



Manual No. 001

Business Practices Manual

Market Registration



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	requirements for Security Officer and replaced with details on registration with OATI.		
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BPM-001-r4	Updated formatting throughout; updated disclaimer; added steps to request application access; updated modeling information based on updated Network and Commercial Model BPM; added requirements for Aggregators of Retail Customers; removed section discussing Demand Response as details now covered in other asset sections; updated references to Credit Exhibits; updated Attachment B – Notice of Change of Information section; updated Attachment C – Request for MP Termination; added new sections for Station Power and Reactive Power; added additional frequently asked questions	A. Peterson	APR-06-2010
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1 Introduction

This introduction to the Midcontinent Independent System Operator, Inc. (MISO) *Business Practices Manual (BPM) for Market Registration* includes basic information about this BPM and the other MISO BPMs. The second section (Section 1.2) of this Introduction provides information about the MISO BPMs. The third section (Section 1.3) is an introduction to this BPM. The sixth section (Section 1.6) identifies other documents in addition to the BPMs, which can be used by the reader as references when reading this BPM.

1.1 About MISO

On April 1, 2005, MISO began operating a competitive wholesale Energy Market that allowed entities to trade wholesale energy in robust day-ahead and real-time spot Energy Markets. On January 6, 2009, MISO, as a Balancing Authority, began operating a competitive wholesale Energy and Operating Reserve Market that allows entities to trade wholesale Energy and sell Operating Reserve in co-optimized spot Day-Ahead and Real-Time Energy and Operating Reserve Markets. (All of the wholesale Energy and Operating Reserve Market options shall be herein referred to generally as the “Energy and Operating Reserve Market.”)

Prior to the initial market opening on April 1, 2005, MISO served as the coordinator for all Transmission Services in its footprint in the United States and portions of Canada, offering non-discriminatory open-access to transmission lines throughout the region. This footprint encompasses 15 states, one Canadian province, and over 68,000 miles of transmission.

With the opening of the Energy Markets, and the subsequent expansion into the Energy and Operating Reserve Markets, MISO continues to provide Transmission Services as well as market services to entities wishing to engage in transactions through centrally operated Energy and Operating Reserve Markets.

1.2 Purpose of MISO Business Practices Manuals (BPMs)

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.



1.3 Purpose of this Business Practices Manual

The *BPM for Market Registration* focuses on the guidelines, rules, business processes, and the tools used to comply with the Tariff, in addition to describing a Market Participant's (MPs) obligations for Market Registration. It is important for all Applicants to review these MP obligations as described in Section 38.2.5 of the Tariff prior to registering as a MISO MP.

This BPM does not address registration as a MISO Member. Becoming a MISO Member provides opportunity for giving input to MISO on strategic and operational business decisions and is separate from any MP registration activities. For more information on becoming a MISO Member, please refer to the MISO public website: www.misoenergy.org > Home > Engage > Stakeholder Engagement.

MISO prepares and maintains this BPM to facilitate the reliable operation of MISO's region. This BPM conforms and complies with MISO's Tariff and North American Electric Reliability Corporation (NERC) Reliability Standards and is designed to facilitate administration of efficient Energy and Operating Reserve Markets.

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

- Who can register as a MISO MP?
- Why does a company or organization need to register as an MP?
- How does a company or organization register?
- What tools are used for MP registration?
- Where do we go for answers to our registration questions?

1.4 Online Market Participant (MP) Application Introduction

The majority of the application components are completed and submitted via the online tool; however, there are specific legal documents that must be signed, and submitted via the [MISO Help Center](#). The list of documents requiring signatures can be found in Section 6.3: Supporting Application Documents within this BPM.

Completed, signed PDF copies of the legal documents, and submitted online registration documents, should be received by MISO in accordance with the deadlines of the Commercial Model. This will allow new Applicants to be adequately informed and their facilities properly modeled before they participate in MISO as an MP.



Please note if an applicant has not completed the certification process or has been inactive within one year of receipt of the Request for System Access Form, MISO will automatically withdraw the applicant. Multiple notifications will be sent prior to the termination. Upon termination, an email will be sent to the general contact with the following information:

- Confirmation of system access removal
- Re-submission of Request for System Access form. This only applies if the entity desires to pursue becoming a market participant in the future.
- Create a new legal business name. The name must have at least one character change in the name.
- WebRegistry. A new entity code will **be** required. The applicant would need to verify in webRegistry if the entity code previously used is still available.
- Submit a new MP application via the Online Registration Tool.

If you need any assistance completing your online registration application, please contact the Client Services and Readiness Team via the [MISO Help Center](#) or by phone at 866-296-6476, option 3.

1.5 Energy and Operating Reserve Markets Tariff

MISO is responsible for administering the Tariff, which facilitates open markets for Energy and Operating Reserves and open access to the Transmission System within the MISO footprint.

The organizational structure of the Applicant and the type of business it wants to perform will determine the MP's rights and obligations under the Tariff. For additional information on the general rights and responsibilities of an MP, refer to Section 38.2.1 of the Tariff.

It is highly recommended that all Applicants read the relevant parts of the Tariff to best understand the Open Access Transmission, Energy and Operating Reserve Markets, rules, and its associated obligations. While the online registration tool, online registration tool user guide, and this BPM are designed to be informative and assist you through the application process, the Tariff determines the binding rights and obligations of all MPs.

A copy of the Tariff is available on the MISO website: www.misoenergy.org. Go to "Legal" then click the "Tariff" menu item. All documents related to the Tariff are stored within this area of the public website.



1.6 Reference Information

Other reference information related to this BPM includes the following documents:

- ASM ICCP Data Exchange Specification (RTO-SPEC-005)
- BPM-002 Energy and Operating Reserve Markets
- BPM-005 Market Settlements
- BPM-010 Network and Commercial Models
- BPM-011 Resource Adequacy
- BPM-030 Pseudo Tie
- DART MUI Participant XML Specification (RTO-SPEC-001)
- Demand Response Tool User Guide
- Local Security Administrator (LSA) Policy
- Self-Service LSA User Guide
- Corporate Address and Contact Management User Guide
- MISO Open Access Transmission, Energy and Operating Reserve Markets Tariff
- MISO Tariff, Attachment L – Credit Policy
- Online MP Registration Tool User Guide

1.7 Market Communications

MISO uses ICCP data exchange as its primary means of communication with all MPs and Local Balancing Authorities (LBAs). ICCP communications must take place over a dedicated network managed by MISO. This dedicated network is commonly known as the MISO Wide Area Network (WAN).

Upon the successful receipt of the Application, MISO evaluates the need of a WAN for an Energy and Operating Reserve Provider (ORP) and distributes an ORP agreement to the Applicant, if applicable. Upon the successful execution of an ORP agreement (if applicable), the MISO data networking team begins the process of expanding the MISO WAN to the data centers that hosts the Applicant's ICCP servers.

It has been MISO's experience that this WAN expansion can take approximately 6 months to setup. Applicants must be mindful of this lead time while deciding when to begin their registration process. In addition to ICCP, MISO also requires Applicants to demonstrate their ability to receive Backup Market Dispatch messages via XML (Extensible Markup Language), described as XML Notifications in MISO BPMs. In addition to being a back-up source for Real-Time Market Dispatch, XML Notifications are used to communicate both Day-Ahead and Real-Time Market Clearing and



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Pricing, and Resource Commitments (Start and Stops). Please note that Unit Commitments are only sent out via XML and not via ICCP.

For more information on which communications are sent via ICCP and which are sent via XML, please refer to the BPM for Energy and Operating Reserves Markets, RTO-SPEC-001 DART MUI Participant XML Specification, and RTO-SPEC-005 ASM ICCP Data Exchange Specification.

All information regarding Bilateral Transactions, Bids and Offers shall flow only between the MP, or its designated Scheduling Agent, and MISO. Any financial and/or other liabilities that arise out of any disputes related Open Access Transmission, Energy and Operating Reserve Markets shall be the responsibility of the MP.

The MP shall be responsible and liable for ensuring that MISO Setpoint Instructions are followed by operators of Resources that the MP identifies in its Application to support its Offers.

In the course of operations, MISO reserves the right to request permission to communicate directly with the Resource operator, which the MP shall not unreasonably withhold. Only under force majeure or MISO-declared Emergencies, as defined by MISO, shall MISO communicate directly with the Resource operator without first seeking permission from the MP, and such information shall be limited to matters directly related to the force majeure and Emergency circumstances.



2 Market Registration Process

In order to ensure fair, efficient, and competitive markets, MISO requires all entities desiring to participate in the Open Access Transmission, Energy and Operating Reserve Markets to undergo Market Registration and Qualification processes. This section provides an overview of who must register with MISO, along with the tasks that an MP can perform within the Open Access Transmission, Energy and Operating Reserve Markets once they become certified. Section 3 of this BPM will discuss the qualification process, including the steps that an Applicant must take to become a certified MP.

2.1 Description of a Market Participant (MP)

A Market Participant (MP) is a valid legal entity that is qualified, pursuant to criteria and procedures established by MISO, to:

- Submit Bilateral Transactions to MISO;
- Submit Bids to purchase Energy and Operating Reserves, and /or Offers to supply Energy and Operating Reserves in the Day-Ahead and/or Real-Time Energy and Operating Reserve Markets;
- Hold Financial Transmission Rights (FTRs) and submit Bids to purchase, and /or Offers to sell such rights;
- Hold Auction Revenue Rights (ARRs); and
- Settle all payments and charges with MISO.

Only valid Legal entities not otherwise prohibited from market participation by FERC or any appropriate regulatory authority may register as an MP. MISO requires that the Market Participant Name registered with OATI webRegistry, MISO Market Participant Application, as well as all legal documents and agreements must match how the entity is registered with its appropriate Secretary of State.



2.2 Intended Market Activities

During the online application process, the Applicant will need to provide yes/no answers to the following questions which will determine the MP's rights and obligations under the Tariff. These questions will be answered on the Opening Questions tab within the online registration tool and will drive which sections of the online application and supporting documents are required.

As a Market Participant, please indicate your intended activities at the point of initial certification. Please select all that apply.

- A. Submit Virtual Bids and/or Offers and/or participate in Resource Adequacy (Module E-1)
- B. Submit Financial Bilateral Transactions
- C. Register a Resource(s) to submit Offers into the MISO Energy and Operating Reserve Markets
- D. Register a Storage as a Transmission Only Asset (SATO) in the MISO Energy and Operating Reserve Markets
- E. Register a Load Zone(s) to submit Bids into the MISO Energy and Operating Reserve Markets
- F. Register as an Aggregator of Retail Choice Customers (ARC) on behalf of eligible retail customers
- G. Employ the services of a Scheduling Agent
- H. Employ the services of a Meter Data Management Agent
- I. Sell/Bid/Hold Financial Transmission Rights (FTRs)
- J. Apply for the use of MISO Transmission Service (Module B)
- K. Submit Physical Bilateral Transactions or Interchange Schedules

2.3 Who Must Register as a Market Participant in MISO

All users of the FERC jurisdictional transmission facilities in the MISO Footprint are subject to the terms and conditions of the Tariff, including provisions related to the scheduling and settlement of congestion, losses, energy imbalance and Operating Reserve. Any entity that fails to register is ineligible to submit schedules or use the transmission facilities under the Tariff.

MPs can fill all roles or may designate Scheduling, Meter Data and Management, Settlements, and Billing Agents. The MP is financially responsible for all its actions and those of its agents.



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Examples of MPs include:

- An external market buyer who wants to conduct business in the MISO Open Access Transmission, Energy and Operating Reserve Markets needs to register as an MP or designate another entity to act as the MP on its behalf.
- An Aggregator of Retail Customers (ARC) who intends to submit offers for demand response on behalf of eligible retail customers must register as an MP.
- An entity with assets in multiple Local Balancing Authorities (LBAs) can register as a single MP.

A Local Balancing Authority (LBA) or Transmission Owner (TO) must register as an MP if it:

- Owns generation;
- Is responsible for full requirement Loads;
- Owns or holds FTRs; or
- Is serving as a Load Serving Entity (LSE).

An LBA or TO needs to register as an MP if it wishes to:

- Submit Interchange Schedules and Financial Schedules to MISO;
- Submit Bids to purchase Energy and Operating Reserves, and/or Offers to supply Energy and Operating Reserves in the Day-Ahead and Real-Time Energy and Operating Reserve Markets;
- Hold FTRs and submit bids to purchase and sell such rights;
- Hold ARRs; or
- Settle all payments and charges with MISO.

A TO could also choose to designate another entity, such as the merchant department in its company or another company, to act as the MP on its behalf. MPs are responsible for assuring compliance with all FERC and state regulatory standards of conduct applicable to their operations and affiliates.

Generation and Transmission Cooperatives that serve Distribution Cooperatives and other customers at the wholesale level need to register to qualify for MP status in order to submit Bilateral Transactions for their generation and the Load they serve, as well as hold FTRs. In addition, as an MP, they may wish to engage in other types of transactions.

Distribution Cooperatives only need to register to qualify as MPs if they individually wish to engage in market transactions. Otherwise, for all intents and purposes, they are most likely full requirements customers of an electric utility and need not register. In addition, if a full



requirements customer desires to purchase Operating Reserves from the Open Access Transmission, Energy and Operating Reserve Markets or to take other Ancillary Services from MISO, and is not represented by an MP, it must register as an MP.

There is no separate registration process for entities conducting business in States with retail access. Once an entity is an MP, it may transact business in the Open Access Transmission, Energy and Operating Reserve Markets regardless of whether it is serving Load in a retail access state or not.

MPs have the option to register a Generation Resource under a single MP or under multiple MPs if it is a Jointly-Owned unit. For information on how to register a Single-Owned Generation Resource or a Jointly-Owned Generation Resource, please see Section 4.2.3.3 of this BPM or refer to Section 4.2.1.3 of the BPM for Network and Commercial Models.

A Demand Response Resource (DRR) Type I, DRR Type II, Emergency Demand Response, Electric Storage Resource (ESR), or External Asynchronous Resource (EAR) must be registered by a single MP. If one entity owns a Resource, but another controls the Resource, it is up to the two parties to determine who the designated MP is for the Resource.

2.4 Description of Energy and Operating Reserve Market Activities for Certified MPs

MPs will be authorized to engage in the following MISO Open Access Transmission, Energy and Operating Reserve Market activities:

2.4.1 Submit Bilateral Transactions to MISO

An MP may engage in transactions that do not include the Locational Marginal Price (LMP) derived through the Open Access Transmission, Energy and Operating Reserve Markets. An MP may submit Bilateral Transactions, which consist of a quantity (MW) of energy per hour purchased and sold by two entities. Bilateral Transactions are subject to a binding Day-Ahead Transmission Congestion Charge (TCC) and Transmission Losses Charges (TLC), which is the difference between LMPs at locations where the energy transaction originates and terminates. An MP may specify the maximum amount of TCC it is willing to pay above which it is willing to be curtailed. Refer to the *BPM 002 for Energy and Operating Reserve Markets* for additional information.



2.4.2 Submit Bids to Purchase Energy

An MP may submit Demand Bids, External Demand Bids, and Virtual Demand Bids to purchase energy in the Open Access Transmission, Energy and Operating Reserve Markets. Only a MP that represents Load may submit Demand Bids, which may be submitted in the Day-Ahead Energy and Operating Reserve Markets. Virtual Demand Bids are bids to purchase energy in the Day-Ahead Energy and Operating Reserve Market. Demand Bids, External Demand Bids, and Virtual Demand Bids are hourly Bids in which the price and quantity (MW) component may vary per hour. MISO will maintain a list of Zones and Buses at which an MP may submit Demand Bids and Virtual Demand Bids. External Demand Bids are submitted at any external proxy Bus on the boundaries of the MISO Footprint.

2.4.3 Submit Offers to Supply Energy and Operating Reserve

An MP may submit Generation Offers, DRR-Type I Offers, DRR-Type II Offers, Electric Storage Resource (ESR) and EAR Offers to supply Energy and Operating Reserve in the Day-Ahead or Real-Time Energy and Operating Reserve Markets. An MP may submit Virtual Supply Offers and Dispatchable Interchange Schedule Import Schedules to supply Energy in the Day-Ahead Energy and Operating Reserve Market only. Dispatchable Interchange Schedule Import Schedules are Offers at an external proxy Bus on the boundary of the MISO Footprint. Virtual Supply Offers are offers to supply Energy in the Day-Ahead Energy and Operating Reserve Market that are not supported by specific Resources. Refer to the *BPM 002 for Energy and Operating Reserve Markets* for additional information.

2.4.4 Hold Financial Transmission Rights (FTRs) and Auction Revenue Rights (ARRs)

An MP may hold Financial Transmission Rights (FTRs) and may bid to purchase and/or offer to sell such rights. An FTR is a financial instrument that allows the holder to receive compensation for, or requires the holder to pay, certain transmission congestion-related charges. The payment or charge attributed to the FTR Holder is equivalent to the cost of congestion, which is the difference in the marginal congestion component of LMP at the FTR receipt point and the marginal congestion component of LMP at the FTR Delivery Point. The FTR receipt/delivery points identified for the purpose of defining the FTR need not correspond with energy transaction receipt/delivery points. Holders of FTRs will not be required to schedule Transmission Service in order to receive value from the FTR.

Auction Revenue Rights (ARRs) are financial instruments that entitle their holders to a share of the revenue generated in the annual FTR auction. ARRs are initially allocated to MPs based on



firm historical usage of the transmission network. Incremental ARRs may be allocated for Network Upgrades, new and replacement of Network Resources.

