



Manual No. 013

Business Practices Manual
Module B of the Open Access
Transmission, Energy and
Operating Reserve Markets
Tariff



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1. Introduction

This introduction to the MISO *BPM for Module B of the Open Access Transmission, Energy and Operating Reserves Markets Tariff* includes basic information about this BPM and the other MISO BPMs. The first section (Section 1.1) of this Introduction provides information about the MISO BPMs in general. The second section (Section 1.2) is an introduction to this BPM in particular. The third section (Section 1.3) identifies other documents in addition to the BPMs, which can be used by the reader as references when reading this BPM.

1.1 Purpose of the MISO Business Practices Manuals

The BPMs developed by MISO provide background information, guidelines, business rules, and processes established by MISO for the operation and administration of the MISO markets, provisions of transmission reliability services, and compliance with the MISO settlements, billing, and accounting requirements. A complete list of MISO BPMs is available for reference through MISO's website. All definitions in this document are as provided in the MISO Tariff, the NERC Glossary of Terms Used in Reliability Standards, or are as defined by this document.

1.2 Purpose of this Business Practices Manual

This BPM for Module B of the Open Access Transmission, Energy and Operating Reserve Markets Tariff contains the business practices of the MISO in implementing Module B of its Tariff and in related activity, such as how to implement and administratively handle Grandfathered (or non-Tariff) Transmission Service. The BPM conforms and complies with the Tariff, North American Electric Reliability Corporation (NERC) (also known as the Electric Reliability Organization (ERO)) operating policies, and the applicable Regional Entity or Regional Reliability Council/Organization reliability principles, guidelines, and standards.

This BPM benefits readers who want answers to the following questions:

- What are the types of Transmission Service available?
- How is Transmission Service requested and what are the deadlines?
- How does Energy scheduling relate to Transmission Service?
- What is the process for requesting Financial Transmission Rights (FTRs) on the Open Access Real-Time Information System (OASIS)?

1.3 References

- BPM-002 Energy and Operating Reserve Markets
- BPM-004 Financial Transmission Rights (FTR) and Auction Revenue Rights (ARR)



- BPM-007 Physical Scheduling
- BPM-011 Resource Adequacy Requirements
- Tariff of the MISO
Official MISO Website > [Library](#) > Tariff
- Available Flowgate Capability Implementation Document (ATCID)
MISO OASIS > Home Page > Documents > ATC Information > Current Available Transfer
Capability Implementation - [ATCID](#)



2. MISO Tariff

The Tariff, specifically Module B, provides for both Network Integration Transmission Service (NITS) and Point-to-Point (PTP) Transmission Service.

The MISO administers the Tariff. This document lays out business practices for Module B of the Tariff. Administering Module B of the Tariff involves, but is not limited to, calculating and posting Available Flowgate Capability (AFC), processing requests for Transmission Service, coordinating System Impact Studies and Facility Studies, verifying appropriate Ancillary Services have been arranged, allowing for customers to schedule use of the Transmission Service, and managing congestion. Congestion and Energy imbalance services are governed by settlement provisions contained in Module C of the Tariff. For transmission settlements, please refer to specific tariff schedules and the Transmission Settlements Business Practice Manual.

3. Scheduling

Detailed scheduling instructions can be found in the Physical Scheduling Business Practice Manual, which can be found at the MISO website.

3.1 Eligible PORs/PODs

PORs/PODs (Points of Receipt/Points of Delivery) posted on the MISO OASIS are the Local Balancing Authority (LBA) Areas that are physically located in the MISO, the regions that adjoin the MISO, and any External Balancing Authorities Areas that adjoin the MISO Balancing Authority (BA) Area. Interfaces between the MISO and adjoining External Balancing Authority Areas that are controlled via controllable devices (i.e. phase shifters, DC ties, etc.) will receive special designation.

3.2 Valid Sources/Sinks

Valid Sources/Sinks include:

- Commercial Nodes in the MISO Footprint (except Financial Hubs)
- Commercial Nodes that are defined as Interfaces to the MISO Energy and Operating Reserve Markets

Transmission Service Request (TSR) approval will be based on an AFC analysis that considers the impact of Generators and Loads specified with the Source and Sink,¹ and for long-term TSRs, an offline System Impact Study. Transmission Service that has been approved using these specific Sources and Sinks cannot be used for different Sources and/or Sinks, unless the original Transmission Service was sold as firm, and the Transmission Customer has identified its use as non-firm secondary service.² Transmission Service being used to serve retail customers under a state retail choice program will identify the LBA Area or System where the retail Load exists (i.e., the MISO will not identify the Load on a greater resolution than its Control Area or System until such time as the MISO adopts use of sub-zones for finer AFC granularity).

Sources/Sinks in non-MISO, External BA Areas may not be specified in the MISO OASIS (and thus may not appear in the OASIS drop-down list of Sources/Sinks) and may not be uniquely modeled in the MISO AFC calculation process. To complete a TSR that involves a “drive-in”,

¹ Transmission Service approval will be based on AFC analysis that concerns the impact of Generators and Loads specified with the Source and Sink (or proxy POR and POD).

² The MISO will allow the customer to use a different source and/or sink if the MISO determines that the new source and/or sink is electrically equivalent to the source and/or sink specified on the original reservation. A list of common electrical equivalents is listed in the “Tariff” section of the General Information page of the MISO OASIS.



“drive-out”, or “drive-through” transaction where the Source/Sink is not in the drop-down list of Sources/Sinks, the External BA Area may be used as the Source/Sink.

When reserving Transmission Service to or from a non-Eastern-Interconnection system, use the Eastern-Interconnect Control Area where the Energy will leave or enter the Eastern-Interconnection as the Sink or Source.

4. Use of the MISO Tariff

4.1 Eligibility

MISO Members and non-members can use the Tariff. An eligible customer must register as a Market Participant (including executing a Market Participant Agreement) and have executed service agreements (firm, non-firm, or network) with MISO before it can request Transmission Service via the OASIS. This registration must be completed before the necessary Market Participant attributes (e.g., Market Participant and Asset Owner identifiers) are entered into the MISO OASIS. MISO will also conduct a credit check and may require some form of security or deposit prior to enabling an entity to request service or may require Financial Security upon request.

4.2 Interchange

Customers wishing to schedule Transmission Service to or from transmission systems located in non-MISO, External BA Areas can use the Tariff provided they make separate transmission arrangements to or from the MISO Interface. As explained previously, the MISO TSR will designate the POR and/or the POD as the Interface with the MISO, as appropriate, and the Source and/or the Sink will be designated as the External BA Area.

4.3 Contractual Limitations

The flow-based approach described in Section 5 of this Manual predicts and analyzes flows on constrained facilities (referred to as flowgates) when determining whether sufficient capacity exists to approve a TSR that sources and/or sinks outside of the MISO. This flow-based approach is an alternative to a contract path based approach.

However, there are instances where a contract path limit must be recognized along with the flows on constrained facilities when determining whether sufficient capacity exists to approve a TSR. There are at least two instances where this may apply.

The first instance would involve non-MISO, External BA Areas that are first-tier BA Areas with physical connections to the MISO BA Area that are not in a Regional Transmission Organization (RTO) or would also reflect the Interface capability with a non-MISO RTO. These first-tier BA Areas may have limited contractual capacity between themselves and the MISO LBA Area with which they have direct connections. Since some of these first-tier External BA Areas are not part of a region that has agreed to convert from a contract path based approach to a flow-based approach, it is appropriate to recognize contractual limitations between the first-tier External BA



Areas and the MISO LBA Area with whom they have direct connections. The MISO adheres to the contractual limitations for those first-tier External BA Areas that are not part of a region that has converted from a contract path based approach to a flow-based approach. The MISO also will adhere to the contractual limitation with a non-MISO RTO as a whole (i.e., the sum of all of the contractual limitations between the MISO and the other RTO will be honored when selling Transmission Service to/from the other RTO). MISO will also adhere to any shared contract path limits used by designated Jointly-Owned Units.

The second instance would involve non-MISO, External BA Areas that are treated as first-tier External BA Areas even though there are no physical connections between the MISO BA Area and these External BA Areas (and this External BA Area is not in a region that has a Regional Tariff). This could occur if a MISO Transmission Owner has contractual rights in a transmission line that is jointly owned with non-MISO, External BA Areas. In this case, all other External BA Areas that have contractual rights in this transmission line become first tier BA Areas – even if not connected to the MISO BA Area through any other line (or a Regional Tariff). The maximum Transmission Service that can be scheduled (or sold) across this Interface between this External BA Area and the MISO is limited to the maximum contractual rights that exist.

5. Flow-Based Approach

5.1 Applications

The MISO uses a flow-based approach to post transmission availability and to evaluate requests for Transmission Service under the Tariff. A flow-based approach monitors flows on constrained facilities that are known to experience excessive loading during transfers.

When a request for Transmission Service is received on the MISO OASIS, the request is evaluated by measuring the effects of the transfer on each constrained facility. The method the MISO uses for this evaluation is to make a series of linear analyses prior to receipt of a request. The linear analyses develop a series of response factors that indicate the change in the flow on a constrained facility for transfers between each Source/Sink pair. When the TSR is received, these response factors are used as defined in the ATCID.

5.2 webTrans Automation to Calculate AFC

MISO employs software called webTrans that will assist the MISO in administering the Tariff by automatically processing requests for Transmission Service using a flow-based approach and determining AFC on constrained facilities while minimizing operator intervention in the process. The details of this flow-based approach are detailed in the ATCID.

5.3 Posting Flowgate AFCs

webTrans computes and posts to the OASIS constrained facility hourly AFCs for the first 7 days, daily AFCs for days 8 through 31, and monthly AFCs for months 2 through 36. Response factors, which represent the increased flow on a constrained facility for a transfer between a Source and a Sink, are computed for changes in topology at this same time interval. webTrans uses the power flow model to determine AFC and to calculate response factors. Any changes in topology are reflected in new response factors. This process of updating AFC values and determining new response factors is considered a resynchronization of data. Corresponding power flow models must be created for each time interval to compute constrained facility AFC and response factors. Between resynchronizations, AFCs are decremented as necessary (i.e., while processing service requests) utilizing response factors and Source/Sink combinations. Please refer to the MISO Flow-Based Analysis white paper for more details on this process.

