



MAPP POLICIES AND PROCEDURES FOR TRANSMISSION OPERATIONS

June 20, 2011

Version 2.01

Document Change History

Issue	Reason for Issue	Date
2.0	References to Schedule F removed for the sunset of Schedule F effective April 1, 2011.	April 1, 2011
2.01	Update to 3.10.2 Release of Short-term AFC/ATC/ASTFC	June 20, 2011

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1 Introduction

This document contains the policies, procedures, and business practices used by the MAPP Transaction Coordinator to administer the MAPP OASIS node used by the MAPP TSPs to administer their Open Access Transmission Tariffs (OATTs). These business practices are intended to supplement the Second Restated MAPP Agreement, FERC Orders 888, 889, 889A, 890, and 890-A, relevant Seams Operating Agreements between MAPP Transmission Service Providers (TSP) and third parties¹ and relevant actions by MAPP Committees. To the extent that there is a conflict between the prior documents and these practices, the prior documents control.

This document will be updated periodically based on decisions by the MAPP Tariff Services Committee (TSC) or future FERC rulings. Each time a new version of this document is released; it is distributed to the membership of the MAPP Tariff Services Committee and posted on the MAPP OASIS and the MAPP website.

If you have questions about this document please contact the MAPP Transaction Coordinator at:

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1.1 Background

MAPP is an association of electric utilities in the Upper Midwest and serves as an umbrella organization for three separate groups:

1. A regional transmission planning group
2. A reliability planning and coordination group
3. A tariff services group

¹ For example, several MAPP Transmission Providers have executed Attachment KK-2 with its Attachment which is made part of the Interconnected Operations and Congestion Management Service by reference on page 3 of Midwest ISO's March 10, 2009 filing at FERC, Motion for Leave to Answer and Answer, in Docket No. ER09-592-000: "Pursuant to the [FERC's] February 19 [2009] Order, the Midwest ISO informed the MAPP parties that the version of the TTC/ATC/AFC Protocols requiring the Midwest ISO to decrement available AFCs on its system for transactions on the MAPP transmission system in 'study' mode will be accepted as an attachment to the Attachment KK-2 Service Agreement."

MAPP members include investor-owned utilities, power marketers, cooperatives, municipals, public power districts, independent power producers, industry associations, and state regulatory agencies.

1.2 Use of the Individual MAPP Member Tariff Transmission Systems

All uses of the Individual MAPP Member Tariff Transmission Systems shall be reserved on the applicable MAPP TSP's OASIS page. This includes transmission service that enters, passes through, or exits Individual MAPP Member Tariff Transmission Systems. All transmission requests that are subject to Available Flowgate Capacity (AFC)/Available Transfer Capacity (ATC)/Available Share of Total Flowgate Capacity (ASTFC) analysis shall be made on the MAPP OASIS node and be evaluated through the MAPP Regional Request Evaluation Process.

1.3 Transmission Service Request Evaluation on the MAPP Member Tariff OASIS

All valid transmission service requests submitted on the MAPP Member OASIS are evaluated based on the pre-confirmed flag status and queue time of the OASIS request. The evaluation results of the MAPP Request Evaluation Process for each request are available through the Request Evaluation Results posting.

2 MAPP Transmission System

These Policies and Procedures apply to transmission service provided over the entire MAPP Transmission System.

The term “MAPP Transmission System,” used throughout this document is defined in the *Second Restated MAPP Agreement*.

MAPP Transmission System shall mean, in the aggregate, the Bulk Electric System facilities that: (i) are located in the Eastern Interconnection; and (ii) are owned by MAPP Members or to which MAPP Members have ownership-like rights; and (iii) do not include the Bulk Electric System facilities of a Member that has turned over functional control of its transmission facilities to, or has entered into an international cross-border transmission coordination agreement defining its participation in, a FERC-approved Regional Transmission Organization or an independent transmission company that is a member of a FERC-approved Regional Transmission Organization.

3 MAPP Regional Practices for Member Tariff OATT Service

3.1 Requests for Service on a Member Tariff OASIS

The MAPP TSP must validate the transmission service requests (TSR) submitted on its OASIS for eligibility and timing requirements under their tariff. A member tariff transmission service request is considered a Completed Application when it passes validation.