Refer to the BPM for Financial Transmission Rights and Auction Revenue Rights for additional information on FTRs and ARRs.

2.4.5 Settle on all Payments and Charges with MISO

Only an MP may settle with MISO on Energy and Operating Reserve Market transactions. The MP shall remain responsible and liable to MISO for all Energy and Operating Reserve Market activities conducted by the MP or the MP's agent(s) on behalf of the MP.

In the settlement of the Day-Ahead Energy and Operating Reserve Market, each MP that purchased Energy shall be charged the Day-Ahead LMP (\$/MWh) applicable at the relevant Load Bus and hour for the quantity (MW) of energy scheduled to be purchased. Bilateral Transactions are settled against the marginal cost of losses and the marginal cost of congestion, based on the difference in the Day-Ahead LMPs at the Energy transaction receipt/delivery points. An MP that is scheduled in the Day-Ahead Energy and Operating Reserve Market to supply Energy shall be paid the Day-Ahead LMP (\$/MWh) at the relevant Bus and hour for the amount of Energy scheduled to be supplied (MW). An MP that is scheduled in the Day-Ahead Energy and Operating Reserve Market to supply Operating Reserve shall be paid the applicable Day-Ahead MCP (\$/MW) at the relevant Bus and hour for the amount of Operating Reserve scheduled to be supplied (MW). Also in the Day-Ahead Energy and Operating Reserve Market, FTR Holders shall receive a payment equivalent to the cost of congestion when there is congestion along the path for which it holds an FTR. When there is congestion in the opposite direction along the path for which it holds an FTR, the FTR Holder shall be charged the value of the cost of congestion.

In the settlement of the Real-Time Energy and Operating Reserve Market, each MP that purchases Energy shall pay (or be paid) the after-the-fact LMP (\$/MWh) at the relevant Bus and hour for quantity (MWh) deviations from Day-Ahead Schedules of Energy purchased. As in the Day-Ahead Energy and Operating Reserve Market, MPs that submit Bilateral Transactions are subject to the marginal cost of losses and the marginal cost of congestion, based on the difference in Real-Time LMP at the energy transaction receipt/delivery points. MPs that supply Energy in the Real-Time Energy and Operating Reserve Market shall be paid (or shall pay) the after-the-fact LMP (\$/MWh) at the relevant Bus and hour for the quantity (MWh) deviations from Day-Ahead Schedules of energy supplied. MPs that supply Operating Reserve in the Real-Time Energy and Operating Reserve Market shall be paid (or shall pay) the applicable after-the-fact MCP (\$/MW) at the relevant bus and hour for the quantity (MW) deviations from Day-Ahead Schedules of



Operating Reserve supplied. FTRs are not settled in the Real-Time Energy and Operating Reserve Market. Refer to the *BPM for Market Settlements* for additional information.

3 Market Participant (MP) Qualification Process

As mentioned in the previous section, MISO requires all entities desiring to participate in the Open Access Transmission, Energy and Operating Reserve Markets to undergo Market Registration and Qualification processes, which are also described in Section 38.2.2 of the Tariff. This section discusses the qualification process, including the steps that an Applicant must take to become a certified MP.

If you have any questions regarding the qualification process, or need assistance in completing the online application, please contact the Client Services and Readiness team via the [MISO Help Center](#).

A user guide for the Online Registration Tool is available under the Documents Section on the [MISO Market Participation](#) webpage. www.misoenergy.org > Home > Markets and Operations > Market Participant Registration.

3.1 MP Qualification Process

The MP Qualification Process has been designed by MISO to prepare eligible MPs to participate in the Open Access Transmission, Energy and Operating Reserve Markets operated by MISO. Ultimately, the MP Qualification Process objectives are to:

1. Provide prospective MPs with the information they need to qualify as MPs and to do business in the Energy and Operating Reserve Markets; and
2. Provide MISO with the information it needs to facilitate and operate the Open Access Transmission, Energy and Operating Reserve Markets.

In preparation to participate in the Open Access Transmission, Energy and Operating Reserve Markets, Applicants must:

- Be a valid legal entity as registered with its appropriate Secretary of State;
- Ensure the entity, as well as any individuals who will be transacting on behalf of the entity, are not otherwise prohibited from market participation by FERC or any appropriate regulatory authority;
- Fulfill the application requirements described in the MISO Tariff, this BPM, and the online registration application;
- Validate the asset/Load modeling information developed by MISO; and
- Demonstrate basic technical and operational market infrastructure connectivity.



3.2 Phases of MP Qualification Process

The MP Qualification Process is comprised of two phases:

1. Applicant creates new case via the [MISO Help Center](#) to become a new MP.
2. Completion of the online application, including submission of required, signed documents; and
3. MP System Development, including verification of assets, both Load and Resource (s).

Completing your online application, along with submitting the signed legal and certification documents via the [MISO Help Center](#) is the first phase of this process. Further details on the application are provided in Section 6 of this BPM. Details on the verification of assets, both generation and Load, can be found in Section 8 of this BPM.

3.2.1 Steps Required in Phase 1

The following is an overview of the steps required in Phase 1:

- Applicant creates a new case in the [MISO Help Center](#) to become a New MP.
- Applicant submits the online application, and all required legal and certification documents in accordance with the Commercial Modeling Topology and Non-Topology timelines.
- MISO reviews the application for completeness and contacts the Applicant if there are any deficiencies.
- If MISO determines that the application is complete, MISO relates assets (if applicable) to the Applicant in Asset Registration Database.

3.2.2 Steps Required in Phase 2

The following is an overview of the steps required in Phase 2:

- Applicant accesses an Asset Confirmation Report via the Asset Registration Tool that identifies the entity and assets (if applicable) registered by the Applicant.
- Applicant reviews Entity/Asset Confirmation Report; if in agreement with the registered data, Applicant completes the process by confirming in the Asset Registration Tool*.
- MISO reviews asset registration including identifying Unclaimed assets.
- MISO resolves Unclaimed assets.
- Credit team ensures Applicant meets credit requirements through the extension of unsecured credit to the Applicant and/or submission of financial security by the Applicant.



* The Entity/Asset confirmation tasks will be completed by the individual who submitted the MP Application. The Client Services and Readiness team will notify this individual once the confirmation window is open.

3.3 Commercial Model Timeline

Opportunities to join in the Open Access Transmission, Energy and Operating Reserve Markets for asset owning and non-asset owning MPs will be in accordance with Commercial Model timelines which allows new Applicants to be adequately informed and have their facilities properly modeled before they participate as MPs. In order to become an MP, an Applicant must complete the MP Qualification Process with MISO by completing the online application, submitting all sections and required documents, and completing the verification of assets by the quarterly Commercial Model deadline.

For example, if an Applicant wanted to become an MP on September 1, then the application is due to the Client Services and Readiness team by June 15. MPs are not to be admitted to the market during any period of time other than these Commercial Model timelines, including Topology and Non-Topology changes.

For more information on upcoming Commercial Model deadlines, refer to the Network and Commercial Model deadlines on the MISO website at www.misoenergy.org > Home > Markets and Operations > Markets and Operations > [Network and Commercial Model Schedule \(Documents section\)](#).

3.4 Candidate Market Participants

Applicants will qualify as Candidate Market Participants (Candidate MPs) once Phase 1 is complete. Candidate MPs will be certified by MISO once both phases have been completed and the Candidate MP meets all certification requirements, including all Credit requirements.

3.5 Form of Market Participant Agreement (Attachment W)

The *Form of Market Participant Agreement* (Attachment W to the Tariff) is a required legal document for all Applicants. All Applicants will be prompted to download and complete this



document as a part of the online application process which is covered in Section 6.3: Supporting Application Documents.

The *Form of MP Agreement* must be executed by one of the following individuals from the MP organization and sent to Client Services and Readiness as a part of the application process:

- *General Contact* as identified in the General Information Section of the online application;
- The contact identified as *Authorized to Execute Market Participant Agreement*, also in the General Information Section of the online application;
- An officer of the company; or
- Mayor of a city or municipality.

After all certification requirements are completed, as determined by MISO in its sole discretion, the Candidate MP could be eligible for Certified MP status corresponding with the Commercial Model timeline. If the Candidate MP has met all certification requirements, MISO will duly execute the *Form of MP Agreement (Attachment W to the Tariff)*, thereby certifying the Candidate MP.

A copy of the counter-signed *Form of MP Agreement* will be sent back to the General Contact of the MP for their records once the Candidate MP is certified.

3.6 Acknowledgement of Certified Market Participant Status

Candidate MPs that are certified by MISO to participate in the Open Access Transmission, Energy and Operating Reserve Markets will receive acknowledgement in the form of a *Welcome Letter*. This information is sent via email to the General Contact as designated in the General Applicant Information section of the online registration application.

The *Welcome Letter* is sent through the [MISO Help Center](#) and will include access information for the Local Security Administrator (LSA), as well as other pertinent information regarding participation in the Open Access Transmission, Energy and Operating Reserve Markets operated by MISO. Receipt of the *Welcome Letter* indicates that Phases 1 and 2 of the MP Qualification Process are complete.



4 Market Participant (MP) Configuration

MP Configuration is a financial representation of the physical Network Model used to facilitate operations and settlement. In the Open Access Transmission, Energy and Operating Reserve Markets, there may be multiple entities that may participate in the Day-Ahead Energy and Operating Reserve Market, Real-Time Energy and Operating Reserve Market, and FTR Market. The Market Registration process defines the relationships between entities in order to allocate charges and credits appropriately.

Please reference the *BPM 010 for Network and Commercial Models* for additional details on how relationships between entities and assets are defined.

4.1 Market Participant (MP) Definitions

For the purposes of the MP Configuration, the MP may be comprised of one, or any combination, of the following entities. Alternatively, an MP may represent any of the entities listed below for the purposes of effectuating market transactions. In either case, the MP is responsible for linking MISO-identified pricing nodes to the market activities in which it shall engage, as related to the business entities identified below.

4.1.1 Transmission Owner (TO)

A TO Member is an entity that owns, leases, or otherwise has a possessory interest in facilities used for the transmission of electric energy in interstate commerce.

4.1.2 Generation Owner (GO)

A GO is an entity that owns, or leases with rights equivalent to ownership, facilities for generation of energy that are located within or are used to supply energy in MISO's market footprint.

4.1.3 Other Marketing Entity (OME)

An OME is an entity that does not own, or lease with rights equivalent to ownership, transmission or generating facilities within the MISO market footprint. Such an entity may only submit virtual Bids and virtual Offers and buy, hold, or sell FTRs in the market.

4.1.4 Load Serving Entity (LSE)

An LSE is any party, including any TO, taking Transmission Service on behalf of wholesale or retail power customers, which has undertaken an obligation to provide or obtain electric energy for end-use customers by statute, franchise, regulatory requirement or contract for Load located within or attached to the Transmission System.



4.2 Commercial Model

The Commercial Model contains information used to identify assets, the owners of the assets, and the Asset Owner's representative MP. It also defines all of the locations where prices are established and can be used for business transactions in MISO markets. The data in the Commercial Model is stored in the following categories:

- Elemental Pricing Nodes (EPNodes)
- Commercial Pricing Nodes (CPNodes)
- Assets
- Asset Owners
- Market Participants (MPs)

The following is a short description of the different pricing node types used by MISO. A more complete description is provided in the *BPM 010 for Network and Commercial Models*.

4.2.1 Elemental Pricing Node (EPNode)

The EPNode is the lowest level of the hierarchy of data in the Commercial Model. EPNodes are directly related to the Network Model. EPNodes can either be Load EPNodes, Generation EPNodes, or Non-injection/Non-withdrawal (NINW) EPNodes.

A Locational Marginal Price (LMP) is calculated at each EPNode. Any Node in the Network Model can have an LMP. The price for generating electricity and consuming it are the primary concerns for Settlements so each generation and load location will have an EPNode associated with the electrical Node where it is connected. NINW EPNodes are created at select locations and may be used in the representation of Hubs, External Interfaces, below threshold generation, and behind-the-meter loads.

EPNode names are established automatically based on LBA, station name, and equipment ID. The three types of EPNodes identified above are defined by a standard Network Model naming convention. Each has a four-part unique name. The convention for each is described as follows:

- **Generation EPNodes** – The letter “U” concatenated with the Energy Management System (EMS) LBA name, the EMS station name, and the EMS Unit ID.

Example: U WECPORTWAS0 PWASH PW1

- **Load EPNodes** – The letter “L” concatenated with the EMS LBA name, the EMS station name, and the EMS Load ID.



Example: L CIN 08OBRIEN LD

- **NINW EPNodes** – The letter “N” concatenated with the EMS LBA name, the EMS station name, and the node ID.

Example: N CWLP EASTDALE 51

4.2.2 Commercial Pricing Node (CPNode)

The CPNode is the next level of the hierarchy of the Commercial Model. Each CPNode consists of a grouping of one or more EPNodes. Market Settlements utilizes the CPNode to calculate the LMPs that are published and used for Settlement.

The standard naming convention for CPNodes is to have the NERC registered LBA acronym followed by a “.” and then an asset name of the MP’s choosing made up of with the rest of the characters. The only two special characters allowed are the dot “.” and the underscore “_”. The CPNode name cannot exceed 14 characters.

A CPNode may be assigned to an asset that is in turn associated with an Asset Owner.

CPNodes are grouped into the following types:

- Generation Resource, including DRR-Type II, Dispatchable Intermittent Resources (DIRs), Electric Storage Resource
- DRR-Type I
- Combined Cycle or Cross Compound Collection
- External Asynchronous Resource (EAR)
- External Pseudo-Tied Generator (PSG)
- Load Zone
- External Interface
- Hub
- External Pseudo-Tied Load
- ARR Zones (Defined as Hub Type)

4.2.2.1 CPNode to EPNode Relationship

The relationship of CPNodes to EPNodes is ultimately used to determine the settlement price for the CPNodes. This relationship involves the association of the MISO Network Model to the Customer Relationship Management and Settlements Systems.



The resource CPNode is for all market Generation Resources, Electric Storage Resources and DRRs-Type II operating within the MISO Market Footprint only. External PSG CPNodes are for generators connected to the MISO Transmission System but Pseudo-Tied to an External Balancing Authority. These three resource type CPNodes have one-to-one relationships to EPNodes.

A Combined Cycle (or Cross Compound) Collection CPNode has a one-to-many relationship with the associated EPNodes.

Load Zone, DRR-Type I, External Interface, Hub, ARR Zone, and External Pseudo-Tie Load CPNodes have one-to-one or one-to-many relationships with EPNodes.

EAR CPNodes have one-to-one relationships with EPNodes.

4.2.3 Asset Definition

Assets, for registration purposes, are physical entities that inject or withdraw Energy and/or supply Operating Reserve within the market area. Assets must be associated with a CPNode. Additional details, including required parameters for registration, can be found in the *BPM for Network and Commercial Models*.

4.2.3.1 Generation

CPNodes representing individual Generation Resources are considered Assets and must be assigned to an Asset Owner. This includes generation resources designated as Dispatchable Intermittent Resources, or DIRs.

A single generation Asset will have one Asset Owner and will be represented for Market Settlements by one CPNode. The CPNode will contain the EPNode that is the direct representation of the generator. Generation Asset Owners may have multiple Generation Resources, each represented by a CPNode.

If an MP wishes to register a Generator that is greater than or equal to 1MW and less than 5MW in the MISO market, it will be modeled in the Commercial Model as a price taker. For each request of this type, a NINW type EPNode will be created in the Commercial Model corresponding to the Electrical Node where this generator will be injecting into the Transmission System. A Load Zone type CPNode will be created to calculate the LMP at this Electrical Node. This CPNode will represent a Load Type Asset in the Commercial Model and that Asset will be associated with an Asset Owner.



4.2.3.2 Dispatchable Intermittent Resources

Dispatchable Intermittent Resources (DIRs) are Generation Resources whose maximum limit is dependent on a forecast of their variable fuel source. Resources that are fueled by wind, solar, or other types of variable energy can be DIRs.

In the Day-Ahead Energy and Operating Reserve Markets, DIRs are treated in the same manner as other Generation Resource types, including the submittal of Economic and Emergency Maximum Limits. In both Day-Ahead and Real-Time Markets, DIRs are eligible for commitment in the same manner as other Generation Resource types, including being considered for Economic commitment.

DIRs are not eligible to provide Operating Reserves to the Day-Ahead or Real-Time Energy and Operating Reserves Markets. For this reason, DIRs do not submit Dispatch Statuses for Regulating, Spinning, On-Line Supplemental, Off-line Supplemental Reserves, or Short-Term Reserve.

For more information on DIRs, please refer to the *BPM 002 for Energy and Operating Reserve Markets*.

4.2.3.3 Jointly Owned Unit (JOU)

A JOU will have multiple Asset Owners. There are two different conditions that determine how a JOU will be handled in the Commercial Model. The CPNode to EPNode relationship will depend on which of the following options are chosen.

- **Single Asset Owner to MISO** – All Asset Owners agree contractually to allow one entity to Offer on behalf of all parties and settle for their shares through Financial Schedules or outside of MISO Energy and Operating Reserve Markets.
- **Pseudo-tie Units** – A different CPNode can represent each portion of the JOU that is owned by a different Asset Owner.

For additional details on modeling a JOU, please refer to the *BPM 010 for Network and Commercial Models*.