5.4 Scenario Analyzer

The flow-based approach being used to process requests under the Tariff requires computing constrained facility AFC for the study, planning, and operating horizon. Constrained facility AFC



represents remaining capacity available on a constrained facility. Transmission Customers, however, are interested in ATC that is available between a Source and a Sink, not the capacity that is available on a constrained facility. In order to provide Transmission Customers the information they desire, the MISO provides a Scenario Analyzer for customer use, which allows a customer to enter a potential reservation request and find out whether the request would be approved and/or denied if a request is made. The Scenario Analyzer will evaluate availability of capacity on any significantly impacted flowgate for each Source/Sink pair.

Information provided by the Scenario Analyzer is a study tool and cannot be used as the final determination of AFC or whether a TSR will in fact be approved.

6. Requesting Regional Transmission Service

6.1 Peak Definitions

The MISO peak definitions will have the following meanings. All times EST for the entire calendar year (i.e., No change to Daylight Savings Time (DST)):

Monday through Friday

	From HE ³	Through and Including HE
Off-Peak	0100	0600
On-Peak	0700	2200
Off-Peak	2300	2400

Saturday and Sunday

	From HE	Through and Including HE
Off-Peak	0100	2400

Holidays

****The Off-Peak day will occur on the Monday immediately following a holiday that occurs on a Sunday.**

(New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day)

	From HE	Through and Including HE
Off-Peak	0100	2400

6.2 Transmission Service Types

Precondition notes:

- MISO does not support Sliding or Extended Periods
- Customers are permitted to rebid MISO transmission requests in a coordinated group once MISO has been notified that one or more of the coordinated requests in the coordinated group has been withdrawn or denied.

³ Hour Ending (HE).

6.2.1 Point-to-Point

MISO offers the following point-to-point service types (all times in EST):

- Hourly Non-firm Point-to-Point: The service starts at the beginning of the clock hour and stops at the end of a clock hour, but no more than 23 consecutive hours.
- Daily Non-firm Point-to-Point: The service begins at 00:00 and ends at 00:00 at least one calendar day later, but no more than six calendar days later.
- Weekly Non-firm Point-to-Point: The service starts at 00:00 on Monday of each week and ends at 00:00 on Monday at least one week later, but less than four weeks later.
- Monthly Non-firm Point-to-Point: The service begins at 00:00 on the first day of the calendar month and ends at 00:00 on the first day of the calendar month at least one month later, but less than twelve months later.
- Daily Firm Point-to-Point: The service begins at 00:00 and ends at 00:00 at least one calendar day later, but no more than six calendar days later.
- Weekly Firm Point-to-Point: The service starts at 00:00 on Monday of each week and ends at 00:00 on Monday at least one week later, but less than four weeks later.
- Monthly Firm Point-to-Point: The service begins at 00:00 on the first day of the calendar month and ends at 00:00 on the first day of the calendar month at least one month later, but less than twelve months later.
- Yearly Firm Point-to-Point: The service starts at 00:00 on the first day of the calendar month and ends on the first day of a calendar month for a minimum of 12 consecutive months.
- NAESB business practices make note of a Next-hour Market Service Product of 0-NX, which is to be added as a reference when an E-tag is made. MISO does not offer this product and will not approve E-tags referencing a 0-NX transmission reservation.

6.2.2 Network Integration Transmission Service (NITS)

NITS is a Transmission Service that allows Network Customers to efficiently and economically utilize their Network Resources (as well as other non-designated Generation Resources) to serve their Network Load located in a Transmission Owner's, Independent Transmission Company (ITC), or ITC Participant(s) Local BA Area or pricing zone and any additional Load that may be designated pursuant to Section 31 of the Tariff. The Network Customer taking NITS must obtain or provide Operating Reserve and Other Ancillary Services pursuant to Section 3 of the Tariff or any applicable ITC Rate Schedule.

To request Firm service from designated Resources external to the MISO Footprint (all times in EST):

- Daily duration: The service begins at 00:00 and ends at 00:00 at least one calendar day later, but no more than six calendar days later.
- Weekly duration: The service starts at 00:00 on Monday of each week and ends at 00:00 on Monday at least one week later, but less than four weeks later.
- Monthly duration: The service begins at 00:00 on the first day of the calendar month and ends at 00:00 on the first day of the calendar month at least one month later, but less than twelve months later.
- Yearly duration: The service starts at 00:00 on the first day of the calendar month and ends on the first day of a calendar month for a minimum of 12 consecutive months.

6.3 Requests for Transmission Service

6.3.1 OASIS Access

- Must have a 4 character Entity Code registered in the EIR <https://www.naesbwry.oati.com>.
 - See **OATI EIR registration document**
- Must be registered with OATI as an OASIS customer <http://www.oasis.oati.com>.
 - Complete the registration information as a non-primary provider. The forms can be found under the “Registration” dropdown at the top left of the page.
 - Send the completed forms to OATI.Support@OATI.net and Register@misoenergy.org
 - Provide OATI a security officer. This is an employee of the Transmission Customer who will manage user access.
- Transmission Owner (TO) homepage
 - If a TO specific OASIS homepage is required:
 - Notify Interchange and Transmission Services (InterchangeAndTransmissionServices@misoenergy.org) that a TO page will be required
 - Notify OATI that a TO page will be required and provide a company logo OATI.Support@OATI.net
 - If MISO will post to the TO OASIS homepage on the customer’s behalf
 - Notify OATI Support via company letterhead that MISO requires DBA access.
 - The letter must include an OATI approved signatory.
 - See **BPM 013 Training: “DBA Sample Letter.docx”**
 - Notify Interchange and Transmission Services that a request for DBA access has been sent to OATI.

6.3.2 Requests for Point-to-Point Transmission Service

All requests for regional Point-to-Point Transmission Service must be made on the MISO OASIS under the Tariff. Only Transmission Customers that have umbrella Service Agreements (both firm and non-firm) and a Market Services agreement with the MISO will be given the ability to enter an OASIS request. The entire OASIS request must be completed including POR, POD, Source and Sink designations all included in order for the request to be submitted.

To facilitate the settlement of market-related charges, customers must also select an Asset Owner for each TSR. The MISO webTrans system obtains the Asset Owner information from the OASIS. Additional Information on Asset Owner registration can be found in the Market Registration materials.

MISO does not support on-line negotiations of Transmission Service. Any price submitted as the bid price for an original or redirect request will be ignored in any CONFIRMED request; and will otherwise be DECLINED.

- For a RESALE request, a bid price must be selected. If no price is included with a Resale request, it will be considered an invalid request and the request will not be submitted.

6.3.3 Requests for Network Integration Transmission Service

In order to receive MISO NITS, a customer must complete a Customer Registration packet and a Network Service Application, which can be obtained by contacting the Customer Service group at the MISO. Contact information is available at www.midwestmarket.org.

6.3.3.1 Identifying Network Resources

Network Customers utilize Network Resources by adhering to Module C of the Tariff. Resources identified by Market Participants as available to meet the Resource Adequacy requirements under the Tariff must comply with the requirements of Module E to the Tariff. Refer to the BPM for Resource Adequacy Requirements for more information.

The Network Customer may designate a new Network Resource by submitting a request for modification of service pursuant to an Application under Section 29 of the Tariff. Network Resources connected outside of MISO must be accompanied by Firm Transmission Service from the Generator to the MISO Interface. The Network Customer must certify that delivery to the MISO is firm Transmission Service when submitting a new DNR request. This certification will be verified with a screenshot of the Firm transmission request. MISO reserves the right to retract its approval

of the designation of a resource in the event that the customer fails to provide this notification or if the transmission service request submitted by other Transmission Providers is denied.

Designations for Network Resources will be approved provided that the generation resource has a Network Resource Interconnection Service Agreement in place. Without this agreement, MISO will perform system studies for calculation of available capacity prior to approval. For External Resources nominated as Network Resources, a request should be made on OASIS, which will be evaluated pursuant to section 6.6 of this BPM. This is unnecessary for internal Network Resources as that customer already has Transmission Service under its NITS contract, and the Resource will have already been determined to be deliverable. Refer to BPM 004 – FTR and ARR for related eligibility specifics.

6.4 OASIS Unavailability

There may be times when the OASIS is unavailable. During these times, a Transmission Customer will be allowed to make requests for Transmission Service for single hour service for the current and next hour only. The Transmission Customer can make a request by submitting a tag with “TBD” replacing the OASIS number on the MISO Transmission Provider line of the tag. MISO staff will enter the OASIS requests on behalf of the customer after the OASIS is back in service. A request made in this manner will be treated as pre-confirmed.

6.5 Timing Requirements and Time Zone

Attachment A of this document contains the TSR and scheduling timing requirements associated with the Tariff (Attachment J of the Tariff). The times noted there will also be evaluated against EST zone.

6.6 Processing Transmission Service Requests

Refer to Attachment J of the Tariff for all timing requirements for Transmission Request submission and responses.

MISO will require a deposit for firm point-to-point service requests and will deduct from this deposit costs associated with studies performed in evaluating the requests. Depending on the Transmission Service type, the term of the service and the earliest time a request can be made; a TSR will either be processed by webTrans or will be supplemented with off-line analysis by MISO Planning personnel. webTrans is capable of evaluating availability of constrained facility ATC for 36 months. If the request is for non-firm service or for firm service less than 12 months in duration, a flowgate review utilizing webTrans will be used to process the request. For firm service

requests of durations greater than 12 months, a study group made up of MISO staff and Transmission Owners may be used to evaluate the request, including off-line analysis, prior to acceptance or refusal of the request.

Requests for Point-to-Point Transmission Service under the Tariff will be processed under the design of the ACTID.