If a request does not pass validation, then the MAPP Request Evaluation process will not evaluate the request, and the Transmission Customer must submit another transmission service request.

The MAPP Transaction Coordinator does not change the OASIS status of a Member Tariff transmission service request.

The Member Tariff transmission request will be evaluated using the MAPP Regional Request Evaluation Process described in Appendix F. The TSP administers approval of the member tariff service request based on both the terms and conditions of their OATT, including timing requirements as posted on the TSP's OASIS, and the results of the MAPP Request Evaluation Process or system impact study.

3.2 Required MAPP Member Tariff OATT TSR Validation Requirements

All TSRs submitted on a MAPP Member OASIS page shall pass the following validations before the MAPP Regional Request Evaluation Process will evaluate them. If a TSR does not pass one of the following validations, then the TSR shall automatically be set to a status of INVALID.

VALIDATION	Secondary Non-Firm Point-to-Point	Non-Firm Point-to-Point	Firm Point-to-Point	Non-Designated Network	Network
POR/POD	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED
Source/Sink	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED
POR/Source & POD/Sink	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED

The MAPP Regional Request Evaluation process only evaluates valid transmission service requests. The transmission service request must pass all enabled validations in order for the transmission service request to be evaluated.

3.3 MAPP Transaction Coordinator Requested Annulment of a Member Tariff Reservation

The policies and procedures in this section are not to supersede a TSP's obligation to act according to its own OATT and business practices.

In the event that a Member Tariff transmission service request reaches CONFIRMED status and it is determined by the MAPP Transaction Coordinator that errors made by the Transmission Customer result in violation of MAPP Policies and Procedures for Transmission Operations or other existing MAPP business practice posted on OASIS, the MAPP Transaction Coordinator may request that the TSP annul such service. The TSP shall advise the Customer of such annulment.

In the event that a Member Tariff Transmission service request reaches CONFIRMED status and it is determined by the MAPP Transaction Coordinator that the service should not have been placed in the ACCEPTED or COUNTEROFFER status due to violation of MAPP Policies and Procedures for Transmission Operations, other existing MAPP business practices posted on OASIS, or due to errors in the evaluation of the requested service related to errors in system software, the MAPP Impact Calculator computations, related data inputs, etc., the MAPP Transaction Coordinator shall post on OASIS a description of the error uncovered and any plans to reassess service granted inappropriately due to the error in a comparable and non-discriminatory manner. The MAPP Transaction Coordinator may request that the TSP to annul such service. The TSP shall advise the Customer of such annulment.

The Transmission Customer, TSP, or MAPP Transaction Coordinator may request that the MAPP Tariff Services Committee review any annulment initiated by the MAPP Transaction Coordinator.

3.4 Pre-Emption

The MAPP TSPs shall take action in order to avoid the double counting of impacts in the MAPP Regional Request Evaluation process, such as annulling the competing request if the contender matches the request, and/or displacing the contending request.

One MAPP Member Tariff Provider's OATT service does not pre-empt another MAPP Member Tariff Provider's OATT service. Pre-emption only occurs under the same tariff.

3.5 Partial Service

The MAPP Request Evaluation Process will identify partial service based upon AFC for firm and non-firm transmission service requests that are limited by a MAPP and Reciprocally Coordinated flowgate(s).

The MAPP Transaction Coordinator will manually determine if partial service can be granted for ASTFC.

If it is determined that adequate transmission capacity on MAPP and Reciprocally Coordinated flowgate(s) does not exist to satisfy the full amount of a request for non-firm or firm transmission service, partial service may be offered, if available. Partial period service may be offered as long as the service available meets the minimum term requirements of the transmission service type requested.

When partial service is offered the MAPP TSP shall set the status of the request to COUNTEROFFER and adjust the capacity granted profile on OASIS.

It is important that the Transmission Customer check the Capacity Granted field of transmission service request in the status of COUNTEROFFER before confirming the request to determine if the request was approved for the full amount or partial service.