4.2.3.4 Combined Cycle Generation

Combined cycle plants have steam turbines that use the exhaust heat produced by one or more combustion turbine units to create the steam for the steam turbine. An EPNode will be assigned to each component unit. The number of component units varies per generator but the aggregate should have at least one steam turbine and one combustion turbine. There will be one CPNode



for each EPNode so that each component unit can be offered individually. One additional CPNode will be established to represent the aggregate of the component EPNodes. CPNodes representing combined cycle aggregates are considered Assets and must be assigned to an Asset Owner. The Asset Owner of the aggregate must also be the Asset Owner of each of the individual component generators.

For additional details on Combined Cycle or Cross Compound Collection, please refer to the *BPM for Network and Commercial Models*.

4.2.3.5 External Asynchronous Resource (EAR)

External Asynchronous Resources (EARs) represent an asynchronous DC tie between the synchronous Eastern Interconnection grid and an asynchronous grid that is represented within the MISO Region through a Fixed Dynamic Interchange Schedule. EARs are located where the asynchronous tie terminates in the synchronous Eastern Interconnection grid. Qualified EARs are eligible to provide Regulating Reserve, Spinning Reserve, Supplemental Reserve, and Short-Term Reserve in addition to Energy.

A special EAR EPNode/CPNode is created that is modeled internal to the MISO Balancing Authority. An EAR CPNode is not the same as an Interface CPNode but may have the same definition as an Interface CPNode.

EAR Fixed Dynamic Interchange Schedules are a special type of Dynamic Interchange Schedule that needs to be specifically linked to an EAR CPNode. The Fixed Dynamic Interchange Schedule is required to provide a mechanism to move EAR Energy into the MISO BA when dispatched. EAR Settlement is based upon the EAR Resource dispatch and not on the Fixed Dynamic Interchange Schedule Energy.

For additional information about the operation and settlement of the EAR, please refer to the *BPM for Energy and Operating Reserve Markets* and the *BPM for Energy Markets Settlements*.

4.2.3.6 Demand Response Resource (DRR) Type I

Customer programs such as industrial interruptible load programs, controlled hot water heater programs, controlled air conditioner programs and load reduction programs registered by Aggregators of Retail Customers (ARCs) can register them as DRR-Type I resource to provide a specific amount of Energy, Contingency Reserve, or off-line Short-Term Reserve into the MISO Market through physical load interruption. Commercial modeling of DRR-Type I is done using a



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special DRR-Type I (DRRNODE1) CPNode. This CPNode is modeled similar to the Load Zone CPNode. The following rules apply to modeling of DRR-Type I resources:

- DRR-Type I resource CPNode can have the same EPNODE relationship as the EPNODEs that make up a Load Zone of a MP or can have relationship with any number of EPNODEs as long as all such EPNODEs are in the same LBA.
- Multiple DRR-Type I CPNodes can be created that are owned by the same MP to represent different Demand Reduction Programs. The Asset Owner can submit offers for target demand reduction through the Market Portal.

For qualification requirements to register a DRR-Type I resources and modeling examples please refer to the *BPM 002 for Energy and Operating Reserve Markets*.



4.2.3.7 Demand Response Resource (DRR) Type II

Behind the meter generators that are capable of receiving electronic (via ICCP) dispatch instructions from MISO can register them as DRR-Type II resources in the MISO Energy and Operating Reserve Market to supply a range of Energy, Operating Reserves and Short-Term Reserve. The Commercial modeling of a DRR-Type II resource is similar to that of modeling the Generator. The following rules apply to modeling of DRR-Type II:

- A single Resource EPNODE/DRR-Type II CPNode representation is used to model a DRR-Type II resource in the Commercial Model.
 - a) If the DRR-Type II is not committed, the net metered output will be used as load consumption for Settlement purposes.
 - b) If the DRR-Type II is committed, the hourly Economic Minimum limit represents the DRR-Type II Load Forecast for Settlement purposes;

For qualification requirements to register a DRR-Type II resources and modeling examples please refer to the *BPM for Energy and Operating Reserve Markets*.

4.2.3.8 Electric Storage Resource (ESR)

Electric Storage Resource (ESR) is defined as a Resource capable of receiving Energy from the Transmission System and storing it for later injection of Energy back to the Transmission System. This definition includes all technologies and/or storage mediums, including but not limited to, batteries, flywheels, compressed air, and pumped hydro.

The location of an ESR may be at any point of grid interconnection, on either the Transmission System or a local distribution system. An ESR must:

- a) be capable of injecting and withdrawing a minimum of 0.1 MW.
- b) Be capable of complying with the Transmission Provider's Setpoint Instructions.
- c) have the appropriate metering equipment installed; and
- d) be physically located within the MISO Balancing Authority Area.
- Distribution ESR's must execute an Attachment HHH prior to submitting information in Model Manager.

For qualification requirements to register an Electric Storage Resource and modeling examples please refer to the *BPM 002 for Energy and Operating Reserve Markets*.



4.2.3.9 Load

EPNode Loads must be aggregated into Load Zone assets and must be associated with an Asset Owner. A Load Zone is represented by a CPNode that contains an aggregate of EPNodes. One EPNode can belong to multiple Load Zone CPNodes with the percent of Node ownership defined for the amount in each Load Zone CPNode. Individually owned loads can also be aggregated in a single Load Zone CPNode.

CPNodes representing Load Zones are considered assets and must be assigned to an Asset Owner. The CPNode to EPNode relationship for these is typically one-to-many except for isolated municipal or industrial load assets that have only one elemental load point in the Network Model.

*Note: Any request to create a Load Zone, including pseudo-tied load, shall have approvals from the LBA(s).

Load Zones are typically defined as dedicated Load Zones (Option 1 described below) or slice of the system (Option 2 described below).

- **Option 1:** Defines a new Load Zone consisting of specific load EPNodes. This approach is typically used for large industrial loads that have long term supply contract relationships and the loads where the supplier is easily identifiable.
- **Option 2:** Define new Load Zones using slice of system. This approach is typically utilized by Market Participants that cannot precisely identify the load EPNodes in advance (e.g. in retail choice states) but still have a requirement to create their own CPNodes for participation in Open Access Transmission, Energy and Operating Reserve Markets. This option produces the same LMP for each CPNode since the constituent EPNodes are the same for each Load Zone. The slice of the system percentages can be adjusted on a quarterly basis, given the adjustment to be uniform across all constituent EPNodes in order to maintain feasibility of previously issued FTRs.

All MPs that participate in the slice definition should coordinate with the corresponding LBA and shall agree to the slice percentages defined by them. MISO will request the LBA to redefine the slice whenever there are additions or terminations to the Load Zones in the slice definition.



Note that adding or terminating Load Zones may change the slice definition of all or many MPs participating in the slice. MPs participating in the slice definition shall be aware that they may need to confirm the changes to the Commercial Model even though they did not request any change.

All Load Zones participating in the Retail Choice program are required to provide the name of the Electric Distribution Company (EDC) at the time of registration.

For additional details on defining Load Zones, please refer to the *BPM 010 for Network and Commercial Models*.

4.2.3.10 Hubs

CPNodes representing the Hubs are not related to any specific Asset Owner. All MPs are allowed to submit Virtual Supply Offers and Virtual Demand Bids at these locations as well as use them as a delivery point for trading. The Hubs have a one-to-many CPNode to EPNode relationship. The weighting factors for each EPNode are established by MISO as equal weighting in HUB LMP calculations.

For additional details on Hubs, please refer to the *BPM 010 for Network and Commercial Models*.



4.2.4 Asset Owners

The next level of the Commercial Model hierarchy represents the Asset Owners. An Asset Owner must represent each Asset. This is the operating entity level where all Bid and Offer data submittals, portal and Extensible Markup Language (XML) security, Settlement Statement aggregation, and Bilateral Transactions are conducted. Asset Owners are commonly referred to as LSEs or Generation Owners but an Asset Owner can own any combination of generation and load. However, not all Asset Owners must have physical Assets of load and generation. The operating entities associated with Bilateral Transactions and FTRs are also considered Asset Owners. All Open Access Transmission, Energy and Operating Reserve Market transactions for generation, load, FTRs and bilateral schedules are settled to the level of the Asset Owners and then invoiced to the MP. Asset Owners must be represented by one MP, but a MP may have multiple Asset Owners. This second entity layer allows for full flexibility for a MP to manage its users' access and to separate internal business units or provide MP services for multiple entities with separate settlements for each.

4.2.5 Market Participant

The MP represents the highest-level data component of the Commercial Model. The MP is the entity that is financially obligated to MISO for Market Settlements. The MP must have associations with at least one Asset Owner. The LSA for the MP is the sole authority responsible to MISO for establishing the security roles for its Asset Owners to submit all operating information.

4.2.6 Common Bus

Common Bus is a single nominal Bus to which two or more resources (Generator, ESR and DRR-Type II) are connected in an electrically equivalent manner when all breakers are placed in their normal status. Multiple resources connected to a single Common Bus are treated as a single resource for compliance monitoring purpose. Common Buses are nominated by an MP during the asset registration process. Each Common Bus nominated by a MP will be checked and verified against the nominal network model with all breakers in their nominal or normal positions that is built during the regular network model update. The accepted Common Bus definitions will be implemented in the Commercial Model and will remain active unless a network model change reconfigures the nominal bus or a MP chooses to terminate it.

For more information on Common Bus implementation details please refer to the *BPM for Market Settlements*.



5 Online Application Overview

The following section describes the online application process including how to request access to the Market Portal as an Applicant.

5.1 Accessing the Online Registration Tool

The Online Registration Tool is accessed through MISO's secure Market Portal and is the sole entry point for all Applicants. In order to obtain access to the Market Portal, an Applicant must complete the following steps:

1. Obtain a Dun & Bradstreet Number (www.dnb.com)
2. Obtain a Digital Certificate from a trusted certificate authority (see section 5.1.2)
3. Register an Entity Code with OATI webRegistry (<https://www.naesbwry.oati.com/NAESBWRY/sys-index.wml>)
 - a) Entity Code cannot exceed four characters
 - b) Registration will require the use of a Digital Certificate
 - c) Entity Legal Name must match what was submitted in Step 5 and should reflect how your Entity is registered with your appropriate Secretary of State
 - d) Entity must be in Approved state
 - e) Entities wishing to become a Market Participant should register as a Purchase / Selling Entity Type (P/SE)

Request access to the Online Registration Tool by completing the [Request for System Access Form](#) and submitting it via the [MISO Help Center](#).

***NOTE:** the individual who completes the [Request for System Access Form](#) is the person responsible for submitting the online application. This individual **must** be listed as a General Contact within the application.

Once the [Request for System Access Form](#) is processed, the Client Services and Readiness team will notify the Applicant that the Online Registration Tool can be accessed via the Portal.

5.1.1 About the NAESB/OATI webRegistry

Please note that registration of an Entity Code with OATI webRegistry is required for all incoming MP Applicants, even those Applicants who may be interested in financial transactions only. This registration must be maintained with OATI webRegistry throughout the duration of Certified MP status with MISO.

Additional details, including User Guides and FAQs, can be found at the following link:



www.naesb.org/weq/weq_eir.asp

For technical support questions, please contact OATI via email (support@oati.net) or phone Monday through Friday, from 8:00 am to 8:00 pm Eastern (763-201-2020). For general questions, please contact NAESB via email (naesb@naesb.org) or phone (713-356-0060).

5.1.2 Obtaining a Digital Certificate

Applicants are required to obtain a client-side digital certificate from a trusted certificate authority. The certificates are listed on MISO's website www.misoenergy.org > Home > Markets and Operations > Market Participant Registration > Registration Process (Become a Market Participant section).

Please ensure you have obtained the appropriate client-side digital certificate. Certificate types such as intermediate certificates will not be accepted



Opening Questions

Please answer the following questions to determine which sections you will be required to complete. When entry is completed, check "I Accept" and click "Save" at the bottom of this screen.

As a Market Participant, please indicate your intended activities at the point of initial certification. Please select all that apply.

Question	Yes	No
A. Submit Virtual Bids/Offers and/or participate in Resource Adequacy (Module E)	<input type="radio"/>	<input type="radio"/>
B. Submit Financial Bilateral Transactions	<input type="radio"/>	<input type="radio"/>
C. Register a Resource(s) to submit Offers into the MISO Energy and Operating Reserve Markets	<input type="radio"/>	<input type="radio"/>
D. Register a Load Zone(s) to submit Bids into the MISO Energy and Operating Reserve Markets	<input type="radio"/>	<input type="radio"/>
E. Register as an Aggregator of Retail Customers (ARC) on behalf of eligible retail customers ?	<input type="radio"/>	<input type="radio"/>
F. Employ the services of a Scheduling Agent	<input type="radio"/>	<input type="radio"/>
G. Employ the services of a Meter Data Management Agent	<input type="radio"/>	<input type="radio"/>
H. Sell/Bid/Hold Financial Transmission Rights (FTRs)	<input type="radio"/>	<input type="radio"/>
I. Apply for the use of MISO Transmission Service (Module B)	<input type="radio"/>	<input type="radio"/>
J. Submit Physical Bilateral Transactions or Interchange Schedules	<input type="radio"/>	<input type="radio"/>

These questions address the intended market activities of the applicant. If you need assistance with this section of the application, please contact MISO's Customer & Asset Registration Services team via email at register@misoenergy.org.

☐ I Accept

5.2 Required Application Sections

Depending on the answers to the Opening Questions listed in Section 2.2, the Applicant will be guided to the next tab in the Online Registration Tool – Required Application Sections. The section names that are displayed on this tab are driven by the responses to the Opening Questions.

From this area of the online application, the Applicant can navigate to each required application section, access the list of required documents that need signatures, view a PDF version of the application, and submit a final version.

The figure below shows the Required Application Sections tab and includes a list of sections and required signature documents contained within the online registration tool. Please note that based on answers to the Opening Questions, the Applicant's screen may look different than the snapshot below. Further details can be found in the *Online MP Registration Tool User Guide*. The user guide is available on the MISO website at www.misoenergy.org Home > Markets and Operations > Market Participant Registration > User Guides (Documents Section) > [Online Market Participant Registration User Guide](#).

Exhibit 5.2.a: Required Applications Sections Tab

Required Application Sections	
SECTION NAME	STATUS
General Applicant Information	Saved
Banking Information	Not Saved
Asset Registration Information	Not Saved
Designated Agents	Not Saved
Credit Section	Saved
MISO Transmission Customer	Not Saved
Contact Information	Not Saved
Eligible Customer Qualification Form	Not Saved
Certificate Representing Agency Relationship Between Applicant and Scheduling and/or Meter Data Management Agent MISO Statutory Page Form of Market Participant Agreement Cash Collateral Agreement W9 - Request for Taxpayer Identification Number Universal Non-Disclosure and Confidentiality Agreement Corporate Guaranty Credit and Security Agreement Letter Of Credit Annual Certification Form Certificate Confirming Fulfillment of Requirements for Applicants Seeking to Participate as Aggregator of Retail Customers (ARC) OATI webOASIS and webTrans Registration Initial Total Potential Exposure Worksheet LOC/CG Primer	
<<<Back to Opening Questions View Application PDF Submit Application	

6 Market Participant (MP) Application

The following section outlines the sections contained in the online application, as well as a description of the required legal documents.

6.1 Overview of the Online Application Sections

Depending on the commercial structure and type of business it will undertake in the Open Access Transmission, Energy and Operating Reserve Markets, an Applicant will be required to submit specific sections of the online application via the Online Registration Tool, as well as sign and return various legal documents to MISO.

Exhibit 6.1.a shows a summary of **all** sections found within the tool. In addition, there are several legal documents, as shown in Exhibit 6.1.b, which must be completed, signed, submitted via the [MISO Help Center](#) to the Client Services and Readiness team by the designated Network and Commercial Model deadlines; **failure to return these documents by stated deadlines will delay processing of your application.**



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The Online Registration Tool will guide the Applicant to complete all necessary documents. MISO requires that all applicable sections of the online application be completed in their entirety. Each section of the online application is further described in Section 6.2: Components of the Application found in this BPM.

Exhibit 6.1.a: Online Application Sections

Sections of Online Registration Tool
General Applicant Information*
Banking Information*
Asset Registration Information
Designated Agents
Credit Section*
MISO Transmission Customer
Contact Information*
Eligible Customer Qualification Form*

*Indicates the section is required for all Applicants

The following is a list of supporting application documents that can be downloaded via the Online Registration Tool. An Applicant will only see the documents required for their organization; all documents displayed for that Applicant must be completed in their entirety and submitted via the [MISO Help Center](#) to the Client Services and Readiness team by stated [Commercial Model deadlines](#).