Requests for Transmission Service of one year or longer in duration will be moved to “Study” mode and sent to MISO Planning staff for offline analysis. For requests of duration of less than one year, webTrans will verify there is adequate capacity to accommodate the request by decrementing ATC using response factors. If the adjusted ATCs are all positive for the duration of the request, the request status will be changed to “Accepted”. If the adjusted ATCs are negative, the request status will be changed to “Received” and the MISO Operator will process this request. If the flowgate is a reciprocal flowgate and the transaction would be restricted by the MISO’s Available Share of Total Flowgate Capability (ASTFC) limit on the flowgate, Tariff Administration may contact the other transmission provider to inquire if Share of Total Flowgate Capability (STFC) may be borrowed. If so, the transaction can be accepted.

If the adjusted ATC or ASTFC are negative then the request will be evaluated for partial service. If partial service is available, the request status will be changed to “Counteroffered” if partial service is unavailable the request status will be changed to “Refused”.

The ATC of the Source/Sink pair will be posted on the OASIS during the various stages of the review and approval process. If negative ATC exists, it will be posted on the OASIS as zero.

A firm TSR that results in positive firm ATCs after it has been processed will have its status changed from “Received” to “Accepted” on the OASIS. webTrans will also update both firm and non-firm ATC for the firm reservation.

6.6.1 Pre-Confirmation Priority

Pre-Confirmation Priority will be used when evaluating new pre-confirmed Non-Firm and Short-Term Firm Point-to-Point MISO transmission reservations. Affected Pre-confirmed MISO Transmission Service will have priority over affected non-pre-confirmed MISO Transmission Service. Before refusing a pre-confirmed Non-Firm and/or Short-Term Firm Point-to-Point MISO transmission reservation, MISO will go back, and determine if there are currently any similar MISO transmission reservations that are currently in a non-confirmed status (Accepted). If a similar non-

confirmed MISO transmission reservation is found, the non-confirmed MISO transmission request will be set to a request status of Superseded, and the pre-confirmed MISO transmission request will be approved.

6.6.2 Five-Minute Window Batch Evaluation

Five-Minute Window Batch Evaluation will be used for all similar Firm Point-to-Point MISO transmission reservations, except for Yearly service. MISO will wait to assess any Transmission Service until five minutes after the no-earlier-than window opens for affected MISO Transmission Service. After five minutes, MISO will assess whether any similar MISO transmission reservations have been submitted. If similar MISO transmission reservations have been submitted, these reservations will be deemed to have been submitted simultaneously.

Capacity will be awarded from highest priority to lowest priority until no capacity remains. For each set of request of *like* priority webTrans will assign a customer selection order at random from the set of distinct customers that have submitted TSR's within that priority tier. A round-robin basis is used to assign each qualified TSR a lottery queue position. Priority Tiers for the lottery are the following:

- Request NERC Curtailment Priority
- Request Duration
- Request Pre-Confirmation Status

6.6.3 Counter-Offers

If the portion of the service that can be continuously provided, MISO will submit on the OASIS a counter-offer with the amount of service that can be accepted. The customer will need to respond to the counter-offer with a confirmation within the customer response times specified in Attachment J of the Tariff.

Example:

- Monthly Firm request is submitted for 100 MW.
- Evaluation shows three days have only 50 MW available.
- MISO will counter-offer to 50 MW for entire monthly request.

6.7 Preemption

This Section describes the Transmission Provider's implementation of the provisions of its Tariff that govern Reservation Priority (Sections 13.2 and 14.2) when competing bids for constrained resources on the Transmission Provider's transmission system ("Preemption") are submitted. The

Transmission Provider's implementation of Preemption also applies the NAESB Business Practices.

6.7.1 TSR Evaluations

Each valid TSR is evaluated in accordance with FERC policies, represented in NAESB Business Practices (WEQ 001-25), and Sections 13.2 and 14.2 of the Tariff, as applicable.

Preemption evaluations will be conducted in all transmission service evaluations where AFC or ATC is insufficient to ACCEPT the TSR. Preemption evaluations will not be conducted in any transmission service evaluation where ASTFC is insufficient to ACCEPT the TSR. All applicable TSRs or Reservations of lower priority ("Defenders") will be identified by OASIS, unless the Reservation is "unconditional" as defined in Section 13.2 of the Tariff. OASIS will provide the MISO Operator an evaluation of the request, which identifies the capacity of all Defenders that are necessary to accommodate the TSR being evaluated for acceptance ("Challenger") and the specific actions to be taken by the Operator to manage the competition. A reason for any status change associated with preemption and competition shall be posted in the seller comments.

In order to be identified as a valid Challenger, a TSR must be Pre-confirmed. The Preemption process will only be considered valid and initiated if a PTP challenger can be granted in full at the requested capacity and duration based on preemption of lower priority requests and reservations exclusive of all defenders exercising their Right-of-First-Refusal ("ROFR"). NITS Challengers may be considered valid and initiated if partial capacity can be granted based on preemption of lower priority requests and reservations. The MISO Operator will determine whether the Challenger can be granted service based on webTrans' evaluation.

Once an evaluation is selected for processing a TSR, the MISO Operator is not obligated to consider subsequent evaluations. The MISO Operator may take any actions, which are not indicated by the OATI software, should the evaluation be inconsistent with NAESB or OATT standards.

All transmission service requests and reservations currently involved in the Preemption process will have the Competing_Request_Flag set. This includes Dependents (Redirect and Resales) of involved TSRs. The value is the Preemption_Ref and can be used to view the details on OASIS in the Preemption Summary. The flag will be cleared once the affected transmission service's involvement in the Preemption process is complete. The Preemption_Ref can be found in the

audit log at any time. The Transmission Customer will be restricted from taking any action on transmission service while the Competing_Request_Flag is set.

Additional Information

Competing Request Flag: [460](#)

6.7.2 Preemption without ROFR

Once the Challenger has been granted capacity, is in a final state, and Defenders are still pending, OASIS will re-evaluate pending Defenders in rank order for remaining transfer capability. The Seller Comments will indicate that the request was impacted by the Preemption process.

When CONFIRMED Defenders are ineligible for the ROFR, the MISO Operator will initiate preemption without ROFR. If the Challenger is granted capacity and is in a final state each Confirmed Defender will be reevaluated in rank order for remaining capacity. This evaluation will incorporate preemption of all pending Defenders. MISO will post any capacity reductions necessary to accommodate the Challenger as a Recall.

Confirmed Defenders without ROFR that have had their profile reduced due to Preemption may contact the MISO Operator and request the remaining capacity be reduced or set to zero. Such requests must be made prior to the scheduling deadline.

6.7.3 Preemption with ROFR

When any Defender is eligible for ROFR and the MISO Operator initiates Preemption, MISO shall simultaneously submit a ROFR request to each Defender with ROFR . Each Defender that submits a valid response prior to the Defender ROFR Request Submission Time Limit (WEQ 001-25.1.8 Table 25-4) will be evaluated in rank order.

6.7.3.1 ROFR Profiles and Options

The ROFR request submitted by MISO can be found in the ROFR Summary in OASIS. It can also be found by clicking the ROFR_Ref found in the Preemption Detail. The ROFR request contains 2 profiles which will inform the Defender of their options: Matching Profile, Remaining Profile. Click the “New ROFR” icon to open the submission template.

ROFEntry - Google Chrome

demo.oasis.oati.com/webSmartOASIS/ROFEntry?PCM_Enabled=1&EditTSRList15=1&EditTSRList16=1&Provider=MISO&PreemptionRef=462&DefenderRef=71125431&ROFRef=585&FromDetail=1&pagelid=RO...

ROFEntry

ROFR Information

Provider: MISO Preemption Ref: 462 Defender Ref: 71125431

ROFR Request Details

Oasis ROFR Ref	Challenger Aref	Defender Aref	ROFR Ref	ROFR Status	Seller	Customer	ROFR Best Offer	Preconfirmed
462	71125434	71125431	585	NOTIFICATION	MISO	MISO	N	YES

POR: AECI POD: LES Source: AECI Sink: LES

Path: A/MISO/AECI-LES// Anc-Service-Link:

Queued Time: 09/16/2021 13:04:12ES ROFR DeadLine: 09/16/2021 14:04:11ES TOL: 09/16/2021 13:04:12ES

Seller Comments: Customer Comments:

ROFR Service Details

Match Service	Match Increment	Match TSClass	Match TSType	Match TSPeriod	Match TSWindow	Match TSSubclass
DAILY FIRM PTP	DAILY	FIRM	FULL_PERIOD	POINT_TO_POINT	FIXED	

ROFR Profile Details

Provider Matching Profile				Provider Remaining Profile			
Start Time	Stop Time	MW	Price	Start Time	Stop Time	MW	Price
09/25/2021 00:00:00ES	09/26/2021 13:00:00ES	900	0.0000	09/25/2021 00:00:00ES	09/26/2021 13:00:00ES	402	0.0000
09/26/2021 13:00:00ES	09/27/2021 13:00:00ES	498	0.0000				

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Defenders have three attempts to submit a valid ROFR request and may exercise or waive their rights as a Defender with ROFR as follows:

- Exercising ROFR
 - Submit the ROFR request with a valid Matching Profile
 - The default Matching Profile is guaranteed by MISO.
 - The Matching Profile may be modified to a longer duration or greater MW amount. This is not guaranteed by MISO and may result in the ROFR request being rejected.
- Declining ROFR
 - Submit the ROFR request with the Matching Profile set to zero
 - ROFR will automatically be declined once the Defender ROFR Request Submission Time Limit has expired.
- Remaining Profile
 - MISO guaranteed MW amount if ROFR is not successfully exercised.
 - May be modified to a lower capacity profile.
 - Best Offer Flag = 'N'
- Best Offer Flag

- If set to 'Y' then the Defender shall be reevaluated for remaining transfer capability after processing of the Challenger an ROFR requests with the Best Offer Flag set to 'N'.