3.6 Conditional Firm Service: Priority Changes During the Conditional Period

If a MAPP TSP offers Conditional Firm Service under its OATT, it will be the responsibility of each individual MAPP TSP to implement the secondary network curtailment priority to apply for the hours or specific system conditions when conditional firm service is conditional.

Each MAPP TSP will provide to its Reliability Coordinator a copy of the executed service agreement for transmission service that has been granted using conditional firm service.

3.7 Mitigation for Firm Member Tariff Service

Please consult the individual MAPP Member tariff Business Practices for the mitigation of firm Transmission Service, if applicable.

3.8 Planning Redispatch Service Procedure for MAPP Member Tariffs

Please consult the individual MAPP Member tariff Business Practices for the offer of Planning Redispatch, if applicable.

3.9 Changes in MAPP Member Tariff Service Specifications

3.9.1 Resale of MAPP Member Tariff Transmission Service

A MAPP Member Tariff Resale transmission service request is not subject to the MAPP Regional Request Evaluation process. The parent request must be confirmed and have sufficient capacity granted to be resold.

3.9.2 Redirect of Firm Point-to-Point Service on a Non-firm Basis

All transmission service requests for Secondary Non-firm transmission service must be submitted on the applicable MAPP Member Tariff OASIS page, and is subject to the results of the MAPP Regional Request Evaluation process.

3.9.3 Redirect of Point-to-Point Firm Service on a Firm Basis

All transmission service requests for firm redirect transmission service must be submitted on the applicable MAPP Member Tariff OASIS page with a request type of REDIRECT, and is subject to the results of the MAPP Regional Request Evaluation process.

3.9.4 Non-designated Network Service

All requests for Non-designated Network transmission service must be submitted on the applicable MAPP Member Tariff OASIS page, and is subject to the results of the MAPP Regional Request Evaluation process.

3.9.5 Extensions for Commencement of Service

A Transmission Customer may request to defer the start of service using an OASIS request type of Deferral in accordance with the applicable MAPP Member OATT. A deferral transmission request is treated as a new request and may be subject to the MAPP Regional Request Evaluation process.

On approval of the request to defer the start of service, the parent reservation of the deferred service capacity granted maybe subject to “recall” by the TSP.

3.9.6 Rollover Rights

MAPP Members may provide rollover rights to Transmission Customers under their Member tariffs for firm transmission service agreements as set forth in their OATTs..

3.9.6.1 Transmission Service Provider Administration of Rollover Rights

A TSP shall generate a Rollover Right request to extend the term of a confirmed reservation that has rollover rights. The Rollover Right request will be used in the calculation of AFC/ASTFC/ATC values.

The TSP has the obligation to either adjust or remove the Rollover Right request if the Transmission Customer submits a transmission service request with a request type of RENEWAL on the MAPP Tariff Provider's OASIS.

Rollover Right requests begin with an "R" and then the OASIS number that has unexercised rollover rights, for example, R9999999. Rollover Right requests are only visible through the Initialization Impact viewer on the OASIS.

3.10 System Impact Studies for Firm Transmission Service

The transmission service request shall be set to the status of study if the MAPP TSP offers a system impact study. The transmission service request shall be refused if the customer does not execute a system impact study agreement. The transmission service request will remain in the status of study until the system impact study or other necessary studies under the TSP's OATT is completed.

The posted AFC/ATC/ASTFC values shall determine whether sufficient capacity exists to grant transmission service within the 3 year posting horizon of the MAPP Regional Request Evaluation process where a system impact study is not available.

Additional MAPP TSP study methodologies may be required for requests that have rollover rights or in accordance with the MAPP TSP tariff.

The TSP, however, has an obligation to make a reasonable determination that AFC/ATC is available beyond the 3-year evaluation horizon, on all applicable flowgates, using all data included in the MAPP Request Evaluation Process in the initial 3-year horizon.

3.10.1 Transmission Service Provider Obligation to Manage System Impact Study Impacts

The MAPP TSP shall manage system impact study impacts in order to accommodate shorter-term service due to the inclusion of study status requests.