Exhibit 6.1.b: Supporting Application Documents

Legal Documents – Required for All Applicants
MISO Signatory Page (must be notarized)
Attachment W - Form of Market Participant Agreement
Universal Non-Disclosure and Confidentiality Agreement (UNDA) - sent via DocuSign
Annual Certification and Annual Disclosure Forms

Legal Documents – Variable Legal Documents (based on application)
W8 Certificate of Foreign Status for US Tax Withholding
W9 Request for Taxpayer Identification Number
Transmission Paperwork (only if applicable)
OATI webOASIS and webTrans Registration (Informational)
Short-Term Firm Point-to-Point Service (STF PTP)
Long-Term Firm Point-to-Point Service (LTF PTP)
Non- Firm Point-to-Point Service (NF PTP)
Network Integration Transmission Service (NITS)
Credit (not required at submission of application) Email documents to misocredit@misoenergy.org .
Initial Credit Requirement Worksheet
Security Interest Agreement
Credit and Security Agreement
Cash Collateral Agreement



Legal Documents – Variable Legal Documents (based on application)
Corporate Guaranty
Irrevocable Letter of Credit
Letter of Credit / Corporate Guaranty Primer (Informational)
Master Commercial Model Data Template
Wind and Solar Template
Certificate Representing Relationship between Applicant and Owners of Generation Resource(s)
Certificate Representing Relationship between Applicant and Load Serving Entity or Load
Certificate Representing Agency Relationship between Applicant and Scheduling and/or MDMA
Certificate Representing Relationship between Applicant and Owners of Demand Response Resource(s)
Certificate Confirming Fulfilment of Requirements for Applicants Seeking to Participate as Aggregator of Retail Customers (ARC)
Attachment HHH

6.2 Components of the Online Registration Tool

The following sections provide descriptions of each of the application sections found in the Online Registration Tool. Additional details including screen shots of the forms can be found in the *Online MP Registration Tool User Guide*. You may download a copy from the MISO website at www.misoenergy.org > Home > Markets and Operations > Market Participant Registration > User Guides (Documents Section) > [Online Market Participant Registration User Guide](#).

6.2.1 General Applicant Information

The General Applicant Information Section requires basic Applicant information. All entities applying must be a legal entity registered with an appropriate Secretary of State and have an approved Entity Code registered with the OATI webRegistry at <https://www.naesbwry.oati.com/NAESBWRY/sys-index.wml>. The Applicant's Entity Code and Business Entity Name registered with webRegistry must match what is provided in the application.



If there is a discrepancy, a member of the Client Services and Readiness team will request that the information be updated.

An MP is a legal entity. Applicants do not need to designate one particular person (such as an officer of the company) as the actual MP.

6.2.2 Banking Information

This section will be used to supply account and routing number for variable billing and payment transfers related to services incurred or earned by the Applicant.

For payments made to MISO, entities have the choice to initiate their own Automatic Clearing House (ACH) funds transfers or wire transfers or entities can authorize MISO to initiate automatic debits to their accounts on the invoice due date. Applicants must indicate which option is applicable to their entity.

Additionally, for those participating in the auto-debit program, if the accounts payable disbursement bank account is separate from the revenue distribution deposit bank account, the Applicant can indicate that there will be separate accounts for Credits and Debits and provide bank information for both accounts.

For International applicants or market participants, a US banking account is **only** required if the auto-debit feature is requested.

6.2.3 Asset Registration Information

Applicants who intend to register an Asset in the Commercial Model – Generation, Load, and Demand Response – will be required to complete the Asset Registration Information section. It is recommended that Applicants review BPM 010 – Network and Commercial Model for a full description of all asset types and associated parameters. All assets are required to be added in the Network Model by the 8th of the month during topology deadlines. MISO will only be able to accept Commercial Model templates if the asset is added in the Network Model by the deadline of the 8th of the month during the topology deadline. Refer to the deadlines here: [Network and Commercial Model Update Timeline](#)

For all Commercial Model resources being added by a new Applicant, this section will be required along with a completed Master Commercial Model Template. Information regarding any registered assets is verified during the Asset Confirmation process which occurs as a later phase in the



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qualification process. In order to complete the verification, the Client Services and Readiness team will contact the Applicant's General and/or Authorized Contact to review and confirm their Entity/Asset Confirmation Report (see Section 8 of this BPM for more information). In the event the MP or pending MP is suspended or MISO is unable to reach the General and/or Authorized contact during the Asset Confirmation process, MISO will manually confirm the registered assets on behalf of the MP or pending MP.

Applicants may choose to register any of the following:

- Generator (including DIRs)
- Combined Cycle
- Demand Response Resource – Type I
- Demand Response Resource – Type 2
- External Asynchronous Resource (EAR)
- Load Zone
- Electric Storage Resource
- Storage as Transmission-Only Asset (SATOA)

A Generation Resource, DRR Type I, DRR Type II, ESR or EAR must be registered by a single MP. If one entity owns a Resource, but another controls the Resource, it is up to the two parties to determine who the designated MP is for the Resource.

For full details regarding required parameters to register the above asset types, please refer to Attachment E (Asset Parameters for Commercial Model) of the *BPM 010 for Network and Commercial Models*.

For applicants who intend to become a certified MP and also receive transferred assets from an existing certified MP, please refer to Section 7.4 of this BPM for additional requirements.

If an applicant plans to register a pseudo-tie resource (generation or load), please note that all pseudo-tied resources must also register with OATI webRegistry prior to the effective date of the resource to comply with INT-004R3. For details on how to register a pseudo-tie with webRegistry, please access the following guideline document:

<https://cdn.misoenergy.org/MISO%20Pseudo%20Tie%20Registration%20Guidelines%20for%20webRegistry102811.pdf>



The process for pseudo-tying resources is under review with FERC. Please access the following FERC Order for current details on MISO's process changes.

<https://cdn.misoenergy.org/2018-02-26%20162%20FERC%201%2061,165%20Docket%20No.%20ER17-1061-000;%20001;%20002138034.pdf>

For more information concerning **Types**, **Notification/Approval Timeframes** and **document requirements**, **Registration** and overall **management** of Pseudo Ties, please refer to section 9.6 of this BPM, and *BPM-030 for Pseudo Ties*.

6.2.3.1 Generation

If the Applicant indicated it plans to submit Offers into the MISO Energy and Operating Reserve Market, the Applicant would check this type of resource and complete applicable tabs on the Master Commercial Model template.

It is suggested that the Applicant review posted results for total megawatts tested through the Market Transition Deliverability Test and/or through interconnection request under MISO Generator Interconnection Procedures. This will ensure registered megawatts match MISO studies. To review your interconnection study, go to: www.misoenergy.org > Home > Planning > Generator Interconnection Queue and select the MISO Generator Interconnection Service Workbook (Related Documents section).

6.2.3.1.1. Intermittent vs. Dispatchable Resources

A resource can ONLY register as Intermittent if it meets one of the following scenarios:

1. It is powered by a fuel other than wind;

OR

2. It began commercial operation prior to 4/1/2005;

OR

- a) It has Network Resource Interconnection Service (NRIS) for 100% of its capacity
- b) It has Network Integration Transmission Service (NITS) for 100% of its capacity
- c) It has Long-Term Firm Point-to-Point Transmission Service for 100% of its capacity



- d) It has any combination of a) through c) that sums to 100% of its capacity, without double counting

Please note that once a resource registers as DIR, it is no longer eligible to register as Intermittent, regardless of its status against these exemptions.

In addition, the Applicant must also complete the following legal document certifying the underlying relationship between the Applicant and the entity that owns or holds rights equivalent to ownership of the Generation Resource(s). This legal document will be displayed to the Applicant on the Required Application Sections tab:

- Certificate Representing Relationship between Applicant and Owners of Generation Resource(s) (Section XI)

6.2.3.2 Combined Cycle

If the Applicant intends to register Combined Cycle generation, the Applicant would check this type of resource and complete applicable tabs on the Master Commercial Model template. Note: the Applicant will be required to complete the Generator tab as well as the Combined Cycle tab of the Master Commercial Model template.

For details regarding the required parameters to register Combined Cycle Generation in the Commercial Model, please refer to Attachment E (Asset Parameters for Commercial Model) of the *BPM 010 for Network and Commercial Models*.

In addition, the Applicant must also complete the following legal document certifying the underlying relationship between the Applicant and the entity that owns or holds rights equivalent to ownership of the Generation Resource(s). This legal document will be displayed to the Applicant on the Required Application Sections tab:

- Certificate Representing Relationship between Applicant and Owners of Generation Resource(s) (Section XI).

6.2.3.3 Demand Response Resource – Type I

If the Applicant intends to register a DRR-Type I resource to provide a specific amount of Energy, Contingency Reserve, or off-line Short-Term Reserve into the MISO Market through physical load interruption, the Applicant will check this type of resource and complete applicable tabs on the Master Commercial Model template.



For details regarding the required parameters to register a DRR Type I in the Commercial Model, please refer to Attachment E (Asset Parameters for Commercial Model) of the *BPM 010 for Network and Commercial Models*.

In addition, the Applicant must also complete the following legal document certifying the underlying relationship between the Applicant and the owners of Demand Response Resource(s). This legal document will be displayed to the Applicant on the Required Application Sections tab:

- Certificate Representing Relationship between Applicant and Owners of Demand Response Resource(s) (Section XIX).

For Applicants who register a DRR Type I and plan to become an Aggregator of Retail Customers (ARC), Applicant must also register their Physical Locations in the Demand Response Tool in accordance with the Commercial Model timeline. For more information on ARC registration and the Demand Response Tool, please refer to Section 9.5 and Section 9.5.1 of this BPM.

6.2.3.4 Demand Response Resource – Type II

If the Applicant intends to register a DRR Type II resource to supply a range of Energy, Operating Reserves, and/or Short-Term Reserve the Applicant would check this type of resource and complete applicable tabs on the Master Commercial Model template.

For details regarding the required parameters to register a DRR Type II in the Commercial Model, please refer to Attachment E (Asset Parameters for Commercial Model) of the *BPM for Network and Commercial Models*.

In addition, the Applicant must also complete the following legal document certifying the underlying relationship between the Applicant and the owners of Demand Response Resource(s). This legal document will be displayed to the Applicant on the Required Application Sections tab:

- Certificate Representing Relationship between Applicant and Owners of Demand Response Resource(s) (Section XIX).

For Applicants who register a DRR Type II and plan to become an Aggregator of Retail Customers (ARC), Applicant must also register their Physical Locations in the Demand Response Tool in accordance with the Commercial Model timeline. For more information on ARC registration and the Demand Response Tool, please refer to Section 9.5 and Section 9.5.1 of this BPM.

6.2.3.5 External Asynchronous Resource (EAR)



If an Applicant intends to register an External Asynchronous Resource (EAR) to provide Regulating Reserve, Spinning Reserve, Supplemental Reserve, and Short-Term Reserve in addition to Energy, the Applicant will check this type of resource and complete applicable tabs on the Master Commercial Model template.

Please note that a special EAR EPNode/CPNode is created that is modeled internal to the MISO Balancing Authority. An EAR CPNode is not the same as an Interface CPNode but may have the same definition as an Interface CPNode.

For details regarding the required parameters to register an EAR in the Commercial Model, please refer to Attachment E (Asset Parameters for Commercial Model) of the *BPM for Network and Commercial Models*.

6.2.3.6 Electric Storage Resource

If the Applicant intends to register an Energy Storage Resource to supply a range of Energy, Operating Reserves, and/or Short-Term Reserve the Applicant would check this type of resource and complete applicable tabs on the Master Commercial Model template. An Energy Storage Resource must be registered by a single MP. If one entity owns a Resource, but another controls the Resource, it is up to the two parties to determine who the designated MP is for the Resource.

For details regarding the required parameters to register an ESR in the Commercial Model, please refer to Attachment E (Asset Parameters for Commercial Model) of the *BPM for Network and Commercial Models*.

In addition, if the ESR is located on the Distribution System, the Applicant **must** also complete the following legal document. This legal document will be displayed to the Applicant on the Required Application Sections tab:

- Attachment HHH

6.2.4 Load Zone



If an Applicant indicated it intends to submit Bids to serve Load in the market, the Applicant would check this type of resource and complete applicable tabs on the Master Commercial Model template.

Loads that are served by full requirements contracts should be represented by the contract supplier. Load will typically be settled on an aggregate basis, which is the reason why Load assets are considered Zones. Each MP is settled zonally, using a collection of their nodes. The collection can contain one-to-many EPNodes. Entities may request the creation of Load Zones, as these Zones are used strictly for settlement purposes.

If two entities share the same Load Zone, there should be two Load Zones created and Applicants can assign Load EPNodes to the proper Load Zones. Each Load EPNode can be weighted between entities by percentage of ownership.

Additionally, under the MISO Resource Adequacy construct, all Load Zones participating in a Retail Choice program are required to provide the name of the Electric Distribution Company (EDC) at the time of registration.

For additional details Load Zone identification, please refer to the *BPM for Network and Commercial Models*.

In addition, if Applicant indicates it intends to act on behalf of a Load Serving Entity, it must indicate such on the application and complete the following legal document certifying the underlying relationship between the Applicant and the Load Serving Entity or Load. This legal document will be displayed to the Applicant on the Required Application Sections tab:

- Certificate Representing Relationship between Applicant and Load Serving Entity or Load (Section XII).

6.2.4.1 Aggregator of Retail Customers

If the Applicant indicated it would be registering as an ARC, there is a separate section where the Applicant must choose the type of resource it intends to register: Demand Response Resource – Type I, Demand Response Resource – Type 2, Demand Resource, or Emergency Demand Resource (EDR).



If the Applicant chooses either Demand Response Resource – Type I, Demand Response Resource – Type 2, the Applicant would also complete applicable tabs on the Master Commercial Model template.

If the Applicant chooses Demand Resource (DR), as a Load Modifying Resource (LMR), additional registration steps will be required by the Resource Adequacy team after the Applicant is Certified and has access to the Module E Capacity Tracking Tool (MECT).

If the Applicant chooses Emergency Demand Resource (EDR), additional registration steps will be required after the Applicant is Certified as documented in Section 9.4 of this BPM.

Additionally, the Applicant will be prompted to complete the following legal document displayed on the Required Application Sections tab:

- Certificate Confirming Fulfillment of Requirements for Applicants Seeking to Participate as Aggregator of Retail Customers (ARC) (Section XX).

6.2.5 Designated Agents

If an Applicant intends to designate certain agents to carry out Scheduling and/or Meter Data and Management functions on its behalf, the Applicant must complete the Designated Agents information in the online registration tool.

Depending on answers to the opening questions, the Applicants may see a Scheduling Agent sub-section, Meter Data Management Agent sub-section, or both.

- Scheduling Agent would be completed if the Applicant designates an entity to carry out scheduling functions.
- Meter Data Management Agent would be completed if the Applicant designates an entity to carry out metering services such as data collection and management. In addition to MDMA company information, MISO will also require a primary point of contact for the registered MDMA company.

In addition, Applicant must complete a required legal agreement, which reflects the underlying relationship between the Applicant and the Scheduling Agent and/or the Meter Data and Management Agent. This document will be displayed on the Required Applications Section tab:

- Certificate Representing Agency Relationship between Applicant and Scheduling and/or Meter Data Management Agent (Section XIV).



6.2.6 Credit Application

Pursuant to the Tariff, MISO requires reasonable credit review procedures to be conducted in accordance with standard commercial practices for the purpose of determining the ability of Applicants to meet their financial obligations, including the demonstration of Appropriate Person status as described in 4(c)(3)(F) of the Commodity Exchange Act (CEA). Further details on meeting the Appropriate Person definition are included in Attachment L of the Tariff.

Establishment and maintenance of credit with MISO is subject to the rules and regulations outlined in the MISO Credit Policy, which is Attachment L of the Tariff, which can be accessed via the MISO website at www.misoenergy.org > Home > Legal > Tariff > Attachments > Attachment L – Credit Policy. Please note that information provided by the Applicant is confidential. MISO does not accept Applicant specific confidentiality agreements.

MISO's Credit Department will contact the applicant's billing contacts listed on the Market Participant application to obtain all the pertinent credit documents. . Applicants may contact the MISO Credit Department at misocredit@misoenergy.org if there are any questions regarding the Credit sections or requirements of the Application.

Following receipt of all required Credit information and supplemental documentation, MISO conducts a financial assessment to evaluate an Applicant's financial viability and to determine an appropriate amount of credit limit. In the determination of credit limits, MISO considers rating agency reports, financial conditions as demonstrated by an Applicant's financial information, third party references and/or MISO records of previously conducted business (if deemed necessary), and any other available information.

MISO may determine that supplemental credit support is required from the Applicant prior to qualifying the Applicant as a Candidate MP. MISO contacts the Applicant if the credit review process determines that this financial assurance is necessary. The Applicant may elect to pre-empt MISO's potential requests by providing additional financial assurance with the Application*.

*Note: send any additional Credit Support to the address listed in Section 11: MISO Contact Information section of this BPM.

Following receipt of the Credit sections of the Application in their entirety, the MISO Credit Department reviews and processes the Application. The processing of the credit application does not delay the assignment and verification of assets. The Credit Department contacts the Applicant



should additional information, including financial assurances, be required. Additional time may be required for completion of processing an Application if financial assurances are required.

Please note that MPs are required:

1. No later than one hundred twenty (120) days after the end of each fiscal year, to deliver to MISO its current, audited Financial Statements, including accompanying notes and auditor's report, prepared in accordance with generally accepted accounting principles, and
2. No later than sixty (60) days after the end of each fiscal quarter, to deliver to MISO its current, unaudited quarterly financial statements, including accompanying notes, prepared in accordance with generally accepted accounting principles, if requested.

The sections of the Credit Application are described in the following subsections.

6.2.6.1 Applicant Corporate Information

Data is presented to the Applicant in read-only format and is based on answers to the General Application Information section. It includes Legal Name, Company Address, and Phone.

6.2.6.2 Applicant Line of Business

This section allows the Applicant to indicate a primary "Line of Business," for the Applicant. If the appropriate selection is not available, select "Other."

6.2.6.3 Affiliate Data

This section, "Affiliate Data," requires the Applicant to indicate any Affiliates who are current Tariff Customers or are in process of becoming a MISO Market Participant. An Affiliate is defined as: with respect to a person or entity, any individual, corporation, partnership, firm, joint venture, association, joint-stock company, trust or unincorporated organization, directly or indirectly controlling, controlled by, or under common control with, such person or entity.