Once all ROFR offers are submitted or the Defender ROFR Request Submission Time Limit expires MISO will:

1. Evaluate ROFR requests in rank order.
 - a. Infeasible ROFR requests with Best Offer = 'Y' will be held
 - b. Action on all other ROFR requests will be taken upon evaluation
2. Evaluate the Challenger and grant or deny service based on remaining transfer capability
3. Evaluate infeasible ROFR requests with Best Offer = 'Y' for remaining transfer capability
4. Evaluate each pending Defender for remaining transfer capability based on queue position.

Once final action has been taken on all Defenders the Preemption process will be concluded.

6.7.4 Cleanup of Resales and Redirects on a Non-Firm Basis

Resales that can no longer be supported by the parent's remaining capacity profile should be corrected by the Reseller. MISO reserves the right to nullify any such Resales. The Reseller will be subject to MW Overuse charges if such Resales are not corrected.

Redirects on a Non-Firm basis should be Relinquished by the Transmission Customer to ensure that the remaining capacity on the parent reservation is sufficient to support the Redirect. The Transmission Customer will be subject to MW Overuse charges if the parent can no longer support the Non-Firm Redirect.

6.7.5 Timing Requirements

MISO shall initiate the Preemption process only if there is sufficient time to conclude at least:

- 1 hour prior to the scheduling deadline of all Defenders and Challengers
- Prior to the Unconditional Time of all Defenders
- 1 hour prior to Market Close 1 day prior to start of service for all Defenders and Challengers

MISO shall account for the time limits in WEQ 001-25.1.8 Table 25-4 when performing this evaluation.

6.8 Redirection of Service

6.8.1 Redirection of Firm Service on a Non-Firm Basis

Firm Point-to-Point Transmission Service can be redirected (i.e., changing the source and / or sink) using the same reservation. However, the priority of this service when used on a redirected basis will be the lowest priority of service (i.e., non-firm secondary service) other than next hour service. A customer initiates a non-firm redirect by utilizing the redirect functionality of the OASIS. The following business rules apply:

- The class and term of service is secondary hourly service. The timing requirements for submitting non-firm redirects on the OASIS is the hourly non-firm timing requirements in Attachment J of the Tariff.
- The secondary service MW amount cannot exceed the amount of the original request less any other redirected transmission or secondary service use.
- The customer's charge for Transmission Service when using redirection will be the higher of the charge of the service to the original Load Zone (LBA Area) when the original request was queued or the charge to the new Load Zone (LBA Area) for the period of time that the service is utilized. Any service not redirected will be charged the original rate.
- If the original request that is being redirected was made by a Transmission Customer initially under a Transmission Owner's OASIS that subsequently became a MISO Transmission Owner, the MISO charge to the original Load Zone (LBA Area), at the first day of integration of such Transmission Owner into the MISO, shall be the charge that is compared to the new Load Zone (LBA Area) for the "higher of" purposes as set forth above.
- Secondary service will be approved if sufficient ATC exists.
- The Ancillary Service charges (Schedules 1 and 2, although 1 does not change by zone) will be based on the Zone of the secondary service.
- Curtailment of service will be conducted in accordance with NERC TLR procedures.
- The transmission customer may continue to utilize the original reserved Parent Reservation until the Redirect has been confirmed

- The Parent Reservation will have the Uncommitted Capacity reduced by the amount of the confirmed redirected capacity for the time period of the Redirect.
-
- The Parent Reservation will have the Uncommitted Capacity reduced by the amount of the confirmed redirected capacity for the time period of the Redirect on a non-firm basis.
- If the reserved capacity on the Redirect is reduced due to pre-emption, the reduced capacity will be added back to the Uncommitted Capacity on the firm PTP Parent Reservation.

6.8.2 Relinquish Request

The customer may relinquish the redirect Secondary service and may schedule service on the original Firm TSR with a firm priority subject to the same timing requirements that would apply to a new schedule.

6.8.3 Redirection of Firm Service on a Firm Basis

MISO will allow a customer to change their source and/or sink LBA Area of their reservation on a firm basis, which is treated as a new request for service. The request will be, analyzed as described in Section 6.6 pursuant to the business rules stated in Section 22.3 of Module B of the Tariff, and will have the same timing requirements as a new request. A customer will initiate a redirect by utilizing the redirect functionality of the OASIS.

- All firm point-to-point service (i.e., this is not limited to LTF) can be redirected for a smaller amount or of lesser duration as the original request.
- If the initial service had a direct assignment charge, the customer remains obligated to that charge. For example, a customer with LTF PTP service that is paying monthly fixed charges for direct assignment facilities is not relieved of these fixed charges during the redirect time period.
- The customer may have a redispatch requirement for the initial reservation that was arranged as a bilateral agreement between the customer and a pair of Generators. The redirect does not disturb those bilateral agreements. However, a redirect request having a lesser impact on the constrained facilities requiring redispatch under the initial reservation may cause the redispatch required during the period of the redirect to be reduced.
- Likewise, MISO may find a redispatch requirement exists in order for the customer to take redirect service. The customer will arrange a bilateral agreement with a pair of Generators to have the redirect approved.

- A request cannot be redirected until it is a confirmed request.
- Redirects must fit within the start time, end time and capacity of the initial reservation.
- A customer can have a redirect request embedded within a previously approved redirected reservation. However, the requirement still exists that the start time, end time and capacity of the redirect request must fit within the previously approved redirected reservation.
- Approval of the redirection is subject to sufficient ATC. ATC is considered sufficient if the response factor impact of the redirected request is equal to or less than the response factor impact of the original reservation on all constrained facilities when compared at the time the redirect request is made.
- Constraints that are ignored on a parent TSR due to being 'on-path' are considered new constraints for redirects where the constraint is now 'off-path'.
- The transmission customer may continue to utilize the original reserved firm unconditional Parent Reservation's POR and POD until the confirmed firm Redirect has reached its conditional reservation deadline. The Parent Reservation will have the Uncommitted Capacity reduced by the amount of the confirmed redirected capacity for the time period of the Redirect on a firm basis.
- Redirects of LTF Transmission Service with the same stop time as the parent reservation, the customer may convey the eligible rollover rights to the redirected path.
- Redirect of STF transmission service with the same stop time as the Parent Reservation will receive the conditional reservation deadline associated with the Parent Reservation.
- If the reserved capacity on the firm Redirect is reduced due to pre-emption, the reduced capacity will be added back to the Uncommitted Capacity on the firm Parent Reservation.
- Once a firm Redirect is confirmed and becomes unconditional, the scheduling rights will be reduced by the redirected capacity on the Parent Reservation's POR and POD.
- Once the customer confirms the redirect, the customer must submit a new redirect request to change to the new or the original path.

6.9 Accommodating a Firm Request with Redispatch

Firm service will not be accommodated with redispatch without a System Impact Study identifying the mitigation required. Redispatch will be performed subject to Module C of the Tariff. Please see the *BPM for Energy and Operating Reserve Markets* for more details.

6.10 Rebid

MISO does not accommodate price rebids.

6.11 Annulment of a Transmission Request

MISO will use the status of Annulment under the following circumstances:

- An unintentional mistake in entering a valid request for Transmission Service.
 - The customer must immediately notify the MISO when they become aware that a TSR was Confirmed in error.
 - The MISO has sole discretion to determine the validity of the error and may request a replacement TSR be Confirmed prior to granting the Annulment request.
 - If the mistake TSR was submitted too late to tag for the first hour, that hour is not required to be included in the replacement TSR.
- The MISO approves a request that is invalid or violates an existing business practice. The MISO will immediately notify the Transmission Customer of the circumstance.
- Annulment will be allowed when TSR's are impacted by Pre-emption in section 6.6.
- Pursuant to the MISO Credit Policy, the MISO requests financial assurances from a customer with a confirmed reservation and the customer fails to provide those financial assurances.

Redirect Reservations will be RECALLED in full in lieu of setting the status to ANNULLED.

A request will not be annulled because of non-use. If a customer decides they cannot, or do not want to, use the service, they have the option and right to resell the service, and for firm service, use secondary service or request to redirect the service, based on availability of ATC.

Under extenuating circumstances that render service nonviable for its intended purpose (e.g., cancellation of construction, failure to procure a pseudo tie, etc.) confirmed transmission service may be annulled upon request. The determination of whether the annulment request is granted will be at the sole discretion of the MISO, and be made under the specific conditions present at the time. The customer must immediately notify the MISO when such conditions arise. Annulment will not be permitted after start of service has commenced.

- MISO may require submission of corrected transmission service prior to annulment.

6.12 Resale of Transmission Service

A MISO point-to-point transmission customer may resell all or a portion of its rights under its Service Agreement, only to an eligible customer under the MISO Tariff. The following practices apply:

- The Reseller and Assignee must not be the same Transmission Customer.
- If the Parent Reservation is conditional, the Resale reservation will also be conditional, until the same point in time that the Parent Reservation becomes unconditional.
- If an aggregate of multiple Parent Reservations are in a Resale reservation, then the Resale reservation will conditional until all of the aggregated Parent Reservations have become unconditional.
- Compensation to the Reseller shall be at rates established by agreement with the Assignee. The Assignee must execute a service agreement with the Transmission Provider prior to the date on which the reassigned service commences that will govern the provision of reassigned service. The Transmission Provider shall credit or charge the Reseller, as appropriate, for any differences between the price reflected in the Assignee's Service Agreement and the Reseller's Service Agreement with the Transmission Provider.
- If the assignee does not change any Points-of-Receipt or Points-of-Delivery or any other term or condition set forth in the original service agreement, the assignee will receive the same service and priority, as did the reseller.
- The Reseller will be held responsible for all terms and conditions of the Tariff. MISO will continue to bill the Reseller.
- Resellers may use MISO's OASIS to post transmission capacity available for resale.
- A firm Redirect of a Resale reservation shall not be submitted if:
 - An aggregation of reservations with one or more conditional Parent Reservation(s) or
 - A descendent of an aggregation of reservations with a conditional Parent Reservation

DISPLACEMENT OF A RESALE

- Resales for firm service are not subject to displacement Once the conditional window on the Parent Reservation has close.
- The capacity resold will still be held by the Parent Reservation and subject to the Preemption-ROFR Process under the terms of the Parent Reservation. A Resale reservation is not an eligible Defender.
- The Reseller of transmission service that is subject to Preemption is responsible for exercising ROFR for capacity that includes that of any Resale reservations.