3.10.2 Release of Short-term AFC/ATC/ASTFC Due to Study Status Reservations under MAPP Member Tariffs

MAPP TSPs will release short-term AFC/ATC/ASTFC for requests still in study status between themselves and in accordance with Seams Operating Agreements¹.

On a monthly basis, MAPP TSPs will evaluate their transmission service requests in study status against their estimated System Impact Study (SIS) completion date(s).

MAPP TSPs will review such transmission service requests expected to remain in study for which they wish to release AFC/ATC/ASTFC for up to but not to exceed the expected study completion date.

If the transmission service for which AFC/ATC/ASTFC is to be released is a service type "Redirect" the following process will not apply. In the case of redirected service the MAPP TSP will assure that the AFC/ATC/ASTFC and scheduling rights are returned to the parent transmission service request.

The MAPP TSP will create a set-aside transmission service request with the same information as the original study status transmission service request.

The MAPP TSP will profile the set-aside service request with zero capacity for the time frame for which the MAPP TSP intends to free up short-term AFC/ATC/ASTFC. The remaining months of the profiled set-aside will reflect the requested capacity pattern on the original study status reservation. The original study status reservation "Excluded" flag shall be set to "YES" in webTrans to prevent duplication of the AFC/ATC/ASTFC impacts.

This releases shorter term AFC/ATC/ASTFC for the study status reservations and retains the same impacts as the original reservation for the remaining time frame of the reservation.

At the time the original transmission request is set to a status of accepted, the MAPP TSP will remove the set-aside transmission service request and the original transmission service request with the granted capacity profile will be included in the MAPP TSP AFC/ATC/ASTFC calculations by setting the "Excluded" flag to "NO".

3.11 Tagging MAPP Member Tariff Transmission Service

Each MAPP TSP approval entity on an E-tag shall validate that the E-tag has a complete tariff path. The MAPP TSP shall validate that an OASIS request is listed for each MAPP TSP. The MAPP Tariff Provider shall review that the applicable adjacent MAPP TSPs are listed in the TSP path. The TSP shall validate the E-tag GCA and LCA

¹ MAPP COR and Midwest ISO shall continue to utilize practices by which shorter term firm service will be made available if flowgate capacity is insufficient to accommodate shorter term service due to the inclusion of study-status reservations and/or conditional confirmed reservations and the System Impact Studies and/or facility improvements required for such requests will not be completed during the term of the short-term service being offered.

are comparable to the OASIS reservations source and sink. Approved Alternative Control Areas for tagging can be found in the Alternative Control Area list posted on the MAPP OASIS Information Page at: <http://toinfo.oasis.mapp.org/oasisinfo/info.htm>.

Not less frequently than annually, the MAPP Transaction Coordinator will:

- Reassess each Approved Alternative Control Area for tagging to verify that each previously approved alternative is satisfying the currently approved conditions that qualify it to be an approved alternative.
- Assess control areas
 - previously assessed but not qualifying, or
 - newly introduced since the previous assessment or reassessment, or
 - previously not assessed but requested to be assessed, to discover alternative control areas for tagging that satisfy the currently approved conditions for approved alternative control areas for tagging.

Upon completion of any reassessment as described above:

- Garner TSC approval;
- Promptly post on MAPP OASIS the approved reassessed equivalencies and their effective date.

The updated equivalencies are to become effective as soon as practicable, at the beginning of a calendar month.

4 Scenario Analyzer

To a Transmission Customer viewing AFC values for flowgates, ATC values for contract paths, or ASTFC values for Reciprocally Coordinated Flowgates, it may not be obvious what the limiting interface might be for a specific transmission request. Because the MAPP Regional Request Evaluation process is using a flow-based calculation and request evaluation methodology, the AFC/ASTFC on the applicable flowgates and the ATC on the applicable contract paths must be considered for every request. Even if the Transmission Customer knew the limiting interface, without an idea of the PTDF or OTDF for the request on that interface, the viability of a transmission request may not be obvious without actually submitting the request and waiting for the results.