If the Applicant has any Affiliates who are current Tariff Customers or are in process of becoming a MISO MP, the Applicant would provide the following:

- Affiliate / Individual Name
- Entity Code (as registered with webRegistry)

6.2.6.4 Bankruptcy

Applicant will indicate if the entity has ever filed for bankruptcy. If so, the year and case number must be provided.



6.2.6.5 Expected MISO Activity

In this section, the Applicant will indicate the expected activity with MISO. MISO will use this information along with the Initial Credit Requirement Worksheet (see Section 6.2.6.10) to arrive at an initial credit requirement that the Applicant will be required to satisfy.

6.2.6.6 Initial Credit Requirement

In this section, the Applicant will indicate how it intends to satisfy the initial credit requirement by selecting from one of the following methods; at least one must be selected. Note that FTR Exposure must be covered by Financial Security (either a Letter of Credit or Cash Collateral) and the level of Unsecured Credit is based on creditworthiness as defined in Attachment L.

- Cash Collateral
- Letter of Credit
- Unsecured Credit Limit
- Corporate Guaranty

A standard MISO Corporate Guaranty and Letter of Credit can be found in Attachment L of the Tariff. If elected or required, the Applicant must use these standard forms. If the Applicant elects to provide cash deposit, the Applicant must contact MISO directly to initiate account set-up and the processing of wire transfer. Refer to Section 11: MISO Contact Information for details.

Please note that the Corporate Guaranty, Exhibit I, is required for Applicants who are the subsidiary of another entity and who would prefer to utilize the consolidated financial statements of the parent company to establish credit with MISO.

6.2.6.7 Minimum Participation Requirements (Informational)

Market Participants must continually meet the following minimum requirements for participation as specified in Section III of Attachment L:

- Annual Certification and Annual Disclosure
- Demonstration of “appropriate person” status as per the Commodity Futures Trading Commission (CFTC)
- Demonstration of Minimum Capitalization
- Satisfaction of eight risk management standards

6.2.6.8 Minimum Capitalization Requirements

In this section, the Applicant will indicate its desired level of service:

- All service categories



- All service categories except FTR(s) with term beyond next calendar month
- All service categories except FTR markets

Based on the service level selection, the Applicant will provide additional information regarding availability of financial statements. Applicants must ensure that any supporting material including financial statements, notes, and auditor's reports, are provided to MISO, if required.

6.2.6.9 Appropriate Person Requirements

All Applicants and Tariff Customers must be an "appropriate person" per section 4(c) (3) of the Commodity Exchange Act. This section will only be displayed for Applicants who have not demonstrated "appropriate person" through Minimum Capitalization requirements found above.

If this section is displayed for your Applicant, please indicate how the Applicant intends to demonstrate "appropriate person" using the selections displayed in the online tool.

6.2.6.10 Initial Credit Requirement Worksheet

Each Applicant will present to Transmission Provider its estimated annual peak load for Network Integration Transmission Service by Point of Delivery and its estimated amount of Reserved Capacity for Point-To-Point Transmission Service by Point of Delivery. This information is identified on the "Initial Credit Requirement Worksheet" which will be presented to all applicants in the Required Documents section. This worksheet can also be downloaded via the MISO public website: www.misoenergy.org > Home > Markets and Operations > Market Participant Registration > Registration Process (Become a Market Participant section) under Number 1 "Minimum Credit Participation Requirements".

The following calculations will be used to determine the initial value of the Total Potential Exposure (TPE) component associated with Energy and Operating Reserve purchases and Energy and Operating Reserve supply needed for credit monitoring purposes:

- For Energy and Operating Reserve purchases exposure, the formula is:
$$\text{Estimated peak load (MWh purchase requirement for a given hour)} \times 600 \text{ hours} \times \text{the average historical Day-Ahead price for the preceding three (3) month period.}$$
- For Energy and Operating Reserve supply exposure, the formula is:
$$\text{Maximum MWh capacity of generating unit(s)} \times 600 \text{ hours} \times \text{the average historical Day-Ahead price for the preceding three (3) months} \times \text{five percent (5\%).}$$

A value of \$47.00 per MWh will be used as the value for the historical Day-Ahead price until



changed. A new value will be calculated and made effective May 1, 2006, and every three (3) months thereafter.

6.2.7 MISO Transmission Customer

Applicants who apply for the use of MISO Transmission Service under Module B of the Tariff and/or submit Physical Bilateral Transactions or Interchange Schedules will be required to complete the MISO Transmission Customer section. Please note there is no additional paperwork for a SPOT IN Transmission Service Reservation (TSR) (energy only import from neighboring Balancing Authority). For more information on SPOT IN please reference BPM 007 Physical Scheduling. Please indicate this as one of your choices on the application. Within this section, your screen may appear different based on how you answered the Opening Questions. For example, if you indicated No to question “J. Submit Physical Bilateral Transactions or Interchange Schedules,” you would NOT see the section that requests you to indicate the type of physical bilateral schedule your entity plans to submit.

It is recommended that you review BPM 007 – Physical Scheduling and BPM 013 – Module B Transmission Service to ensure appropriate selections are indicated regarding service types. Selections will require the completion of additional legal documents that will be displayed in the Required Legal Documents section of the tool.

6.2.8 Contact Information

Contact information is important so MISO may communicate with the appropriate contact(s) of the Applicant. It is the responsibility of the Applicant to ensure all designated contacts have been informed of such designations and are prepared to respond to MISO inquiries as necessary.

The Applicant will be required to register individuals in all Contact Types that are applicable to its intended market activities. Required Contact Types will be denoted on the screen with an asterisk (*). A description of all available contact types is included in Appendix B of this BPM. A few contact types that are required for all Applicants have been described in this section as well.

Applicants only need to identify the individual contacts within the legal entity, as per the application. Various types of application legal documents must be executed by each of the following individuals:

- *General Contact* as identified in the General Information Section of the online application;
- The contact identified as *Authorized to Execute Market Participant Agreement*, also in the General Information Section of the online application;



- An officer of the company applying to become an MP;
- Mayor of a city or municipality.

Please reference each section of the application for specific instructions as to which documents must be executed by the aforementioned individuals.

6.2.8.1 General and Authorized Contacts

The Applicant must ensure that the designated General and Authorized contacts have been informed of their responsibility and are prepared to respond to inquiries from MISO; a description of both contact types can be found below.

- General Contact serves as the main point of contact for MISO. This individual is authorized to submit the Market Participant (MP) application and is also responsible for submitting and signing all legal documents, including the Change Request (Attachment B) in the [MISO Help Center](#) and confirming any registered assets. The individual completing the online application must be listed as a General Contact in this section.
- Authorized Contact is authorized to execute any legal agreements with MISO on behalf of the entity. This individual may also receive inquiries from MISO in the event the General Contact is unavailable.

6.2.8.2 Billing Contact Information

The Applicant must ensure that the designated billing contacts have been informed of their responsibility and are prepared to respond to inquiries from MISO; a description of both contact types can be found below.

- Market Billing Contacts receive remittance advices for Market revenue and quarterly interest payments on their cash collateral. They also are MISO's approved contacts if MISO needs to follow up on payment activity (i.e. late payments). MISO can provide billing information (i.e. invoice copies) only to approved Market Billing Contacts.
- Transmission Billing Contacts receive Transmission invoices, Open Invoice Status Reports, and remittance advices. They also are MISO's approved contacts if MISO needs to follow up on payment activity (i.e. late payments). MISO can provide billing information (i.e. invoice copies, OISRs, etc.) only to the individuals listed as Transmission Billing Contacts.

If you would like more than three (3) people to receive any Market or Transmission billing information, it is recommended that the Applicant create an email alias or email distribution account and register that account with MISO. The Applicant would manage the account on their



side, allowing them to easily add/remove individuals as business needs arise without needing to update contact information with MISO.

6.2.8.3 Credit Contact Information

The Applicant must ensure that the designated credit contacts have been informed of their responsibility and are prepared to respond to inquiries from MISO; a description of both contact types can be found below.

- Primary Credit Contact is responsible for all ongoing communications with MISO related to Credit. This includes, but is not limited to, providing updated, quarterly and annual financial information, notifying MISO of any material changes in status, and submitting a *Change of Information Form* as necessary. In addition, the Primary Credit Contact is the first point of contact for MISO regarding all credit and financial matters.
- Secondary Credit Contact serves as a secondary point of contact for credit related issues if the Primary Credit Contact is unavailable.

Please note any credit contact changes must be made in the Contact Management Tool (CMT) which access is provisioned by the entity's Local Security Administrator (LSA).

6.2.8.4 Local Security Administrator (LSA) Information

Applicants must designate at least (1) Local Security Administrator (LSA) contact. The LSA is responsible for creating and maintaining Portal User accounts for an MP. Each MP is responsible for identifying an individual(s) to perform the LSA function, as Portal User account maintenance is the responsibility of the MP, not MISO.

The Applicant may enter two (2) LSA contacts. It is important to note that the Primary LSA contact will be the main point of contact for MISO should any questions arise regarding LSA accounts. It is recommended to have at least two (2) LSA contacts on file – one primary and one secondary.

The individual that performs the Primary LSA role for the MP will have the ability to establish and manage the access of the employees of their company to all or part of the information available in the MISO Market Systems. Note that if an LSA also wishes to be a Portal User, the LSA must have two digital certificates – one for its LSA account and a separate certificate for any user account.

MPs need to understand the impact that the LSA role has on their company. The LSA has the responsibility of assigning access to MISO Market Systems to individuals whose actions may have a financial impact on their company. When selecting an individual to perform the role of LSA, the responsibility and impact of the role should be factors in the selection process. The LSA is



also responsible for reviewing access on or before April 1st on an annual basis to account for any employee or contractor changes within their company. Employees or contractors that are no longer employed by their company should have their access removed immediately.

The LSA is responsible for establishing Portal User accounts and managing access to the MISO Market Portal and the associated Application Program Interfaces (APIs). The Market Portal encompasses the following market systems:

- Registration and View of Entity and Commercial Model Assets
- Settlements
- Day-Ahead and Real-Time Energy and Operating Reserve Markets System Market User Interface (DART MUI)
- Financial Transmission Right (FTR)
- Auction Revenue Rights (ARR)
- Module E Capacity Tracking (MECT) and Voluntary Capacity Auction (VCA)
- Contingency Reserve Sharing
- Generating Availability Data System (GADS)

Additional information on the LSA role can be found in the *Local Security Administrator Policy and Self-Service LSA User Guide*, which can be located here on the MISO website: www.misoenergy.org > Home > Markets and Operations > Market Participant Registration Policies and User Guides, respectively (Documents section).. These documents describe the responsibility of MISO, as well as the responsibilities of the MP related to LSAs.

6.2.8.5 OASIS Security Officer

Applicants must register its company and Security Officer directly with OATI.

For entities applying to take MISO Transmission Service or who intend to submit physical bilateral transactions/Interchange Schedules, it is suggested that the Applicant follow instructions provided in the following document which will be displayed in the online registration tool:

- OATI webOASIS and webTrans Registration

6.2.9 Eligible Customer Qualification Form

The last section in the online application is the Eligible Customer Qualification Form. The purpose of this statement of eligibility is to ensure that the Applicant is eligible to take Transmission Service as a customer as defined by the Tariff. The Eligible Customer Qualification Form must be completed by all Applicants.



6.3 Supporting Application Documents

The following sections describe the supporting application documents that may be required for Applicants based on their intended Market Activities or application data. There are legal documents that will be required for all applicants while others will vary based on answers to the opening questions and several online sections within the application, specifically the Credit Section. It is recommended that you download your legal documents after you have completed all of the online sections to ensure you have a complete set of required documents to support your application.

An Applicant will only see documents required for their organization; all documents displayed for that Applicant must be completed in their entirety and provided to the Client Services and Readiness team via the [MISO Help Center](#) by stated [Network and Commercial Model deadlines](#).

6.3.1 Credit and Security Agreement

Please note all credit documents should be emailed to misocredit@misoenergy.org.

All Applicants planning to participate in the MISO Market, and securing a credit limit with Letter of Credit, must sign the Credit and Security Agreement, found as a PDF document in the online registration tool. It does not need to be submitted with the application.

By signing the Credit and Security Agreement, Participants agree to promptly disclose to MISO, among other things, any material changes in financial status, downgrades to below investment grade rating of any debt instrument, any pending lawsuits that could materially adversely impact financial results, and to comply with other terms and conditions under which MISO conducts all credit related procedures. Refer to the Credit Policy Guide, which can be found at www.misoenergy.org > Home > Legal > Tariff > Attachments > Attachment L – Credit Policy.

The Credit and Security Agreement must be completed, signed and returned to MISO Credit via email at misocredit@misoenergy.org.

6.3.2 Exhibit I: Corporate Guaranty

Exhibit I in Attachment L of the Tariff provides the standard, acceptable format for the Corporate Guaranty. The Corporate Guaranty is required for Applicants who are the subsidiary of another

entity and who would prefer to utilize the consolidated financial statements of the parent company to establish credit.

A Corporate Guaranty may be accepted from a Guarantor that is organized under the laws of a jurisdiction within the United States or Canada (Non-Foreign Guarantor) or a Guarantor that is organized under the laws of a jurisdiction outside of the United States or Canada (Foreign Guarantor). Through this financial instrument, the parent company or other Affiliate of the Applicant guarantees all the liabilities of the Applicant.

In addition, MISO may require the completion of a Corporate Guaranty if it finds that additional financial assurances are required prior to the Applicant's participation in the market. Should this occur, MISO informs the Applicant of the need to complete this document. The Guarantor is subject to the same financial review procedures as MISO MP Applicants.

The Corporate Guaranty also includes a Secretary's Certificate of Directors' Resolutions and a Resolution of the Board of Directors. Executed copies of the Secretary's Certificate of Directors' Resolutions and the Resolution of the Board of Directors must be provided at the time of Corporate Guaranty submission.

The Corporate Guaranty must be printed, completed, signed and returned to MISO via mail to the address provided in Section 11: MISO Contact Information of this BPM. Please ensure that all three components of the Corporate Guaranty, as listed below, are completed and returned should the Applicant either elect or be required to utilize the Corporate Guaranty.

- Actual Corporate Guaranty
- Secretary's Certificate of Directors' Resolutions
- Resolution of the Board of Directors

If your entity is organized under the laws of a jurisdiction outside of the United States or Canada (Foreign Guarantor), please contact the Credit department for a copy of the Foreign Corporate Guaranty.

6.3.3 Exhibit II: Irrevocable Letter of Credit

An Irrevocable Letter of Credit, in the amount acceptable to MISO, may be submitted as a form of financial assurance. Exhibit II in Attachment L of the Tariff is the standard, acceptable format for the Letter of Credit. The Letter of Credit may be required if MISO's credit assessment determines that the Applicant is in need of financial assurance prior to market participation. Should this occur, the Applicant is informed by MISO of the need to provide financial assurance. The Applicant may preempt this potential request and include a Letter of Credit with the Credit



Application. If required or included in the Application, the Letter of Credit must be printed, completed, signed and returned to MISO via mail to the address provided in Section 11: MISO Contact Information of this BPM.

Note that the Credit and Security Agreement document must accompany the Letter of Credit.

6.3.4 Exhibit III: Cash Collateral Agreement

All Applicants planning to participate in the MISO Market, and securing a credit limit with a cash deposit, must sign the Cash Collateral Agreement, found as a PDF document in the online registration tool. This document does not need to be submitted at the time of the application. Please email the document to misocredit@misoenergy.org.

A Cash Deposit in an amount determined by MISO may serve as a form of Financial Security. The initial Cash Deposit must be accompanied by execution and delivery of a “Cash Collateral Agreement.” Exhibit III in Attachment L of the Tariff is the standard, acceptable format for the Cash Collateral Agreement. MISO may amend the forms of agreement from time to time, either generally or on a case-by-case basis.

If required or included in the Application, the Cash Collateral Agreement must be completed, signed and returned to MISO via email to misocredit@misoenergy.org, the address provided in Section 11: MISO Contact Information of this BPM.

6.3.5 Certificate Representing Relationship between Applicant and Owners of Generation Resource(s)

This legal document (Section XI) certifies the underlying relationship between the Applicant or MP and the entity that owns or holds rights equivalent to ownership of the Generation Resource(s) and is necessary if the Applicant intends to submit offers of that Generation Resource in the MISO Open Access Transmission, Energy and Operating Reserve Markets. Rights equivalent to ownership refers to an entity that leases a Generation Resource and controls its output. With respect to the addition of new assets or changes to existing assets, this document must be submitted in Model Manager, along with the addition or change, before the Commercial Model due date, or the requested addition or change will not be processed. Applicants registering new assets should submit this along with their Master Commercial Model template. This section is also required if transferring generation from one MP to another MP.



6.3.6 Certificate Representing Relationship between Applicant and Load Serving Entity or Load

Applicants are required to complete the Certificate Representing Relationship between Applicant or MP and LSE document (Section XII) as proof of the relationship between the Applicant and the LSE. An LSE or municipal that is a full requirements customer of an electric utility need not register or participate in the market. However, if an Applicant buys power in the wholesale market and arranges for Transmission Service to deliver that power, the Applicant, at a minimum, needs to submit Physical and Financial Bilateral Transactions Schedules. This is because all transactions are subject to congestion and marginal loss charges. In addition, an entity must be an MP in order to hold FTRs or ARRs. In addition, if a full requirement customer will take Ancillary Services from MISO and is not represented by an MP, they must register as an MP. With respect to the addition of new assets or changes to existing assets, this document must be submitted in Model Manager, along with the addition or change, before the Commercial Model due date, or the requested addition or change will not be processed. Applicants registering new assets should submit this along with their Master Commercial Model template. This section is also required if transferring Load from one MP to another MP.