- The Assignee of a Resale that is subject to losing capacity due to Preemption does not have a right to exercise ROFR.
- A confirmed firm Redirect of a Resale reservation may be subject to the Preemption-ROFR Process under the terms of the Redirect reservation
-

6.12.1 Transfer of Transmission Service (Point-to-Point)

A MISO point-to-point transmission customer (Reseller) may transfer all of their rights and obligations, under an existing, confirmed Parent PTP reservation (MONTHLY or YEARLY) to another MISO Transmission Customer (Assignee) under the MISO Tariff. The Transfer may be for the full or partial capacity of that reservation. Resale reservations may not be Transferred. The Assignee needs to have an executed "Form of Service Agreement for Resale, Reassignment, Transfer" (Attachment A-2 to the Tariff). Requests are initiated in OASIS by the Assignee through submission of a transmission request with REQUEST_TYPE of FULL_TRANSFER or PART_TRANSFER and designation of the Reseller as SELLER.

The following practices apply to FULL TRANSFER Requests:

- The transmission service attributes in the FULL TRANSFER request must exactly match those in the transmission reservation held by the Reseller.
- A FULL TRANSFER request can be completed on OASIS if the request is completed prior to the start date.
- A FULL TRANSFER request where the Start Date is in the past will not be approved in OASIS. Such FULL TRANSFER requests will be processed manually by MISO Interchange and Transmission Services personnel. The Assignee must contact MISO Generation and Interchange (via e-mail: Generation&Interchange-Daystaff@misoenergy.org or phone: 317-249-5524) to arrange the FULL TRANSFER request.

6.13 Transmission Service Profiles

MISO will allow a customer to submit a profile for hourly non-firm Transmission Service and for yearly firm point-to-point and yearly-designated network Transmission Service. All other types of requests shall have the same profile for the whole period being requested so that a customer cannot circumvent the timing requirements in Attachment J of the Tariff by submitting profiles.

6.14 Network Integration Transmission Service

The Transmission Provider will provide NITS pursuant to the applicable terms and conditions contained in the Tariff and Service Agreement. NITS allows the Network Customer to integrate, economically dispatch and regulate its current and planned Network Resources to serve its Network Load in a manner comparable to that in which the Transmission Owners utilize the Transmission System to serve their Native Load or other Network Customers. NITS also may be used by the Network Customer to deliver economy Energy purchases to its Network Load from non-designated Resources on an as-available basis without additional charge. Transmission Service for sales to non-designated Loads will be provided pursuant to the applicable terms and conditions of Module B of the Tariff and/or any applicable ITC Rate Schedule.

Nominations of external Generating Resources to be Network Resources will be processed in a similar manner to point-to-point requests. Shorter-term requests (up to one year) will be analyzed in a flow-based method, while longer-term requests will be analyzed off-line by the MISO Planning personnel.

6.14.1 Initial NITS Registration

6.14.1.1 Required Documents

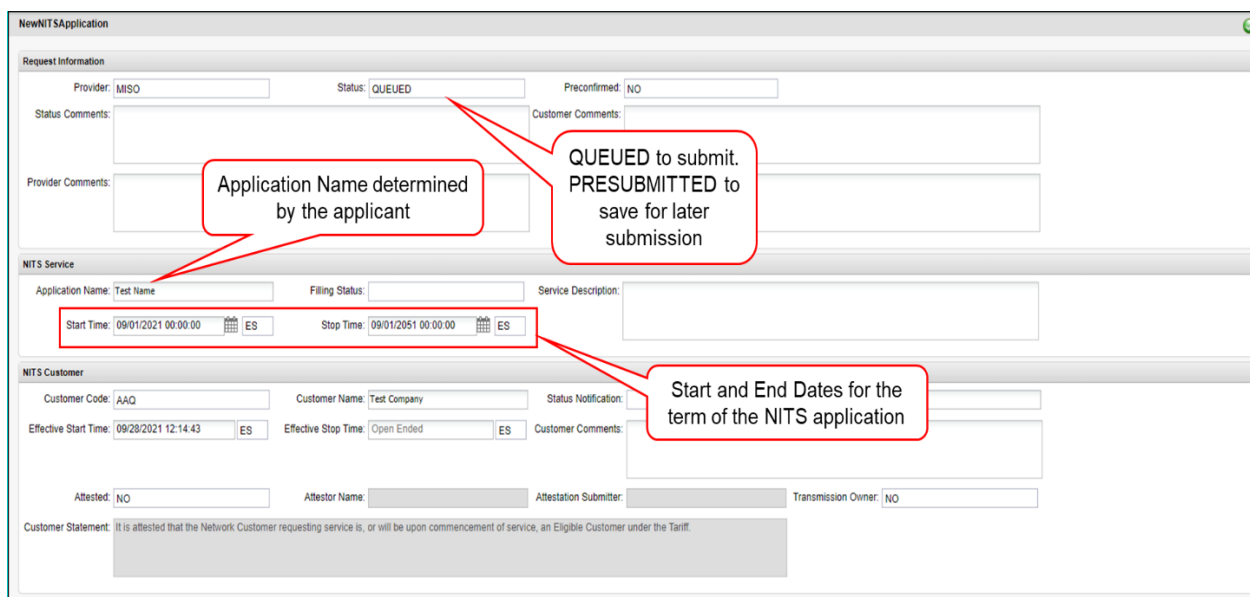
The following documents are required to establish Network Transmission Service with the MISO.

- **Network Application, Network Operating Agreement, and Network Service Agreement** – One per NITS Customer
 - **See BPM 013 Training: “NITS Service Agreements”**
 - For further information on registration for MISO Transmission Services, please see the Market Registration Business Practices Manual BPM-001 Sections 5 Online Application Overview and 6.3.12 MISO Transmission Service Agreement Forms
 - On the Network Operating Agreement form MISO offers all ancillary services offered in “Exhibit E” by selecting the Services in the “From Transmission Provider” column.
- **Network Specification Sheet** – One Spec Sheet per load. A load designation will create a separate transmission settlement for billing.
 - **See BPM 013 Training: “NITS Specification Sheet Guide”**

6.14.1.2 NITS Application on OASIS

Each MISO NITS customer must complete an OASIS NITS Application on OASIS in order to receive MISO Network Transmission. Once a Customer has completed a NITS Application, subsequent NITS Requests will reference this single NITS Application. Prior to submitting a NITS Application request on the OASIS, the request may be in a status of Presubmitted. The MISO will not consider any NITS Application until the status has been set to QUEUED.

- NITS customer determines the Application Name.
- Effective Start time and Stop time are required for the term of the NITS application.



The screenshot shows the 'NewNITSApplication' form with several sections and annotations:

- Request Information:**
 - Provider: MISO
 - Status: QUEUED
 - Preconfirmed: NO
 - Status Comments: (empty)
 - Customer Comments: (empty)
 - Provider Comments: (empty)
- NITS Service:**
 - Application Name: Test Name
 - Filing Status: (empty)
 - Service Description: (empty)
 - Start Time: 09/01/2021 00:00:00 ES
 - Stop Time: 09/01/2051 00:00:00 ES
- NITS Customer:**
 - Customer Code: AAQ
 - Customer Name: Test Company
 - Status Notification: (empty)
 - Effective Start Time: 09/28/2021 12:14:43 ES
 - Effective Stop Time: Open Ended ES
 - Customer Comments: (empty)
- Attestation:**
 - Attested: NO
 - Attestor Name: (empty)
 - Attestation Submitter: (empty)
 - Transmission Owner: NO
- Customer Statement:**

It is attested that the Network Customer requesting service is, or will be upon commencement of service, an Eligible Customer under the Tariff.

Annotations (red boxes with arrows):

- "Application Name determined by the applicant" points to the Application Name field.
- "QUEUED to submit. PRESUBMITTED to save for later submission" points to the Status field.
- "Start and End Dates for the term of the NITS application" points to the Start Time and Stop Time fields.

See BPM 013 Training: "NITS Application on OASIS"

- There are certain NITS Application statuses:
 - **COMPLETED** – MISO has reviewed the NITS Application and all required information is present.
 - **DEFICIENT** – MISO has reviewed the NITS Application and all required information is not present. Deficiencies will be listed, and the customer may correct the request and set the status to REEVALUATE.
 - **REEVALUATE** – Status set by the customer after all deficiencies have been corrected.

6.14.2 NITS Request on OASIS

All requests to modify a NITS Application shall be made on the OASIS using the appropriate template. NITS transmission service is known as Scheduling Rights (SR) on the OASIS. A SR request must be accompanied by a request to designate a Network Resource (DNR) or supported by a previously confirmed DNR. If Scheduling Rights are required, the customer must have at least one defined Network Load associated with their NITS Application on OASIS.