In order to resolve this dilemma, the MAPP Transaction Coordinator provides a Scenario Analyzer that may be used by Transmission Customers to evaluate non-firm and firm transmission requests against flowgate AFC/ASTFC and contract path ATC without submitting a real request to OASIS. The Transmission Customer completes and submits a request form on the Scenario Analyzer that is virtually identical to that on OASIS. The response is instantaneous via the web tool. The Scenario Analyzer attempts to use the most current AFC\ATC\ASTFC values. Requests submitted through the Scenario Analyzer do not constitute real transmission requests, so Customers may analyze many scenarios without requiring intervention of the MAPP Transaction Coordinator or TSPs.

NOTE: The Scenario Analyzer only includes the constrained interfaces that are included in the MAPP Regional Request Evaluation process. These constrained interfaces may not be sufficient to evaluate the ability to deliver power from a prospective new generation interconnection, and the TSP should be contacted to identify any local constraints that would also need to be considered.

5 Energy Schedule Reporting

The MAPP TSPs will provide the energy profiles from NERC E-tags for calculation of flowgate AFC and contract path ATC, and the OASIS schedule posting.

6 ASTFC Allocation Sharing/Transfer Process

Under the provisions of the Seams Operating Agreement between individual MAPP TSPs and the Midwest ISO, all firm transmission service reserved on a MAPP Member OATT is subject to the Forward Coordination Process under Attachment LL to the Midwest ISO TEMT, hereafter referred to as the CMP Baseline document. Under this process, an allocation of flowgate capability between MAPP and the Midwest ISO (as well as between other Reciprocal Entities such as PJM, SPP, and TVA) is performed to determine each parties share of capability to determine each parties Available Share of Total Flowgate Capability (ASTFC). The ASTFC is evaluated similarly to an AFC evaluation.

Any transmission service request, which passes the AFC/ATC evaluation, is then subjected to an ASTFC evaluation. If a transmission service request fails the ASTFC evaluation, then additional analysis will be performed to determine if there is adequate ASTFC from another reciprocal entity to either share or transfer allocation in order to grant the transmission service.

The MAPP TSPs must contact the MAPP Transaction Coordinator if transmission service requested under their OATT was denied due to the ASTFC calculation. The MAPP Transaction Coordinator shall determine if there is ASTFC available to share or transfer from the Midwest ISO or other Reciprocal Entities.

Allocation sharing is a manual process, which may increase the typical response time.

Allocation sharing will be administered per Section 6.7 of the CMP Baseline document.

Appendix A: Glossary of Acronyms

Acronym	Description
AFC	Available Flowgate Capability
ASTFC	Available Share of Total Flowgate Capability
ATC	Available Transfer Capability
FRD	Flowgate Redispatch
OASIS	Open Access Same-time Information System
SOA	Seams Operating Agreement
TLR	Transmission Line-loading Relief
TSR	Transmission Service Request

Appendix B-E: These Appendices Reserved

This section reserved for future use.

Appendix F: MAPP Regional AFC/ATC/ASTFC Calculation and Request Evaluation Process

Reference document: **MAPP Policies and Procedures for Transmission Operations – Appendix F: AFC/ATC/ASTFC Calculation and Request Evaluation Process**

This document also includes the MAPP Procedure to Review TSP ATC Component Calculations and Resulting Values for Compliance with MAPP Regional Methodologies.

Appendix G: Modifications to the MAPP Policies and Procedures for Transmission Operations

Purpose

FERC Order No. 890 requires TSPs to post a statement of the process by which the TSP will amend the rules, standards, and practices that are available on OASIS and related to transmission service. This Appendix describes the process MAPP follows to modify the MAPP Policies and Procedures for Transmission Operations document posted on its website.

MAPP Regional Methodology

All changes to the MAPP Policies and Procedures for Transmission Operations shall be approved by the Tariff Services Committee (TSC). Notice of MAPP TSC meetings shall be posted in the Meeting Calendar on the MAPP website. The upcoming meeting information shall be posted 10 or more calendar days prior to the meeting to give sufficient notice to interested parties when possible. The effective date of any changes to the Policies and Procedures for Transmission Operations shall be the date when the MAPP TSC takes action on the requested modification, or a later date as specified in the specific action item.