6.3.7 Certificate Representing Agency Relationship between Applicant and Scheduling and/or Meter Data Management Agent

Complete this legal document as proof of the relationship between the Applicant or MP and the Scheduling Agent and/or Meter Data Management Agent (Section XIV). The Meter Data Management Agent (MDMA) and the Scheduling Agent (SA) provide MISO with information on behalf of the MP. Meter Data Management Agents or Scheduling Agents must be designated when completing the Market Registration application. However, the MP can designate itself as the MDMA and is not required to have a Scheduling Agent, since it can schedule itself. In states where choice of metering entities is not permitted, the pre-ASM Balancing Authority Operator that currently performs the metering function continues to do so after the initiation of the Open Access Transmission, Energy and Operating Reserve Markets. With respect to the addition of new assets or changes to existing assets, this document must be submitted in Model Manager, along with the addition or change, before the Commercial Model due date, or the requested addition or change will not be processed. Applicants registering new assets should submit this along with their Master Commercial Model template via the [MISO Help Center](#) . This section is also required if updating Scheduling Agents or Meter Data Management Agents for existing MPs.



The MP, not the SA/MDMA, must complete this section. The MP registers and completes this document, designating the SA/MDMA. When an MP designates a SA/MDMA, MISO works directly with the SA/MDMA as designated agent. However, the MP is ultimately responsible for any of the SA/MDMA's actions and responsibilities.

An organization can register to be an MP while simultaneously serving as another organization's (who must also register as an MP) Scheduling Agent or Meter Data Management Agent.

6.3.8 Certificate Representing Relationship between Applicant and Owners of Demand Response Resource(s)

Applicants are required to complete this legal document (Section XIX) as proof of the relationship between the Applicant or MP and the owners of Demand Response Resource(s). Completion of this section is necessary if the Applicant intends to utilize the DRR Asset(s) for the purpose of supporting DRR Type I or DRR Type II Offers in the Open Access Transmission, Energy and Operating Reserve Markets. With respect to the addition of new assets or changes to existing assets, this document must be submitted in Model Manager, along with the addition or change, before the Commercial Model due date, or the requested addition or change will not be processed. Applicants registering new assets should submit this along with their Master Commercial Model template.

6.3.9 Certificate Confirming Fulfillment of Requirements for Applicants Seeking to Participate as Aggregator of Retail Customers (ARC)

Applicants or existing MPs seeking to register as an ARC are required to complete this legal document (Section XX) as proof that the Applicant meets Relevant Electric Retail Regulatory Authority (RERRA) laws, regulations, or orders regarding participation in MISO's Energy and Operating Reserve Markets. With respect to the addition of new assets or changes to existing assets, this document must be submitted in Model Manager, along with the addition or change, before the Commercial Model due date, or the requested addition or change will not be processed. Applicants registering new assets in the Commercial Model should submit this along with their Master Commercial Model template. This form is also required for Emergency Demand Resources and should be submitted via the [MISO Help Center](#).



6.3.10 MISO Signatory Page

All Applicants are required to complete the MISO Signatory Page. Please note that notarization is required for this page. The Signatory Page must be signed, notarized and returned via email to the address provided in Section 11: MISO Contact Information, of this BPM.

6.3.11 MISO Transmission Service Agreement Forms

An MP requesting Transmission Service from MISO will need to complete the forms applicable to each type of service they need to request. There are four (4) types of service available to Applicants. Those are:

1. Non-Firm Point-to-Point Transmission Service
2. Short-Term Firm Point-to-Point Transmission Service
3. Long-Term Firm Point-to-Point Transmission Service
4. Network Integration Transmission Service

All types of service involve completion of the Application for Service and Service Agreement. Please complete both of these documents for all types of service as these are both umbrella agreements. Please sign two (2) copies of the Service Agreement(s). One copy will be signed by MISO and sent back to the Applicant for its records.

The Service Agreement forms must be completed, signed, and returned via the [MISO Help Center](#). The Service Agreement forms are in a different format from the rest of the application to comply with FERC formatting regulations.

The Short-Term Firm Point-to-Point Transmission Service Agreement, Long-Term Firm Point-to-Point Transmission Service Agreement, and the Network Integration Transmission Service Agreement also include the transaction specification sheet, which must be completed for each transaction at the time the Transmission Service is requested.

The transaction specification form for Short-Term Firm Point-to-Point Transmission Service will only need to be completed if the Applicant is notified by MISO that System Impact Studies or Direct Assignment Charges are necessary. There is an optional attachment for Wholesale Distribution Service available in the Network Service section.



The information requested on these forms may overlap with previous sections of the registration application. However, this information is required by FERC and must be completed in the format of the Service Agreement forms in order to begin work with MISO.

6.3.12 Request for Taxpayer Identification

Depending on the location of the Applicant's legal entity, one of the following forms is required:

- W9 Request for Taxpayer Identification Number
- W8 Certificate of Foreign Status for US Tax Withholding

6.3.13 Universal Non-Disclosure and Confidentiality Agreement (NDA)

The Universal Non-Disclosure and Confidentiality Agreement (NDA) replaces many other non-disclosure agreements used in the past by MISO. These include non-disclosure agreements for electric system security data, extranet access, finance subcommittee, MAPP-related electric system security data, and power system planning information.

As part of the certification process, each Applicant must complete and submit an executed NDA in accordance with the instructions below. MISO will not be able to complete the certification process until an executed UNDA is on file.

In order to properly execute MISO's Universal NDA, each signing organization is required to identify a General Contact, an Authorized Contact, an Officer of the Company, or Mayor of a city or municipality who will be responsible for executing the Universal NDA and apprising MISO of any changes regarding its company's employees and their respective status under the Universal NDA. A designated compliance officer may also update the UNDA provided the General or Authorized contact has provided written notification of such designation to MISO. Such updates include termination, addition, deletion or modification of employees who require access under the Universal NDA.

At least one individual person must be listed on the Appendix A. A new Appendix A needs to be completed and sent to MISO each time employees are either added or deleted. The actual Universal NDA will not need to be resigned. Appendix A, however, does need to be updated to reflect the current, accurate listing of those individuals within a company that require access to the different materials covered by the Universal NDA. Any employee whose name does not appear on the most recently submitted Appendix A will have their access revoked. Appendix A contains a place to designate whether the employee is "transmission" or "market." This information is necessary to ensure that employees are granted the proper access so no unauthorized communication of privileged information occurs.



6.3.14 Annual Certification Form

All applicants must provide the Annual Certification form prior to certification, available via the online registration tool. The form must be executed by a duly authorized officer. The applicant certifies that it meets the Minimum Participation Requirements related to Training, Risk Management, Operational Capabilities, Appropriate Person, and Capitalization through execution of the form. The Minimum Participation Requirements are set forth in Exhibit VI and Section III of Attachment L.

Subsequent Annual Certification forms must be submitted to the credit department in acceptable form on an annual basis. The deadlines for annual submission are specified in Attachment L of the Tariff. Failure to provide an executed Annual Certification in a form acceptable to the Transmission Provider and by the specified deadlines may result in a Default under the Tariff.

6.4 Additional Application Details and Responsibilities

The following sections outline additional application details and responsibilities as they relate to the application to become an MP.

6.4.1 Confidentiality Provisions

The Applicant agrees to provide MISO with all confidential and/or proprietary information (Confidential Information) that is reasonably needed to determine the Applicant's eligibility as an MP. MISO does not release any Confidential Information to any party without reasonable prior notice to, and written consent by, the Applicant, or as otherwise required or authorized by the Tariff. MISO shall treat Confidential Information consistent with the Standards of Conduct contained in Part 37 of the Federal Energy Regulatory Commission's (FERC) regulations, and the confidentiality provisions of the Tariff.

6.4.2 Duty to Notify MISO of Any Change(s) in Information Contained in Application

The Applicant agrees to notify MISO within a reasonable time of any change(s) in the information contained in the MP Application submitted by the Applicant. This duty continues to apply even after the Applicant obtains Candidate MP status. MISO reserves the right to reevaluate the Applicant in light of the new information. Applicant's failure to promptly notify MISO of a change



in information may result in termination of the MP Qualification Process or revocation of Candidate MP status. Please review Section 7 of this BPM for more information on submitting change of information requests.

6.4.3 Terminating an Application

If an Applicant chooses to terminate an application that is in process or has been previously submitted (prior to certification as an MP), please notify the Client Services and Readiness team via the [MISO Help Center](#). Refer to Section 10 of this BPM for detailed instructions on the termination process.

Please note that should the Applicant wish to resume the application process after an application has been terminated, the Applicant will be required to register a new Entity Code with the OATI WebRegistry and restart the application process.

The process to terminate Market Participant status (once the Applicant has been certified) is discussed in Section 10: Terminating Market Participant Status of this BPM.

7 Notice of Change of Information

It is the responsibility of the Applicant and all Certified MPs to ensure all data provided is kept current and that any change(s) to such data is submitted to MISO. For an Applicant, failure to promptly notify MISO of a change in information contained in the application may result in termination of the MP Qualification Process or revocation of Candidate MP status.

Once certified, it is important to submit any information changes in accordance with stated deadlines. Failure to notify MISO of a change in information within stated deadlines may result in the change not being implemented within the requested timeframe. For example, if a requested information change is needed for the next Commercial Model update; those changes must be submitted in accordance with the [Network and Commercial Model Update](#) Timeline. Any new assets being registered will need to be in the Network Model by the 8th day of the Month of the Topology deadline.

All Applicants who need to update, amend, and/or correct any information previously submitted to MISO must create a case in the MISO Help Center and submit a Change Request case – (formerly Attachment B). Some changes may require the applicant to withdraw and resubmit the application at the next Commercial Model due date. Certified MPs who need to update, amend, and/or correct any information previously submitted to MISO must create a Change Request case



(formerly *Attachment B*) in the MISO Help Center. The request must be executed by one of the following individuals:

- [General Contact](#) as identified in the General Information Section of the online application;
- The contact identified as *Authorized to Execute Market Participant Agreement*, also in the General Information Section of the online application;
- An officer of the company or mayor of a municipality/city utility;
- Mayor of a city or municipality.

Please Note: when submitting a case in the [MISO Help Center](#) with a Category of “Change Request”, it is required to include the Entity Code of the MP or Applicant. This Entity Code can be found at the OATI webRegistry; please note the Entity Code is not the same as the desk code or role-code pair or a NERC ID (NCR#) as registered with the North American Electric Reliability Corporation.

7.1 Types of Changes

Information to be changed usually includes one of the following categories:

- General Contact, Authorized Representative, or any other type of contact with your company – *Submit Changes in the Contact Management Tool*
- Billing, Banking or Wire Transfer Information
 - a) Submit changes in the Contact Management Tool
 - b) Note: such changes may take up to 2 weeks to be reflected in MISO systems.
- Updated Generation/Resource Registration/Combined Cycle – *Submit Updates in Model Manager*
- Updated Load Zone Identification – *Submit Updates in Model Manager*
- Updated Local Security Administrator Information – *Submit changes via the MISO Help Center*
- Legal Name Change (only applies to Certified MPs)



- a) If an MP is updating its legal name, the MP must provide Secretary of State documentation or Certificate of Amendment (Canada) showing the new legal name
- b) New W-9 (inside US) or W-8 (outside US)
- c) Updated legal name in OATI webRegistry
- d) All of the above should be submitted via the [MISO Help Center](#).
- e) *After submitting all of the above documents in the [MISO Help Center](#), the changes should be updated in Model Manager.*

*Please note that the change to the legal name will not be reflected in MISO's systems immediately. The update to the legal name would be reflected in the next Commercial Model update cycle.

- Credit Information – *Additional documentation will only be required if requested by the Credit Department.*
- URLs
 - a) The Market Portal allows MPs to manage their Day-Ahead Real-Time (DART) Notification Listener URLs
 - b) Located on the Production Market Portal select Launch MUI 2.0 on the Market User Interface (MUI) tile. Select the Tools > Notification Subscription menu item, this screen allows MPs to see the Listener URLs currently registered and provides the ability to update those URLs directly
 - c) By using this new screen, the URL updates will be entered directly to the DART system and made effective immediately
 - d) If you do not see this new menu option, please contact your LSA and ask them to provision your Market Portal account with the "Notification URLs" role.

7.2 Appendix A of the Universal NDA

A new Appendix A needs to be completed and sent to MISO each time employees are either added or deleted. The actual Universal NDA will not need to be resigned. Appendix A, however, does need to be updated to reflect the current, accurate listing of those individuals within a company that require access to the different materials covered by the Universal NDA. Written notification to MISO is required for removal of an employee that was previously listed on the Appendix A. Any employee whose name does not appear on the most recently submitted Appendix A will have their access revoked. Appendix A contains a place to designate whether the



employee is “transmission” or “market.” This information is necessary to ensure that employees are granted the proper access so no unauthorized communication of privileged information occurs. A copy of Appendix A can be found in the *Universal Non-Disclosure and Confidentiality Agreement* document located on the MISO website at www.misoenergy.org > Home > Engage > Client Services and Readiness > [Universal NDA-Appendix A \(Appendices section\)](#) .

7.3 Maintaining Status with webRegistry

As stated previously, registration of an Entity Code with OATI webRegistry is required for all incoming MP Applicants, even those Applicants who may be interested in financial transactions only. This registration must be maintained with OATI webRegistry throughout the duration of Certified MP status with MISO.

7.4 Ownership Change of a Resource between Applicant and Certified MP

For applicants who intend to become a certified MP and also receive transferred assets from an existing certified MP, the following process applies.

The applicant must submit their application and all associated legal documents in accordance with Topology Commercial Model deadline. In addition to the application, the applicant receiving the assets and the certified MP making the transfer must submit a Change Request (formerly *Attachment B*) via the [MISO Help Center](#) along with applicable templates and legal documents. This information must also be received in accordance with Topology Commercial Model deadlines.

The Applicant must meet credit requirements and become a certified Market Participant by the first day of the following month. For example, if the application and both Change Request (formerly Attachment B) information are submitted by September 15 for a December 1 effective date, credit must be met by October 1 even though the Applicant would not be fully certified until December 1.

In order to complete the transfer, both the Applicant accepting the assets and certified MP making the transfer must confirm the change during the next Asset Confirmation period. Both parties will be notified via email by the Client Services and Readiness team when confirmation tasks are required.



If the Applicant does not meet credit requirements by the required date, both the Applicant and certified MP will withdraw all transactions completed in Model Manager and notify the Client Services and Readiness team via the [MISO Help Center](#). MISO will not process a transfer if the Applicant does not meet the credit requirements and become a certified Market Participant by the first day of the following month during a Topology deadline. This means that the transfer will not occur at the requested quarterly model update. Updated Change Request (Attachment B) information via the [MISO Help Center](#) to request the transfer at the next model update; these must be received by stated Commercial Model deadlines.

7.5 Ownership Change of a Generation Resource between Certified MPs

If an MP needs to register an ownership change of a Generation Resource, there is a two-step process for making an ownership change to the Generation Resource already registered in the Commercial Model. This will require coordination between both the selling and receiving parties.

This process is defined in BPM 10 Network and Commercial Models, Section 5.2. Please refer to the description of Adhoc Generation Ownership transfer for more detail on requirements and timing.

If your entity plans on following the Adhoc Generation Ownership transfer process, please contact Client Services and Readiness at [MISO Help Center](#).

8 Asset Registration

Asset registration is designed to provide MISO with information about what assets the Applicant is claiming and is a means to validate that the MISO Network Model reflects the correct relationships. The following is an overview of the initial Asset Registration process.

1. MISO pre-populates the Asset Registration Database with existing MISO customer information.
2. The Applicant completes the online application to become a Candidate MP.
3. MISO assigns roles and assets to Applicant in the Asset Registration Database based on data submitted from the online application and performs validations on submitted asset parameters.
4. Applicant accesses an Asset Confirmation Report in the Asset Registration Tool for review and verification*.
5. The Applicant reviews Asset Confirmation Report including:
 - (1) Participant configuration



- (2) Asset configuration (if applicable)
- (3) Collection configuration (if applicable)
6. The Applicant confirms its assets by selecting Confirm in the Asset Registration Tool.
7. MISO resolves Unclaimed assets and asset disputes with Applicants.

* The Entity/Asset confirmation tasks will be completed by the individual who submitted the MP Application. The Client Services and Readiness team will notify this individual once the confirmation window is open.

Note: adding new assets, or making changes to existing assets, must be completed through Model Manager. If the addition of new assets or changes in the existing assets require the execution of one or more legal documents and/or certifications as set forth herein, the required executed legal documents and/or certifications must be submitted in Model Manager before the Commercial Model Due Date or the requested changes will not be processed.