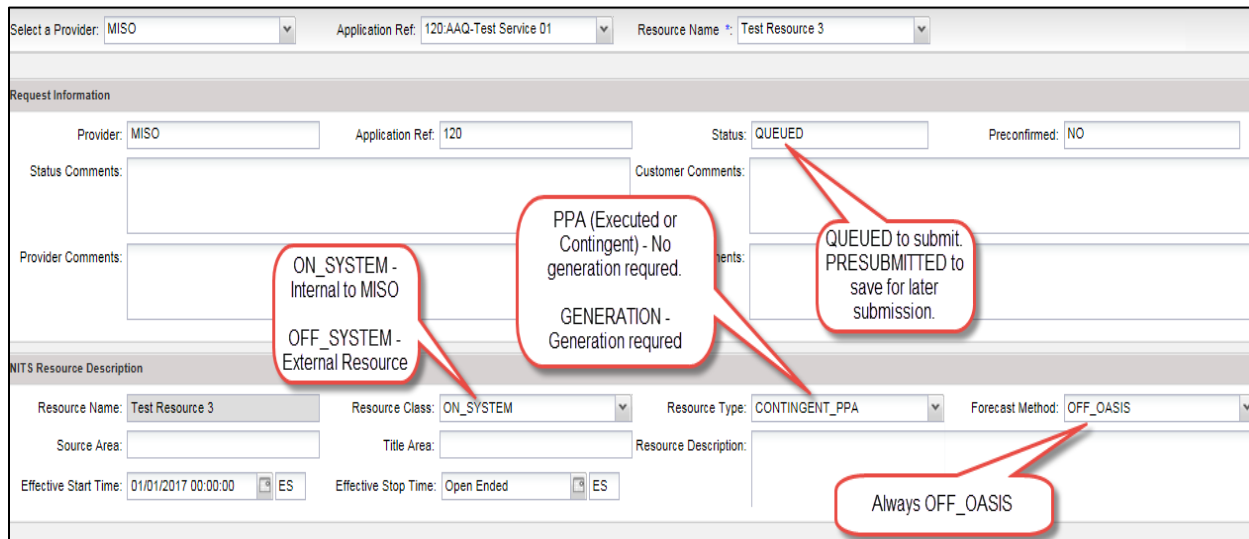
6.14.2.1 Prerequisites to Submit a DNR

Prior to designating a Network Resource, a NITS customer must have at least one defined Network Resource associated with their NITS Application on OASIS. Generation information must be pre-defined and supplied at the time of designation if applicable.

6.14.2.2 Define a NITS Resource

- A list of all defined Network Resources will be available for selection and listed by name when a new DNR request is opened.
- If a "Resource Type" of GENERATION is selected a NITS Generation record will need to be created in order to add a DNR for that Resource.
- If a Resource Type of EXECUTED_PPA is selected no NITS Generation record is required for submittal of the DNR.
- Forecast Reporting is a Module E function and can be found in the Resource Adequacy Business Practice Manual BPM-011 in section 3.2.3. Forecast Reporting.

The submission of forecast information on OASIS is not a requirement for Module B of the OATT.



The screenshot shows the 'NITS Resource Description' form in the MISO system. The form is divided into two main sections: 'Request Information' and 'NITS Resource Description'.

Request Information:

- Provider: MISO
- Application Ref: 120
- Status: QUEUED
- Preconfirmed: NO
- Status Comments: (Empty text area)
- Customer Comments: (Empty text area)
- Provider Comments: (Empty text area)

NITS Resource Description:

- Resource Name: Test Resource 3
- Resource Class: ON_SYSTEM
- Resource Type: CONTINGENT_PPA
- Forecast Method: OFF_OASIS
- Source Area: (Empty text area)
- Title Area: (Empty text area)
- Resource Description: (Empty text area)
- Effective Start Time: 01/01/2017 00:00:00 ES
- Effective Stop Time: Open Ended ES

Callouts:

- ON_SYSTEM - Internal to MISO** (points to Resource Class)
- OFF_SYSTEM - External Resource** (points to Resource Class)
- PPA (Executed or Contingent) - No generation required. GENERATION - Generation required** (points to Resource Type)
- QUEUED to submit. PRESUBMITTED to save for later submission.** (points to Status)
- Always OFF_OASIS** (points to Forecast Method)

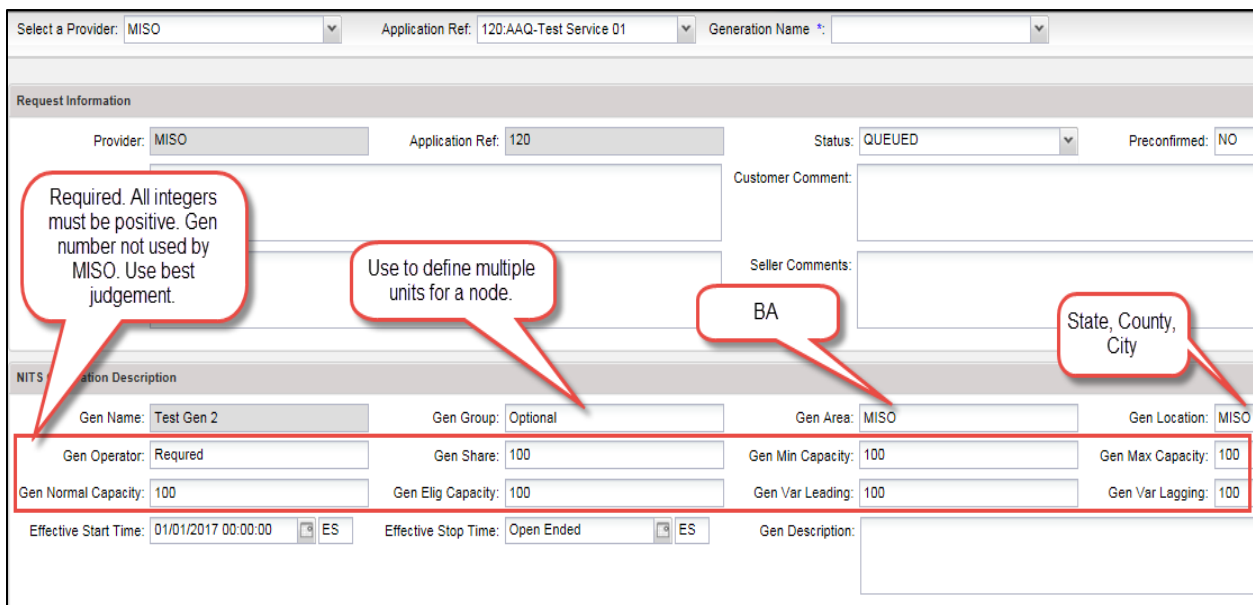
6.15 Managed Encumbrances

A Managed Encumbrance (ME), as defined in NAESB WEQ 000 and discussed in NAESB WEQ 001, with respect to a Pseudo-Tie is an allocation of unconditional Firm PTP or NITS Transmission Service in support of a Pseudo-Tie that is set-aside in part or full and is treated in a manner similar to firm scheduled use of reserved capacity (WEQ 001-26). The Transmission Customer shall submit the ME on OASIS through a Pseudo-Tie ME request (WEQ 001-26.1 & 26.1.3).

See BPM 013 Training: “Managed Encumbrance”

7. Define NITS Generation

- Generator information must be supplied if applicable.
- This is a posting requirement defined in the OASIS Business Practice Standards. MISO does not use the generation data supplied on OASIS for any purpose and posting of generation data to the NITS application does not fulfill any data requirements for any other process.
- The Eligible MWs defined in the Generation Description cannot be exceeded for any time period by the total of all DNRs where the Generation Name is designated as part of a Resource.



The screenshot shows the 'NITS Generation Description' form. At the top, there are dropdowns for 'Select a Provider: MISO', 'Application Ref: 120:AAQ-Test Service 01', and 'Generation Name *'. Below this is the 'Request Information' section with fields for 'Provider: MISO', 'Application Ref: 120', 'Status: QUEUED', and 'Preconfirmed: NO'. There are also 'Customer Comment' and 'Seller Comments' text areas. The 'NITS Generation Description' section contains several fields: 'Gen Name: Test Gen 2', 'Gen Group: Optional', 'Gen Area: MISO', and 'Gen Location: MISO'. A red box highlights the 'Gen Operator: Required', 'Gen Share: 100', 'Gen Min Capacity: 100', 'Gen Max Capacity: 100', 'Gen Normal Capacity: 100', 'Gen Elig Capacity: 100', 'Gen Var Leading: 100', and 'Gen Var Lagging: 100' fields. Callouts provide additional information: 'Required. All integers must be positive. Gen number not used by MISO. Use best judgement.' points to the 'Gen Operator' field; 'Use to define multiple units for a node.' points to the 'Gen Share' field; 'BA' points to the 'Gen Area' field; and 'State, County, City' points to the 'Gen Location' field. At the bottom, there are fields for 'Effective Start Time: 01/01/2017 00:00:00' and 'Effective Stop Time: Open Ended', both with 'ES' checkboxes, and a 'Gen Description' text area.

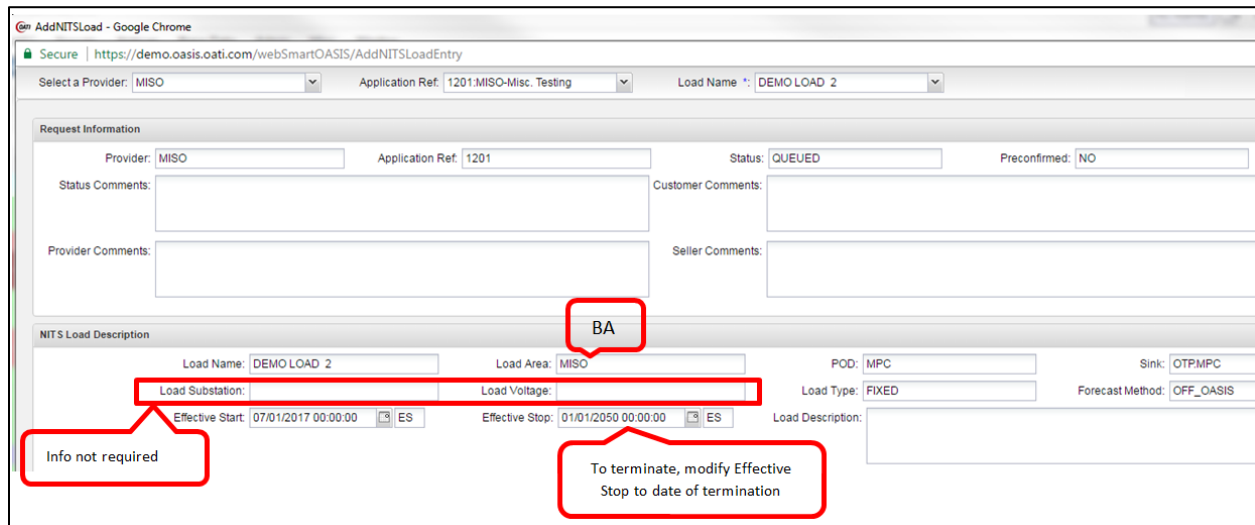
7.1 Designating Resources and Loads

7.1.1 Designate a Network Load

A new load designation can be submitted by selecting Add/modify Load from the New Request icon in either the NITS Request Summary or NITS Application Summary page.

