +

BlackStartEnergyChargeGroupTotal md +

UpwardAncillaryServicesChargeGroupTotal md +

ImbalanceEnergyChargeGroupTotal md +

ExcessCostChargeGroupTotal md +

ExceptionalDispatchChargeGroupTotal md +

BidCostRecoveryChargeGroupTotal md +

AncillaryServicesRegulationDownChargeGroupTotal md +

RealTimeCongestionChargeGroupTotal md +

DAEnergyMarginalLossChargeGroupTotal md +

TransmissionLossObligationChargeGroupTotal md +

InterSCTradesChargeGroupTotal md +

EPPenaltyAdjustmentChargeGroupTotal md +

LVACChargeGroupTotal md +

FlexRampProductDailyChargeGroupTotal md +

RegulationMileageDailyChargeGroupTotal md +

NeutralityDailyChargeGroupTotal md  +

OverandUnderSchedulingDailyChargeGroupTotal md + RMRCPMDailyChargeGroupTotal md + IntertieDeviationSettlementDailyChargeGroupTotal md + HASPUpliftDailyChargeGroupTotal md +RSEDailyChargeGroupTotal md + IRDailyChargeGroupTotal md

## Outputs

|  |  |  |
| --- | --- | --- |
| Output Req ID | Name | Description |
|  | In addition to any outputs listed below, all inputs shall be included as outputs. |  |
| 1 | DailyRoundingAllocationAmount Bmd | Daily Rounding Allocation Amount. |
| 2 | BusinessAssociateDailyRoundingAllocationQuantity Bmd | Daily Rounding Allocation quantity. |
| 3 | DailyRoundingPrice md | Daily Rounding Price calculated based on Daily Rounding Amount and Measured Demand  |
| 4 | DailyRoundingAmount md  | The Daily Rounding amount |
| 5 | DailyRoundingQuantity md | The Daily Rounding quantity  |

# Charge Code Effective Date

| Charge Code/Pre-calc Name | Document Version | Effective Start Date | Effective End Date | Version Update Type |
| --- | --- | --- | --- | --- |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.0 | 04/01/09 | 1/31/10 | Documentation Edits Only |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.1 | 2/1/10 | 1/31/11 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.2 | 2/1/11 | 12/12/11 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.3 | 12/13/11 | 10/31/12 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.4 | 11/1/12 |  4/30/13 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.5 | 5/1/13 | 3/31/09 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.6 | 4/1/09 | 4/30/14 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.7 | 5/1/14 | 9/30/14 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.8 | 10/1/14 | 10/31/16 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.9 | 11/1/16 | 12/31/19 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.10 | 1/1/20 | 1/31/21 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.11 | 2/1/21 | 5/31/21 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.12 | 6/1/21 | 10/31/23 | Configuration Impacted |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.12a | 11/1/23 | 4/30/26 | Documentation Only |
| CC 4989 – Daily Rounding Adjustment Allocation | 5.13 | 5/1/26 | Open | Configuration Impacted |