8.1 Submission of Hourly Parameters

As part of the asset registration process, Applicants are required to submit one set of twenty-four hourly parameters for use in the Day-Ahead Energy and Operating Reserve Market and one set of twenty-four hourly parameters for use in the Real-Time Energy and Operating Reserve Market. Such hourly parameters are as follows and are submitted through the DART Market User Interface (DART MUI) accessible via the Market Portal and may be subsequently changed via submittal of the Day-Ahead Schedule Offer and Real-Time Schedule Offer. Those parameters include but are not limited to:

1. Energy Offer
2. Regulating Capacity Offer (if qualified)
3. Spinning Reserve Offer (if qualified)
4. On-Line Supplemental Reserve Offer (if not Spin Qualified)
5. Off-Line Supplemental Reserve Offer (if Quick Start Resource)
6. Supplemental Reserve Offer (for DRR-Type I and EAR, if qualified)
7. Start-Up Time (hot, intermediate and cold)
8. Hourly Curtailment Offer (for Demand Response Resource – Type I (DRR-Type I))
9. Start-Up Notification Time (hot, intermediate and cold)
10. Shut-Down Time (for DRR-Type I)
11. Shut-Down Notification Time (for DRR-Type I)
12. Offline Short-Term Reserve Offer (if qualified)



Additionally, as part of the asset registration process, Applicants are required to submit one set of daily parameters for use in the Day-Ahead Energy and Operating Reserve Market and one set of daily parameters for use in the Real-Time Energy and Operating Reserve Market. Such daily parameters are as follows and submitted through the DART Market User Interface (DART MUI) accessible in the Market Portal and may be subsequently changed via submittal of the Day-Ahead Schedule Offer and Real-Time Schedule Offer:

1. Shut-Down Offer (for DRR – Type I)
2. Maximum Start-Up Limit (for Generation Resources and DRR – Type II)
3. Minimum Run Time (for Generation Resources and DRR – Type II)
4. Maximum Run Time (for Generation Resources and DRR – Type II)
5. Minimum Down Time (for Generation Resources and DRR – Type II)
6. Minimum Interruption Duration (for DRR-Type I)
7. Maximum Interruption Duration (for DRR-Type I)
8. Minimum Non-Interruption Interval (for DRR – Type I)
9. Short-Term Reserve Maximum Offline Limit (if qualified)

For information on ESR specific parameters, please refer to the *Energy and Operating Reserve BPM 002*

8.2 Asset Registration Database

The Asset Registration Database houses Network and Commercial Model data that is required for market operations. The database is refined as the Applicants complete the registration process and as MISO improves the underlying Network Model.

The Asset Registration Tool (discussed in the following section) is populated with all information from the Network Model. The Asset Registration Tool includes all existing assets that are in the current Network Model. MISO initially creates the commercial relationships as placeholders until registration is complete.

The Asset Registration Database is periodically updated to reflect Network Model improvements.

The model being used for the Asset Registration Tool is the same model that is used for FTR allocations. All new assets that are not currently part of the EMS Network Model must be added through Model Manager.



The Asset Registration Database is organized into three main sections: MPs, Assets, and Collections. For each section of the Asset Registration Database, there are four types of data populated by MISO: Names, Parameters, Relationships and Collections. In addition to identifying MPs, Assets, and Collections, the Asset Registration Database also identifies two relationships:

1. The relationship between MPs and Assets (i.e., Generation Owners and Generators); and
2. The relationship between Assets and Collections, including Zone, Hub, Interface, Aggregates, and Stations.

8.3 Asset Registration Tool

To help minimize the amount of manual paperwork for Applicants and Certified MPs, MISO has developed the Asset Registration Tool. The tool provides a visual display of all Resources and Load Zone assets registered in the Asset Registration Database.

Users with the appropriate roles provisioned can access the tool by going to the Market Portal: <https://markets.midwestiso.org/marketportal/>. To access the tool, go to the *Asset Registration Tool* card.

Once an Applicant has submitted the application and relationship information to MISO, the tool will pre-assign the assets based on data in the Asset Registration Database. Applicants can access an Asset Confirmation Report via the Asset Registration Tool that will be used to verify the pre-assigned data, request modifications if necessary, and submit the required confirmations for the assets. Applicants must submit the confirmation of their entity and assets (if applicable) via the Asset Registration Tool in order to complete the processing of the application. If the Applicant's assets are not listed on the Asset Confirmation Report, please contact the Client Services and Readiness team to have assets updated in the model.

8.3.1 Interactions with the Asset Registration Tool

The interface screens can be viewed in the *Asset Registration Tool User Guide* found on the MISO website at www.misoenergy.org > Home > Markets and Operations > Market Participant Registration > User Guides (Documents section) > [Asset Registration Tool User Guide](#).



- The Asset Common Name is the name that a company wishes to refer to an asset (such as “Generator 1). The NERC name is the name used by the NERC IDC; and the EMS name is the name the Asset is referred to in the model.
- If an Asset is listed as being owned by an entity, but the entity determines it is not the owner, the entity must contact Client Services and Readiness.
- Selecting the “Generate Report” option from the browser will allow the User to print two types of reports:
 - a) **Modified Asset Report** – shows all asset and relationship information that has changed during the selected time period
 - b) **All Asset Report** – shows all asset and relationship information.
- If there is an error reported in the Asset Registration Tool or either of the Asset Reports, please contact the Client Services and Readiness team at MISO Help Center.
Error! Hyperlink reference not valid.

9 Special Registration Initiatives

The following section describes additional registration initiatives for Applicants and certified MPs.

9.1 Station Power Service Under Schedule 20

For certified MPs who are eligible to provide Station Power service under Schedule 20 of the Tariff, the MP must complete a Change Request (*Attachment B*) in the [MISO Help Center](#) and all applicable sections of the Station Power Application which is located on MISO’s public website at: www.misoenergy.org > Home > Markets and Operations > Market Participant Registration > Supplemental Registration (Become a Market Participant Section) > Station Power Service (Schedule 20) .

A completed Station Power application should include:

- Descriptions of the Asset Owner and the facilities for which it intends to provide Station Power under Schedule 20;
- Single line diagrams of the generation facility(ies);
- Designation of the CPNodes associated with the Generation Owner’s facility(ies);
- Indicate whether the Generation Owner intends to procure Station Power on a monthly basis (i.e. via On-Site Self-Supply or Remote Self-Supply).

Please submit all completed Station Power application documents to Client Services and Readiness via in the [MISO Help Center](#). Application processing will begin when MISO receives the completed application and will take approximately thirty (30) days to complete after all required



information has been submitted. Please note that the start date will be effective at the first of the month after the application has been approved.

Please refer to the *BPM 014 for Station Power* or Schedule 20 of the Tariff for additional information.

9.2 Blackstart Service Under Schedule 33

For certified MPs who are eligible to provide Blackstart service under Schedule 33 of the Tariff, the MP must complete a Change Request (Attachment B) case in the [MISO Help Center](#) and all applicable sections of the Blackstart Services Application which is located on MISO's public website at: www.misoenergy.org > Home > Markets and Operations > Market Participant Registration > Supplemental Registration (Become a Market Participant section) > Blackstart Service (Schedule 33).

A completed Blackstart Service application should include:

- Attachment NN – Blackstart Service Agreement
- Blackstart Unit Registration Form
- Blackstart Service Certification Form
- Change of Information Request (formerly Attachment B) in the [MISO Help Center](#)
- Test records showing successful test results were performed within preceding 36 months

Submit all completed Blackstart Service application documents to Client Services and Readiness via the [MISO Help Center](#). Application processing will begin when MISO receives the completed application and will take approximately fourteen (14) days to complete after all required information has been submitted. Please note that the start date will be effective at the first of the month following approval.

Please refer to the BPM 022 for Blackstart Services or Schedule 33 of the Tariff for additional information.

9.3 Emergency Demand Response (EDR) Under Schedule 30

Emergency Demand Response (EDR) provisions designated in Schedule 30 of the Tariff are designed to encourage certified MPs that have demand response capabilities to offer such capabilities for use by MISO during specified Emergency conditions. Such demand response capabilities include MPs that are able to either reduce Load during Emergency conditions (e.g., through existing demand response programs) or to operate back-up Generation Resources (also



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referred to as “behind-the-meter” generation) to the same effect MPs with demand response capabilities are encouraged through compensation provisions in the EDR procedures to submit standing Offers to either reduce Load or to increase generation during EEA2 or EEA3 events.

The entity must be a certified MP to register an EDR asset. The process requires completion of a Change Request (Attachment B) in the [MISO Help Center](#), EDR Registration Form per asset, and EDR Certification Form. These forms can be found by going to on MISO’s public website at: www.misoenergy.org > Home > Markets and Operations > Market Participant Registration> Supplemental Registration (Become a Market Participant section) (>Emergency Demand Response (Schedule 30).

An EDR Participant shall verify in writing through the EDR Certification Form that the Market Participant has received any required approvals from all applicable state regulatory agencies to enable the entity to participate in the EDR Initiative.

The aforementioned documentation must be received by MISO at least 30 days prior to the requested effective date of the EDR resource and the effective start date must be the first day of the month. MISO shall notify the Market Participant when it has met all required qualifications as set forth in Schedule 30, following which the Market Participant is eligible to submit EDR offers beginning on the first day of the month following its approval.

Note that the MP is responsible for testing their DART Notification XML Listener prior to registering the EDR resource(s) as this is a requirement of Schedule 30.

The EDR Offer is in XML format and can be submitted through the EDR Tool located on the Market Portal. Note that Offers cannot be submitted until after the registration and certification are accepted by MISO. The Client Services and Readiness team will inform EDR participants of the acceptance via email.

Additional information pertaining to the compensation provisions of EDR is located in Schedule 30 of the Tariff.

For more information about participation in the EDR initiative, please see BPM 026 - Demand Response.



9.4 Resource Adequacy Under Module E-1

Resource Adequacy ensures that Load Serving Entities (LSEs) who have been certified as an MP to serve Load in the MISO Region have sufficient capacity to meet their anticipated peak demand requirements plus an appropriate reserve margin. All LSEs must conform to Resource Adequacy Requirements demonstrating that the LSE has met the procedures and requirements of Module E-1 of the Tariff and the Resource Adequacy BPM (BPM-011). Specifically, LSEs must demonstrate that sufficient Zonal Resource Credits (ZRCs) have been procured each Planning Year to meet demand included in the Planning Reserve Margin Requirement (PRMR). LSEs may utilize their own ZRCs, purchase ZRCs in the Planning Resource Auction (PRA) and/or enter into bilateral transactions through ZRC Transactions in order to meet their PRMR.

The resources used to achieve Resource Adequacy are called Planning Resources, and consist of Generation Resources, External Resources (ER), Demand Response Resources (DRR), Load Modifying Resources (LMR), and Energy Efficiency Resources (EE). For definitions please refer to the BPM for Resource Adequacy, which can be found on MISO's public website at www.misoenergy.org > Legal > Business Practice Manuals (BPMs).

All types of Planning Resources are tracked in the Module E Capacity Tracking Tool MECT. LSEs must provide MISO with their forecasted Demand for the upcoming Planning Year no later than November 1. For procedures regarding submission of forecasted demand, see the BPM for Resource Adequacy (BPM-011).

9.4.1 Additional Documentation

The Resource Adequacy calendar, MECT User Guide, and other documents pertaining to Resource Adequacy can be found on the MISO public website at www.misoenergy.org > Home > Planning > Resource Adequacy.

9.5 Aggregator of Retail Customers (ARC)

By definition, an Aggregator of Retail Customers (ARC) is an MP sponsoring one or more DRRs, LMRs, or EDRs provided by customers that it does not serve at retail. An ARC can, but need not, be an LSE sponsoring a DRR, LMR, or EDR that is the retail customer of another LSE.

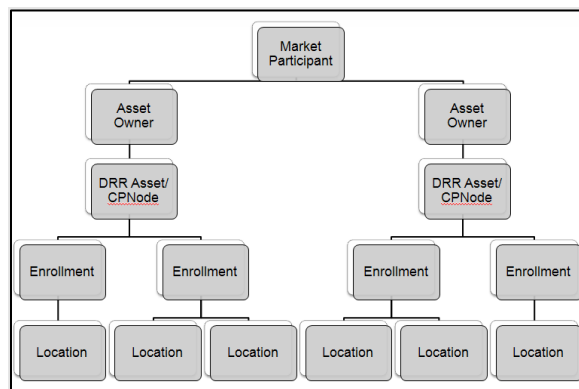
An entity may choose to participate as an ARC provided they have met the registration requirements outlined in this BPM and have received approvals from all required parties, including

ensuring that their respective state commissions allow for ARC participation. The following sections outline the requirements governing ARC participation, including LSEs that propose to aggregate the customers of other LSEs. Section 38.5 of the Tariff qualifies LSEs to aggregate their own retail customers; therefore, they need not register as ARCs to do so.

If an ARC chooses to sponsor a DRR, it must first register its DRR resource in the online application tool as described in Section 6.2.5 of this BPM. In the case of LMRs, registration of LMRs will occur via the MECT (contact Resource Adequacy for more information on this process). In the case of EDRs, registration of EDRs occurs after the Applicant is Certified and has submitted all requirements as outlined in Section 9. of this BPM.

An ARC can bundle multiple retail loads to form an Asset but all such loads must be located within a single LBA. Each Asset (CPNode) may be comprised of one or more Enrollments. Enrollments may be comprised of one or more physical or virtual locations. See the Enrollment hierarchy diagram below.

9.5.a Enrollment Hierarchy



In addition to resource information, the entity must provide additional data for each resource (i.e. retail load) comprising the DRR asset. For DRRs, this information will be requested in the Demand Response Tool. A user guide for the Demand Response Tool and a list of Frequently Asked Questions can be found on the MISO public website:

www.misoenergy.org > Home > Markets and Operations > Markets and Operations > > Demand Response (Documents section).

For LMRs and EDRs, this information will be requested in an offline format.



The following is a list of information must be submitted:

- Local Balancing Authority (LBA) Area where the retail loads are located
- LSE(s) serving the retail loads that the ARC will control
- Relevant Electric Retail Regulatory Authority(s), or RERRA(s), having jurisdiction over the LSE
- For each identified LBA, LSE, and RERRA, provide contact information for each entity including First Name, Last Name, Email Address, Postal Address, and Telephone Number
- Unique identifier in the form of the Customer Account number from the EDC
- Load reduction amount
- Measurement & verification methodology to be used (i.e. baseline calculation)
- List of retail customer accounts that comprise the resources being registered, including names and addresses of such retail customers

In addition, the ARC must certify the following:

- For each retail customer, where the relevant utility distributed more than four million MWh in the prior fiscal year, that the laws, regulations, or order(s) of the RERRA do not preclude the retail customer from participating directly in MISO's Energy and Operating Reserve Markets;
- For each retail customer, where the relevant utility distributed four million MWh or less in the prior fiscal year, that the laws, regulations, or order(s) of the RERRA specifically permit the retail customer to participate directly in MISO's Energy and Operating Reserve Markets.

9.5.1 Using the Demand Response Tool for ARC Participation

The Demand Response Tool is an application used to support demand response business processes including the registration and enrollment of physical locations that comprise any DRR asset, regardless of ARC participation. The tool is located on the MISO Market Portal by navigating to the Demand Response Tool card. Access to the Demand Response tool will be provided upon submission of the MP application.

Please note that access to the tool is not instantaneous; Client Services and Readiness must request access after the MP application is received. MISO encourages ARC applicants registering a DRR asset to submit their MP applications as early as possible (*30 days prior to the Commercial Model deadline is suggested*) to ensure ample time to create and enroll all physical locations by stated Commercial Model deadlines.



Once access to the tool has been provided, it is the responsibility of the ARC applicant to enter all physical locations and enrollments in the tool. The user guide for the Demand Response Tool contains further instructions on how to submit this information and can be found on the MISO public website:

www.misoenergy.org > Home > Markets and Operations > Markets and Operations > > Demand Response (Documents section).

9.5.2 Approvals and Timelines

To register to become an ARC, the Applicant must submit all required application data, along with legal documents and the registration/enrollment of all physical locations that comprise the asset (for DRRs), in accordance with stated Commercial Model deadlines. For an ARC with DRRs, once the Enrollment has been submitted through the Demand Response Tool, the approval process with the identified LSE, LBA, and RERRA will commence.

9.5.2.1 LSE Approvals

Once the LSE has received notification of the enrollment, the LSE has ten (10) business days to review and approve/provide the following data:

- Confirm customer is not a LMR or EDR for the LSE
- Confirm end use customer is served by the LSE
- Provide LSE CPNode for each location

9.5.2.2 LBA Approvals

Once the LBA has received notification of the enrollment, the LBA has ten (10) business days to review and approve/provide the following data:

- Confirm location information – address is located within the identified LBA
- Confirm designated unique ID – valid account number, tied to the correct address
- Provide the EPNode(s)*

*If possible, the LBA will define the specific EPNode or EPNodes that are most representative of where the enrollment demand reduction will occur. For demand reduction capability of 10 MW or more (e.g. large industrial load), we expect the LBA to provide 1-2 EPNodes. In the event that a specific EPNode or EPNodes cannot be determined for a given Enrollment, the LBA must define the CPNode that is representative of where the demand reduction will occur.



9.5.2.3 RERRA Approvals

Upon ARC registration to participate in the Energy and Operating Reserve or Capacity Markets, MISO will provide a notification to the RERRA(s) provided by the ARC. As the ARC has already certified the RERRA permission or lack of preclusion for participation, MISO will assume that the ARC may participate.

- If the RERRA does not allow the ARC to participate, the RERRA may respond to the email notification from MISO within ten (10) business days and MISO will halt the registration processs.
- If the RERRA does not wish to allow the ARC to participate, and it is after the ten (10) business day period, the RERRA may respond in writing to MISO and the ARC will not be able to continue participation in the Energy and Operating Reserve or Capacity Markets.

