

Midwest ISO

Module B- Network Integration Transmission Service Overview



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NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

DISCUSSION POINTS

1. What is NITS
2. How to get Designated NITS
3. Load and Generation Resource requirements for NITS
4. Other requirements
5. MISO contacts

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

- What does it do?
 - Allows the Network customers to integrate and economically dispatch its fleet of Network resources to serve their Network load.
- Is it required?
 - Yes, All load Serving entities must either procure NITS or Point to Point transmission service by entering into a service agreement with Midwest ISO.

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

STEPS TO GET DESIGNATED NITS

These steps are required by each network customer and need to be performed only during the initial application.

- Apply for a Network Service Application.
- Sign a Network Operating Agreement.
- Execute the Network Service Agreement.
- The end result of the NITS application process will be the creation of the Network Contract TSR on the MISO OASIS.

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

REQUEST FOR NITS

- Submit a NITS TSR on OASIS
- Fill out specification sheets for each Transmission Service request (Attachment F)
- Submit an eDNR to specify which Network Resource is being designated for that particular TSR.
- Identify the network contract number in the spec sheets for the TSR and on OASIS.

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

- Description of the Network Load at each Delivery Point.

For detailed description please see Section 29.2 (iii)

- Loads to be served at each voltage level.
- Loads to be served from each substation at the same transmission voltage level.
- A 10- year forecast of summer and winter load and generation requirements.
- The amount and location of any interruptible loads.

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

- Description of the Network Resources (On System)
 - *For detailed description please see Section 29.2 (v) of Module B*
 - Unit size and amount of capacity from the unit designated as a Network Resource.
 - Arrangements governing the sale and delivery to third parties if only a portion of the NR is designated.
 - Operating restrictions.

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

- Description of the Network Resources (Off System)

-For detailed description please see Section 29.2 (v) of Module B

- Customer's right to the amount of Power.
- Transmission arrangements from external transmission system.
- The source control Area and the sink control area.
- Operating restrictions

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

- The Network customer must be able to demonstrate that it either:
 - Owns the Network Resource.
 - Or it has committed to purchase generation with a contract or the commitment to a contract that is contingent upon the availability of transmission service.
- Network Customer cannot include any portion of the generation resource as a Network Resource if:
 - it has been committed to third party sales.
 - it cannot be called upon to serve the Network load on a non-interruptible basis.

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

- Annual Updates to be reported to Midwest ISO
 - Network Load and Network Resource forecasts for the next 10 years.
 - The same way when a network customer submits data during the initial application process.
 - Reduction/addition of load (we usually receive updates about the load growth)
 - Change in output or other operating restrictions for the network resource listed in the initial application.
 - The customer will continue to receive the Network Service until the end date of the TSR.

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

- Transmission Service Evaluation process
 - System Impact Study
 - Facilities Study
 - Facilities Construction Agreement
 - Transmission Service cannot start until all the required upgrades have been installed and are in service.
 - Midwest ISO does not grant conditional firm service.
 - Exception-If there are upgrades that are required to be in-service prior to a certain year, Midwest ISO will grant that service with conditions documented in the Specification sheets of the Service agreement. The service can only start after those upgrades are in place.

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

- What if Load Serving Entities don't procure Transmission Service?
 - The load serving entity will be required to pay unreserved use penalties.
 - Dictated by the period of unreserved use.
 - Calculated based on Daily Point to Point charges in Schedule 7 for every hour of unreserved use.
 - 200% multiplier
 - The amount of MW per hour of unreserved use.

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

- In order for a load to qualify as a network load, it must be physically connected to the Midwest ISO transmission system.
- A Network Customer cannot use NITS for sales of capacity and Energy to non-designated loads.
- A Network Customer cannot use NITS to provide transmission service to third parties.
 - A network customer must procure Point to Point transmission service for sales to third parties if it uses Midwest ISO transmission.

NETWORK INTEGRATION TRANSMISSION SERVICE (NITS)

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