- **See BPM 013 Training: Designate a Network Load**
- All Network Loads must start and stop on the first day of a month at 00:00 EST.
- Any attempt to modify an Effective Start time that occurred in the past will be Refused or set to Deficient.

Once Confirmed, the Load Designation will be used as a reference to settle monthly coincidental peak as reported from the applicable LBA. Selecting Add/Modify Load may also be used to extend or terminate an existing network load designation by modifying the Effective Stop time only.



7.1.2 Designate a Network Resource (DNR)

- See [BPM 013 Training: Add NITS DNR](#)

Designation with or without SRs may be requested using the Add DNR request type. Existing designations may be viewed in the “DNR List” on the OASIS.

- In order for MISO to process the request the DNR must be submitted as QUEUED.
- The “DNR Action” should be “DESIGNATION” unless rollover rights are being exercised.
- Rollover rights may be exercised using the “DNR Action” of “DESIGNATION_EXTENSION”.
- If the Resource Type is Generation then the generator must be specified in “Gen Name”.
- Designation without SRs does not convey transmission service.

7.1.3 Transfer of a Network Resource (DNR) or Load

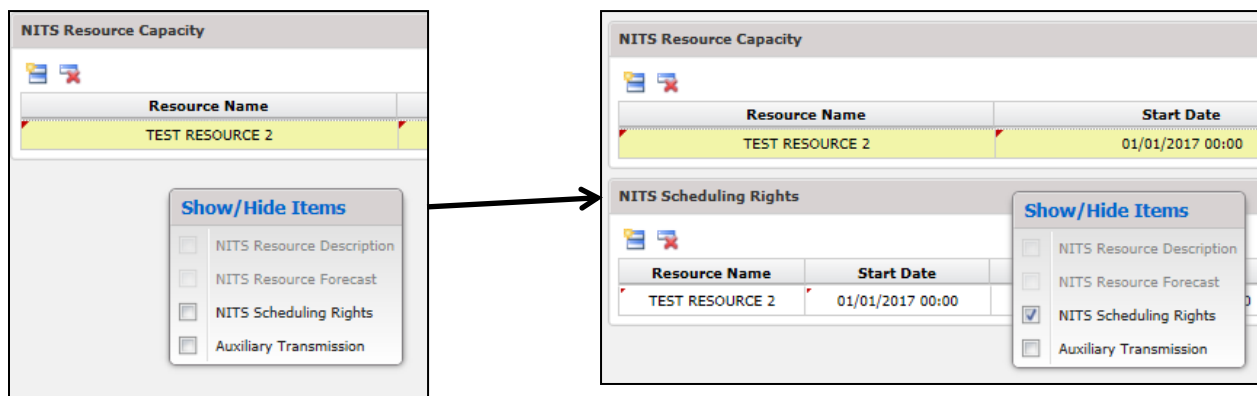
To “transfer” Network Service (a load, DNR, or Scheduling Right) from one MISO Network Customer to another, the Network Customer adding the service will need to coordinate with

Generation & Interchange Day Staff and submit new Network requests on OASIS. G&I Day Staff and MISO Planning will review the OASIS requests and Spec Sheets (if applicable). If approved, MISO will accept the “new” requests in conjunction with the acceptance of Termination requests from the current Network Customer.

8. Adding Scheduling Right to DNR

The NITS Scheduling Rights template is accessed by right clicking anywhere on the DNR template and checking the “NITS Scheduling Rights” box. Existing SRs may be viewed in the “Scheduling Rights List” on the OASIS.

- SRs must be supported by the DNR profile of the request or by existing confirmed DNRs with no associated SRs.
- Submission of the SR template along with the DNR will result in an AFC evaluation and will grant transmission service if CONFIRMED.



8.1 Processing NITS Requests

NITS requests will be processed in the same manner as PTP requests with the following exceptions:

- NITS requests that do not contain SRs will not be subject to queue order processing.
- There are certain NITS specific statuses:
 - **COMPLETED** – MISO has reviewed the NITS request and all required information is present.
 - **DEFICIENT** – MISO has reviewed the NITS request and all required information is not present. Deficiencies will be listed and the customer may correct the request and set the status to REEVALUATE.

- **INVALID** – MISO has reviewed the NITS request and the minimum required information is not present.
- Attachment J timing requirements will be determined by the duration as NITS requests do not contain the SERVICE_INCREMENT field.

8.1.1 Tagging Network Scheduling Right

- **See BPM 013 Training: “Tagging a Network Scheduling Right”**

To tag NITS transmission service the following information must be supplied on the tag:

1. The Asset Owner must be supplied in the Token under Misc. Info. The Token is “ASSETOWNER” and the Value is the Asset Owner Code.
2. E-tag Transmission Allocation NITS Resource – The Resource Name used in OASIS, and must exactly match the NITS Resource on the tag.
3. E-tag Transmission Allocation Product = 7-FN
4. E-tag Transmission Allocation OASIS = Application Ref from OASIS field (4-digit number)
5. E-tag Physical Path Sink = Sink from OASIS

8.1.2 Viewing your NITS Application

- Can be viewed in OASIS, under Transactions -> NITS -> Application Summary by filtering to the Application Ref number or customer code.
- **See BPM 013 Training “NITS Application Detail”**

8.1.2.1 DNR List

- Contains list of Designated Network Resources and their aggregated MW profiles over time.
- Can be viewed in OASIS, under Transactions -> NITS -> DNR List by filtering to the Application Ref number or customer code.
- **See BPM 013 Training “DNR List NITS Application Detail”**

8.1.2.2 Scheduling Right List

- Contains list of NITS Scheduling Rights and their aggregated MW profiles over time.
- Can be viewed in OASIS, under Transactions -> NITS -> Scheduling Rights List by filtering to the Application Ref number or customer code.
- **See BPM 013 Training “Scheduling Rights List NITS Application Detail”**

8.1.3 Terminate a Confirmed Network Resource

Terminate NITS DNR Request with or without SRs may be requested using the Terminate DNR request type. Termination Requests are for the purpose of Undesignating Network Resources on OASIS.

- In order for MISO to process the Terminate DNR request must be submitted as QUEUED.
- The “DNR Action” should be either “TEMPORARY_TERMINATION” or “INDEFINITE_TERMINATION”.
 - TEMPORARY_TERMINATION must specify a start and stop time within the bounds of the active DNR profile.
 - INDEFINITE_TERMINATION will have a stop time equal to the end of the active DNR profile.
- NITS Resource Capacity defines the profile to be terminated without modifying Scheduling Rights
 - If not accompanied by a NITS Scheduling Rights profile, the profile of the termination must not exceed the MW profile of the existing DNR minus all Scheduling Rights
- NITS Scheduling Rights defines the profile to be terminated including termination of the Scheduling Rights.
 - Must be supported by a NITS Resource Capacity profile that is equal to or greater than the NITS Scheduling Rights profile.
- The NITS Scheduling Rights template is accessed by right clicking anywhere on the Terminate NITS DNR template and checking the “Scheduling Rights” box.
- The NITS Resource Capacity field must be displayed prior to right clicking.
- MW values in the Resource Capacity and NITS Scheduling Rights sections of the request must be submitted as negative numbers.

8.1.4 Retail Choice

Wholesale entities serving retail choice customers will be treated on a comparable basis with other wholesale entities. They will be designated as a sink entity just as other wholesale sink entities. For the purpose of evaluating AFC, the impact of transactions to retail choice entities will be considered in the same manner as the response associated with transactions to the LBA Area entity Load (i.e., the same generation movement will be assumed as for the LBA Area entity Load when evaluating impacts on flowgates).



9. Ancillary Services 1 and 2

Ancillary Services 1 (Scheduling, System Control, and Dispatch Service) and 2 (Reactive Supply and Voltage Control from Generation Sources) are mandatory services that must be taken for all service requests. When a request for Transmission Service is made, these two Ancillary Service requests will automatically be generated with the proper price. The Rates for Ancillary Service Schedule 1 are posted on the OASIS.

10. Rollover Rights

Customer with existing Long Term Firm (LTF) transmission service that has been granted rollover rights may renew their Transmission Service indefinitely. Rollover rights may be exercised up to 1 year prior to the end of qualifying LTF transmission service. Any valid request to exercise rollover rights is not subject to AFC evaluation.

All transmission service requests that have a minimum duration of 5 years shall be evaluated for rollover rights. These rights shall be communicated in the study results. For NITS service, each individual request for Scheduling Rights (SR) shall be independently considered for rollover rights. The net SRs displayed on OASIS in the Scheduling Rights List do not reflect any rollover rights that may or may not have been granted.

10.1 PTP Renewals

Rollover rights must have been previously granted to an existing LTF PTP Reservation (parent TSR). In order to exercise their rollover rights the customer must submit a RENEWAL request on the OASIS as follows:

1. The REQUEST_TYPE must be RENEWAL
2. The RELATED_REF field must specify the ARef of the parent TSR
3. MW requested must be equal to or lesser than the MW granted to the parent TSR
4. Any unexercised rollover rights shall remain on the parent TSR
5. Must specify the same source and sink as the parent TSR
6. START_TIME must equal the STOP_TIME of the parent TSR
7. Must be submitted at least one year prior to the STOP_TIME of the parent reservation.
8. Renewal Request must be at least 5 years in length for the request to retain future Rollover Rights.

10.1.1 Subsequent New Requests

If the new request cannot be accommodated, the new customer will have the option of proceeding with an Impact Study to determine any upgrades necessary to accommodate the request under the assumption that prior confirmed LTF service will be rolled over. The need for any upgrades identified will be re-evaluated if renewal right customers do not exercise their rights to rollover their service.