9.5.2.4 Issues and/or Denials

If an LSE or LBA has an issue with location registration, the Demand Response Tool will notify the entity via email. Please note that if approvals are not received from LSE and LBA within ten (10) business days, the DRR registration will be automatically approved.

For additional information regarding ARC participation, please refer to Section 38.6 of the Tariff, the *BPM 002 for Energy and Operating Reserve Markets* and the *BPM 026 for Demand Response*.

9.6 Pseudo-Ties

9.6.1 What is a Pseudo-Tie?

Per the NERC Glossary of Terms, a pseudo-tie is defined as:

A time-varying energy transfer that is updated in Real-time and included in the Net Actual Interchange term ("NAI") in the same manner as a Tie Line in the affected Balancing Authorities' Reporting Area Control Error ("ACE") equation (or alternate control processes). These "virtual" tie lines flow in the AGC/ACE equation but for which no physical tie or energy metering actually exists. The integrated value is used as a metered MWh value for interchange accounting purposes.



9.6.2 Registering a Pseudo-Tie

As stated in BPM-30 Pseudo-Ties, MISO will consider the following guidelines when evaluating a pseudo-tie request. MISO, in its role as the Balancing Authority and Reliability Coordinator, is responsible to ensure pseudo-ties are reliably implemented and maintained. MISO will:

- Implement pseudo-ties in a reliable manner
- Work with the requesting Market Participant to execute the Pseudo-Tie Agreement
- Evaluate pseudo-tie implementation readiness by proactively examining Flowgates impacted by pseudo-tie transfers
- Ensure sufficient modeling quality to support the congestion management processes for pseudo-ties
- Develop a schedule for each pseudo-tie request. The Pseudo-Tie implementation timeline is mutually agreed upon between native Balancing Authority,

For Applicants or Certified MPs interested in registering, modifying, removing or reinstating a pseudo-tie, the MP must send notification to [MISO Help Center](#) as well as the external Balancing Authority indicating intent to pseudo-tie or change a pseudo-tie. **More details regarding the specific time-frames for each of the above requests, can be found in Section 1.6 of BPM 030 – Pseudo Tie.** Pre-assessment requirements and proposed pseudo-tie activation schedule will be provided after MISO's initial review.

For more detailed information on pseudo-ties, including pseudo-tie types, qualifications, implementation steps, and the process, please refer, once again, to BPM-30 Pseudo-Ties.

For modeling examples of pseudo-ties, please refer to BPM-10 – Network and Commercial Model.

10 Terminating Market Participant Status

If a certified MP wishes to terminate its MP Status from MISO, the entity must create a case in the [MISO Help Center](#) and upload a signed *Attachment C - Request for Termination of Market Participant Status*. This legal document must be signed by one of the following individuals:

- *General Contact* as identified in the General Information Section of the online application;
- The contact identified as *Authorized to Execute Market Participant Agreement*, also in the General Information Section of the online application;
- An officer of the company or mayor of a municipality/city utility;



- Mayor of a city or municipality.

NOTE: if the MP has Assets in the Commercial Model, those Assets must first be terminated via the Model Manager prior to submitting an Attachment C.

The Attachment C must be received by the Client Services and Readiness team no later than five (5) Business Days (excluding holidays) prior to the requested termination. To review a copy of the Attachment C, please refer to Section 12: Attachments within this BPM. A copy can also be downloaded via the MISO public website at:

- www.misoenergy.org > Home > Markets and Operations > >Market Participant Registration > Forms and Templates (Documents section) > Attachment C – MP Termination Form.docx

As described in Attachment C, termination shall not relieve Market Participant of any obligation to pay for purchase, fees, and charges incurred prior to the date of such termination.

An MP may reapply to become a MP under the Tariff no earlier than one (1) month after the effective date of termination, and only provided that the MP is not in default of any obligation incurred under this Tariff. Additionally, the MP must reapply with a new Entity Code (as registered with OATI webRegistry).

10.1 Credit Obligations and Collateral Return

As described in MISO's Credit Procedures, upon Market Participant withdrawal from the MISO market, a participant's credit limit must continue to cover exposure. Collateral will be refunded in the following manner in conjunction with Market Settlement dates:

- 85% at the completion of the S55;
- 10% at completion of the S105; and
- 5% at the completion of all resettlements.

After the 105 Settlement (= 105 calendar days after the last trade date) statement, please request any remaining collateral and interim quarterly interest using MISO's Service Request system available on the Market Portal. Please note that usage of this system requires that the Market Participant maintain at least one active digital certificate to submit the service request.



11 MISO Contact Information

Questions regarding MP registration shall be directed to the Client Services and Readiness team at the [MISO Help Center](#). All training information is available on the Learning Management System (LMS) at www.misoenergy.org > Home > Engage > >Customer and System Operator Training.

All credit related questions can be e-mailed to misocredit@misoenergy.org.

12 Attachments

This section contains copies of the following Attachments:

- Attachment W – Form of Market Participant Agreement
- Attachment C – Request for Termination of Market Participant Status

Please note that these are included for reference purposes only. **Do not print these documents directly from the BPM.** The Applicant will be prompted to download and complete all required forms, including the Attachment W and all other required legal documents, as a part of the online registration process. If your entity requires a Change Request (formerly Attachment B) or Attachment C, please contact a member of the Client Services and Readiness team via the [MISO Help Center](#).

To review additional standard Credit documents such as the Credit & Security Agreement, Corporate Guaranty, Letter of Credit, or Cash Collateral Agreement, prior to completing your registration, please refer to Attachment L of the Tariff.

To review the Universal Non-Disclosure and Confidentiality Agreement prior to completing your registration, please visit the MISO public website at www.misoenergy.org > Home > Engage > Client Services and Readiness > Non-Disclosure Agreement Types and Instructions (Available Non-Disclosure Agreements section).



ATTACHMENT W

Form of Market Participant Agreement

- 1.0 This Market Participant Agreement ("MP Agreement"), dated as of _____, is entered into, by and between the Midcontinent Independent System Operator, Inc., ("Transmission Provider") and _____ ("Market Participant").
- 2.0 The Market Participant has been determined by the Transmission Provider to be a Market Participant as defined in the Tariff.
- 3.0 The Market Participant agrees to supply the Transmission Provider with any and all information the Transmission Provider deems reasonably necessary in accordance with Good Utility Practice.
- 4.0 The Transmission Provider agrees to provide services to the Market Participant upon a request by an authorized representative of the Market Participant. The Market Participant agrees to take and pay for the requested services in accordance with the provisions of the Tariff and this MP Agreement.
- 5.0 Market Participant status under the Tariff shall commence upon execution of this MP Agreement by the Transmission Provider. Service(s) under the Tariff shall commence at the time of the requested service(s) commencement date.
- 6.0 This MP Agreement shall terminate on such date as mutually agreed upon by the Parties.
- 7.0 The Market Participant shall provide written notification of any unexpected material adverse changes in circumstances that may affect the Market Participant's status as a Market Participant, within twenty-four (24) hours of having learned of the change.
- 8.0 The Market Participant shall notify the Transmission Provider in writing of any material adverse change in circumstances that the Market Participant learns of or intends to implement and may affect its status at least seventy-two (72) hours prior to the change.
- 9.0 Any notice or request made to either of the parties to this MP Agreement shall be made to the following representatives:



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Transmission Provider

Title: Contract Administrator
Address: 720 City Center Drive
Carmel, IN 46032-7574

Market Participant

10.0 The Tariff, in its entirety, is incorporated herein and made a part hereof.

IN WITNESS WHEREOF, the parties have caused this MP Agreement to be executed by their respective authorized officials.

Transmission Provider

By: _____
Name: _____
Title: _____
Date: _____

Market Participant

By: _____
Name: _____
Title: _____
Date: _____



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Attachment C Request for Termination of Market Participant Status

In accordance with the terms of the Open Access Transmission, Energy and Operating Reserve Markets Tariff (“Tariff”) of the Midcontinent Independent System Operator, Inc. (“MISO”), [MP Name and Entity Code] (“Market Participant”) hereby requests to terminate its status as a Market Participant, as that term is defined under the Tariff, effective 0000 hours EST on [date].

In making this request, which shall become effective on the date specified above, Market Participant states that it understands that:

1. Such termination shall not relieve Market Participant of: (i) its obligation to follow MISO’s Dispatch Protocol; (ii) any obligation to deliver Energy or related services to MISO’s Energy and Operating Reserve Markets pursuant to an Offer made prior to such termination; (iii) any obligation to pay for any purchases made pursuant to a Bid made prior to such termination; (iv) any obligation to pay its share of any fees and charges incurred or assessed by MISO prior to the date of such termination; or (v) any obligation to provide indemnification for the consequences of acts, omissions, or events occurring prior to such termination; and
2. Any Transmission Service Agreement(s) and, if applicable, Network Operating Agreement in place under the MISO Tariff will be terminated either on the above-mentioned effective date or on the latest stop date of any Transmission Service Request (TSR) posted on the MISO OASIS, whichever is later. The termination of these Agreements does not relieve the Market Participant of any obligations or responsibilities for services received pursuant to these Agreements. MISO will file to terminate these Agreements pursuant to Federal Energy Regulatory Commission (FERC) regulations.
3. Market Participant may reapply to become a Market Participant under the Tariff no earlier than one (1) Month after the effective date of termination, and only provided that Market Participant is not in default of any obligation incurred under this Tariff.
4. Reason for Termination (Required):

<input type="checkbox"/> No longer own or operate assets	<input type="checkbox"/> Virtual trading not profitable
<input type="checkbox"/> Merger or acquisition	<input type="checkbox"/> Unable to continue to meet Credit requirements
<input type="checkbox"/> Transferring market operations to another entity	<input type="checkbox"/> Bankruptcy
<input type="checkbox"/> Moving operations to another ISO /RTO	<input type="checkbox"/> Other – please describe:

This “Attachment C” document must be executed by one of the following individuals: (1) “General Contact” as identified in Section 1 of the Market Participant Application, (2) contact identified as “Authorized to Execute Market Participation Agreement” also in Section 1 of the Market Participant Application, (3) an Officer of the company, or (4) the mayor of a city or municipality as defined in the BPM for Market Registration.

By signing below, [Signatory Name], certifies that he/she is authorized to bind legally Market Participant.

Executed, this [date] day of [month], [year].

[Signatory Name]
[Signatory Title]

Received by MISO:

Name:



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Date:



Appendix A: Frequently Asked Questions

Question: Who should I contact for general registration questions?

A: For general registration questions, contact the MISO Client Services and Readiness team at [MISO Help Center](#) **Error! Hyperlink reference not valid.** or by phone at 1-866-296-6476 (option 3) - Monday-Friday from 8 a.m. to 5 p.m. ET

Question: How do I get access to the MISO Market Portal to view the online application tool?

A: To gain access to the MISO Market Portal to view the Online Registration Tool, contact the MISO Client Services and Readiness team via the **Error! Hyperlink reference not valid.** [MISO Help Centermailto:help@misoenergy.org](mailto:help@misoenergy.org).

Question: How do I get an Entity Code?

A: Go to the OATI WebRegistry (<https://www.naesbwry.oati.com/NAESBWRY/sys-index.wml>). For further assistance, please contact OATI at support@oati.net or 763-201-2020.

Question: How do I get a DUNS Number?

A: At Dun & Bradstreet (www.dnb.com), you can register for a free DUNS number in 30 days. You may also request a DUNS Number in one business day for a fee. You must have a DUNS number in order to get an Entity Code.

Question:

Question: Who should I contact with questions related to the Credit Application?

A: All credit related questions should be directed to the MISO Credit Department at the following email address misocredit@misoenergy.org.

Question: What is an Extranet Account? And how do I get one?

A: An Extranet Account allows the user to subscribe or unsubscribe to mailing lists. It also allows access to information under specific mailing list groups.



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Question: Which Attachments am I required to complete?

A: The following is a list of all supporting application documents that can be downloaded via the Online Registration Tool. An Applicant will only see the documents required for their organization; all documents displayed for that Applicant must be completed in their entirety, and mailed to the attention of the Client Services and Readiness team.

Legal Documents – ALL Applicants
MISO Signatory Page (must be notarized)
Attachment W - Form of Market Participant Agreement
Universal Non-Disclosure and Confidentiality Agreement (UNDA)
Annual Certification and Annual Disclosure Forms
Initial Total Potential Exposure Worksheet

Legal Documents – Varies Based on Application
W8 Certificate of Foreign Status for US Tax Withholding
W9 Request for Taxpayer Identification Number
OATI webOASIS and webTrans Registration (Informational)
Short-Term Firm Point-to-Point Service (STF PTP)
Long-Term Firm Point-to-Point Service (LTF PTP)
Non- Firm Point-to-Point Service (NF PTP)
Network Integration Transmission Service (NITS)
Security Interest Agreement
Credit and Security Agreement
Cash Collateral Agreement
Corporate Guaranty
Irrevocable Letter of Credit
Letter of Credit / Corporate Guaranty Primer (Informational)
Master Commercial Model Data Template
Wind and Solar Template



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Legal Documents – Varies Based on Application
Certificate Representing Relationship between Applicant and Owners of Generation Resource(s)
Certificate Representing Relationship between Applicant and Load Serving Entity or Load
Certificate Representing Agency Relationship between Applicant and Scheduling and/or MDMA
Certificate Representing Relationship between Applicant and Owners of Demand Response Resource(s)
Certificate Confirming Fulfilment of Requirements for Applicants Seeking to Participate as Aggregator of Retail Customers (ARC)



Appendix B: Contact Type Descriptions

The following is a list of available contact types.

Contact Type	Description
General Contact	Serves as the main point of contact for MISO. This individual is authorized to submit the Market Participant (MP) application and is also responsible for submitting and signing all legal documents, including the Change Request (Attachment B) and confirming any registered assets.
Authorized Contact	Individual who is authorized to execute any legal agreements with MISO on behalf of the entity. This individual may also receive inquiries from MISO in the event the General Contact is unavailable.
Primary LSA	The individual that performs the Local Security Administrator (LSA) role will have the ability to establish and manage the access of the employees of their company to all or part of the information available in MISO Market Systems. Each MP is responsible for identifying an individual(s) to perform the LSA function, as Portal User account maintenance is the responsibility of the MP, not MISO.
Secondary LSA	Serves as a secondary point of contact in the event that the Primary LSA contact is unavailable. It is highly recommended to have a secondary LSA on file with MISO.
Primary Credit Contact	Responsible for all ongoing communications with MISO related to Credit. This includes, but is not limited to, notifying MISO of any material changes in status. This individual is the first point of contact for all credit and financial matters.
Secondary Credit Contact	Serves as a secondary point of contact for credit related issues if the Primary Credit contact is unavailable.
Market Billing Contact	Receive remittance advices for Market revenue and quarterly interest payments on cash collateral; may designate up to (3) Market Billing Contacts. MISO can provide billing information (i.e. invoice copies) only to approved Market Billing Contacts.
Transmission Billing Contact	Receive Transmission invoices, Open Invoice Status Reports, and remittance advices; may designate up to (3) Transmission Billing Contacts. MISO can provide billing information (i.e. invoice copies, OISRs, etc.) only to individuals registered as Transmission Billing Contacts.
MISO Settlements Analyst	Individual who verifies the charge types for transactions in the MISO Portal for that Settlement period.
Market Settlements Manager	Individual who oversees all of the Settlement accounting activities (specific to Market Settlements).
Alternative Dispute Resolution	Serves as the primary point of contact for the Alternative Dispute Resolution process.
Public Relations	Serves as the primary point of contact for any questions related to public relations.
Regulatory Counsel	Serves as the primary point of contact for any legal matters pertaining to the entity.



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Contact Type	Description
Data Integrity	Individual who is contacted if MISO identifies a problem or discrepancy in the transaction data submitted to MISO, most likely someone in an operations area.
Primary Resource Adequacy	Responsible for ensuring that the organization is compliant with the MISO Resource Adequacy construct including where applicable qualification of Planning Resources, providing annual and monthly resource plans, participating in the Voluntary Capacity Auction and designating capacity to cover the demand forecast plus PRM.
Secondary Resource Adequacy	Serves as a secondary point of contact in the event that the Primary Resource Adequacy contact is unavailable.
Primary GADS	Responsible for ensuring that the organization is compliant with MISO GADS data requirements on a quarterly basis.
Secondary GADS	Serves as a secondary point of contact in the event that the Primary GADS contact is unavailable.
ARC Contact	Responsible for responding to MISO inquiries as necessary related specifically to Demand Response Resource Enrollments. This may also be the contact organization responsible for providing information pertaining to registered ARC Locations.
Day Ahead Market Contact	Responsible for daily submission of Bid and Offer data into the Day Ahead Market including resolution of data submission issues prior to (or immediately after) the close of the Day Ahead Market.
FTR & ARR Primary Contact	Primary point of contact for submission of Bids and Offers data into the Financial Transmission Rights (FTRs) Auctions and Annual Auction Revenue Rights (ARRs) Market including resolution of data submission issues.
FTR & ARR Secondary Contact	Secondary contact point of contact for submission of Bids and Offers data into the Financial Transmission Rights (FTRs) Auctions and Annual Auction Revenue Rights (ARRs) Market including resolution of data submission issues.
Daily FERC Notices	Consistent with FERC regulations requiring MISO to serve interested parties, at least one individual must be named as Daily FERC Notices contact. This contact will receive information related to MISO's FERC filings or Tariff.