10.1.2 Evaluation or Requests Out of Queue Order

Situations exist where a TSR is analyzed before a higher queued priority competing request if the two requests cover different reservation periods and study time constraints are an issue – i.e., the

later queued request is to start before the earlier queued request and not enough time exists to study the requests in queue priority. An example is if two requests are received and transmission capacity is available for each request in their respective time periods but not available for both transactions to occur simultaneously in subsequent time periods. In the example, the earlier queued request (A) is for yearly service starting in 2012 and the later queued request (B) is for service in 2013. Capacity exists to grant service for the requested time period. However, rollover rights for request B could not be granted given that request A (not yet analyzed) has queue priority and a constraint would result if both reservations were allowed to flow simultaneously. MISO will evaluate the request B rollover period assuming all requests with a higher queue will be confirmed.

10.1.3 Competing Requests

A Rollover Request queued after a competing New Request shall be required to match the term of all previously submitted actively competing (i.e., not previously satisfied through acquisition of capacity held by other Rollover Request customers) New Requests to retain capacity. In order to preserve renewal rights, the Rollover Request customer shall confirm its request for rollover Transmission Service that has been conditionally accepted by the Transmission Provider within the revised confirmation time periods set forth in Attachment J of the Tariff commensurate with the term of service. The condition of acceptance is that the Rollover Request customer may be required to match on term to any earlier-queued competing New Request.

Earlier-queued Rollover Requests shall not compete, on contract term, against later-queued New Requests. Rollover Requests that do not compete on contract term shall be accepted on the terms identified in the Rollover Request customer's Service Agreement and associated specification sheets. Rollover Request customers shall confirm their Rollover Requests in accordance with the timing requirements set forth in Attachment J of the Tariff commensurate with the term of service.

Where an Interface would be fully subscribed if all holders of rollover rights exercised such rights, a New Request shall be denied unless: (i) the New Requestor agrees to a System Impact Study; or (ii) the New Requestor agrees to confirm a conditionally accepted request in order to retain queue priority. To retain queue priority, the New Requestor must confirm its New Request for Transmission Service that has been conditionally accepted by the Transmission Provider within the confirmation time periods set forth in Attachment J of the Tariff commensurate with the term of service. The condition of acceptance is that the New Request is not matched on term by subsequently-queued Rollover Requests.

- The total capacity under New Requests conditionally accepted and confirmed shall not exceed the capacity held by the existing Rollover Request customers.

- All New Requests conditionally accepted and confirmed that are not awarded capacity when the queue is processed shall then be denied.

In the event that a New Requestor does not confirm a conditional acceptance, the New Request shall be eliminated from the queue.

Earlier-queued New Requests shall have the opportunity to compete on term against all subsequently-queued Rollover Requests of a lesser term.

Rollover Requests subject to competition on term shall be processed based on weakest queue position, i.e., the later-queued Rollover Request is the first to be asked to match a new competing request.

A Rollover Request customer shall be required to match the term of any New Request that fulfills all of the following criteria:

- The New Request was queued prior to the Rollover Request
- The New Request has been conditionally accepted by the Transmission Provider and subsequently confirmed by the New Requestor
- The New Request has the same start date as the Rollover Request and extends beyond the end date of the Rollover Request
- The New Request has not already been awarded capacity due to later-queued Rollover Request(s) declining to match on term. The Rollover Request customer shall have three (3) business days to confirm a matching request as per Attachment J of the Tariff. If the Rollover Request customer does not agree to match on term, the Rollover Request customer's capacity shall be awarded to the New Requestor.

Once the Competition Queue is established and if the Transmission Provider receives a competing request for Transmission Service, the Transmission Provider shall notify the Rollover Requestor of such competing request within one (1) business day of the Competition Queue being established. Such notification shall occur on a recorded line of the Transmission Provider to the twenty-four (24) hour point of contact provided by the Transmission Customer in the Rollover Request OASIS reservation. This notification can be made via voice-mail in the event there is not a person available to answer the telephone line at the time of notification.

The next business day after notification is made shall begin the three (3)-business day window provided in Attachment J of the Tariff, within which the Transmission Customer may agree to

match the term of the competing request. In the event the Transmission Customer is no longer obligated to match a competing request, the same notification process shall be followed.

Redirect of service shall not be considered when processing the Competition Queue.

10.2 Network DESIGNATION_EXTENSION

Rollover rights must have been previously granted to an existing NITS request (parent request). This may have been conveyed via a qualifying request for SRs or by a Network TSR (Pre-FERC Order 676-H). In order to exercise their rollover rights the customer must submit a DESIGNATION_EXTENSION request on the OASIS as follows:

1. The request must be submitted via an AddDNR request
2. The DNR Action must be DESIGNATION_EXTENSION
3. MW requested must be equal to or lesser than the MW granted to the parent request.
 - a. Any unexercised rollover rights shall remain on the parent request
4. Must specify the same source and sink as the parent request
5. Must specify the same resource and generation information as the parent request
6. START_TIME must equal the STOP_TIME of the parent request
7. Must be submitted at least **one year prior** to the STOP_TIME of the parent request.
8. DESIGNATION_EXTENSION request must be at least 5 years in length for the request to retain future Rollover Rights.

Note: The parent request does not need to be specified for DESIGNATION_EXTENSIONS



11. Losses

Per sections 15.7 and 28.5 of the Tariff, losses will be handled by customers paying the Marginal Loss component of the Locational Marginal Price (LMP) at the Commercial Pricing Node (CPNode).



12. Emergency Transmission Service

MISO has placed a sub-class of Transmission Service called Emergency Transmission Service, which can be used on an after-the-fact basis to charge for hourly Point-to-Point Transmission Service for Emergency Energy Sharing use. MISO will enter transmission reservations on the MISO OASIS after-the-fact for the purpose of billing the Contingent System receiving the energy.

13. Spot Market Product

MISO's Scheduling Business Practices permit the offering of Energy into the MISO Energy and Operating Reserve Markets at Interfaces to facilitate the scheduling and settlement of such Offers into the market, a non-billable Market Product is available to MISO Market Participants. There are no transmission service rights conveyed with this product, and the product has no associated charges. For further details on the Spot Reservation, see the BPM for Physical Scheduling.

13.1 Spot Characteristics

- Only one per Asset Owner.
- Spot product shows a 1MW capacity only for place-holder purposes, but may be scheduled to any volume.
- Spot path are not defined. Spot may be scheduled to any interface importing to MISO.
- Spot priorities are listed as 6-NN and must be scheduled as such.
- Only to be scheduled to a "MISO" sink and POD, with the exception of the External Asynchronous Resource schedule.



14. Grandfathered Transmission Service and Pre- MISO Tariff Service

Grandfathered Carved-Out transmission has been placed on the MISO OASIS node under a Transmission Owner page. There will be a Transmission Owner page on the MISO node for each of the MISO Transmission Owners. New requests for Transmission Service will not be made on these pages. All new requests for Transmission Service will be made on the MISO Transmission Provider page. The purpose of putting these agreements on the Transmission Owner page is two-fold. First, these agreements will be used in the base models used for ATC calculations. Second, schedules submitted utilizing these agreements will be designated by specifying the particular Transmission Owner on the schedule as the transmission provider and utilizing the appropriate OASIS reference number for schedule validation purposes. Any TSRs submitted to the MISO OASIS page will be treated as the MISO Tariff service, regardless of comments made by customer within the request, and will be settled and invoiced in accordance with the terms of the MISO Tariff and associated BPMs.

15. Transmission Service Overuse Penalty

In the event that a Transmission Customer (including Third-Party Sales by a Transmission Owner) exceeds its firm or non-firm reserved capacity at any POR or POD, the Transmission Customer shall pay a penalty as provided for in the Tariff, and as implemented by the Business Practices Manual for Transmission Settlements. For Interchange transactions, such overuse shall be identified by comparing OASIS reservation capacity to transaction capacity on E-tag or FinSched (Financial Schedule).

To monitor for internal point-to-point transmission use, overuse shall be identified by comparing OASIS reservation capacity to transaction capacity on E-tag and then verifying accuracy of the E-tag against generation and load meter data submitted to MISO by the transmission customer.

Any other Transmission Service overuse identified through means other than the above-mentioned regular monitoring shall also be subject to the above-described penalties, as required by the Tariff. For example, MISO may incidentally discover overuse while reviewing a Transmission Customer's transactions for other purposes. In addition, where general monitoring identifies overuse by a Transmission Customer in a particular month, MISO reserves the right to perform follow-up examinations of that Transmission Customer's usage level in the following month.

15.1 Transmission Service for Dynamic Transfers

Transmission Customers are required to have arranged Transmission Service for the use of the system for Dynamic Interchange Schedules and Pseudo-Ties, as with all Interchange Schedules. Over-utilization of Transmission Service used via Dynamic Transfers is subject to the same charge as for over-utilization of service utilizing static schedules.

16. Electric Storage Resources (ESRs)

An ESR requires Transmission Service when charging. All types and duration of Transmission Service may be utilized, including short-term or long-term NITS, short-term or long-term firm PTP, or short-term Non-Firm PTP. The ESR may qualify for an exemption from transmission charges when charging to provide Regulating Service or Down Ramp Capability. If utilizing NITS, the data reported to MISO for transmission settlements should consider any charging done during peak load to provide a service which will require communication between the Transmission Owner and the Market Participant. To qualify for this exemption using PTP, the Transmission Customer of



the TSR must set the ESR flag to “Y” upon submission. The selected sink node must represent a Commercial Model node that is associated with an ESR unit. After submission, MISO will evaluate whether the TSR qualifies for the transmission charge exemption. If it qualifies, then no further action is required on behalf of the Transmission Customer and transmission charges will be calculated in accordance with BPM 012. If MISO determines that the TSR does not qualify for the ESR exemption, the ESR flag will be overridden to “N”. If it is in a pending status, the TSR will be set to INVALID. If CONFIRMED, the customer may request annulment. MISO will grant or deny such a request at its discretion.