



Manual ##

Aggregation Manual Part 2

Issued: Month Year

WG/SUBCOMMITTEE DRAFT – NOT FOR COMMITTEE ACTION

1. Registration & Enrollment

An Aggregator is a NYISO Market Participant that may combine facilities across a broad range of Resource types and sizes to participate in the NYISO markets as a single entity – an Aggregation. The Aggregator is required to register as a NYISO Market Participant (if not already registered as a Market Participant) in order to enroll Aggregations with the NYISO, and to enroll the individual facilities to form an Aggregation. The individual facilities are required to satisfy certain requirements to enter, exit, and switch Aggregations. A Distribution Utility will have the opportunity to review each DER and Aggregation that is connected to the utility’s electrical facilities.

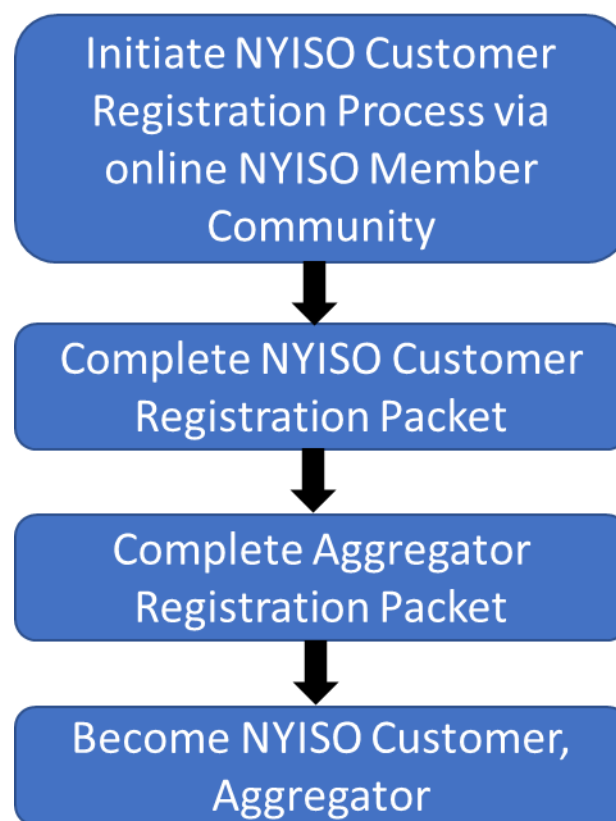


Figure X: Registration Process Flow

1.1. NYISO Aggregator Registration

The Aggregator is the party who represents one or more DER facilities as an Aggregation participating in the NYISO wholesale market. To become an Aggregator, an entity must first become a NYISO Customer, if not already registered. Aggregators must complete the NYISO Customer Registration packet and are subject to all of the general registration requirements applicable to other Customers, including but not limited to submission of credit information, designation of MIS Administrator and users, and notification to the NYISO of corporate affiliations. Please refer to the Market Participant User's Guide for the complete list of responsibilities. Aggregators must also complete the NYISO Aggregator Registration Packet. The NYISO Customer Registration Packet and NYISO Aggregator Registration Packet must be submitted through the Salesforce NYISO Member Community: <https://nyiso.force.com/MemberCommunity/s/>.

To request access to the NYISO Member Community, please submit your name, company name, email and phone number to the [NYISO Registration Department](#).

1.1.1. NYISO Aggregator Registration Packet

Lorem In addition to mailing address and basic applicant contact information, the NYISO Aggregator Registration Packet requires applicant's 24/7/365 control center contact information for operational coordination activities, referred to as the 'Operational Contact.' The Operational Contact must be available 24/7/365 to respond to the NYISO. The contact information for a Secondary Operational Contact is required as well.

All Aggregators must communicate each Aggregation's operating status through the applicable Transmission Owner (TO) and are advised to contact the applicable TO business account representative for technical requirements associated with establishing TO telemetry. Aggregators opting to communicate with the NYISO solely through the Transmission Owner are not required to submit an Infrastructure and Technology Plan with the Registration Packet.

An Aggregator electing to communicate both to the TO and also directly with the NYISO must submit an Infrastructure and Technology Plan with the Aggregator Registration Packet – the Infrastructure and Technology Plan requires information describing Aggregator control center configuration, system and communications architecture, and data management practices. An Aggregator will need to reference the Direct Communications Procedure in order to set up direct communications with the NYISO. Aggregators are required to complete a CEII (Critical Energy Infrastructure Information) form and an NDA (Nondisclosure Agreement) in order to obtain the Direct Communications Procedure. The CEII and NDA forms are available using the following link: <https://nyiso.tfaforms.net/187>.

A prospective Aggregator must successfully register as a NYISO Customer and Aggregator before

enrolling facilities and Aggregations. Facility and Aggregation enrollment occurs in the NYISO Aggregation System, to which Aggregators will receive access after successful registration as a NYISO Customer and Aggregator.

Aggregators planning to use a third party for communication services or scheduling and dispatch of DER facilities are advised to contact Customer Registration to understand how the third party may interact with the NYISO on behalf of the Aggregator. Third party service providers (except for Meter Services Entities) are required to register as NYISO Customers or Guests prior to providing services to an Aggregator. For more information on third party service provision related to scheduling of Aggregations and DER, please refer to the Scheduling Service Provider/Agency Agreement form of the NYISO Customer Registration Packet. For more information on third party service provision related to communication services and the details of the Direct Communications Service Provider Agreement, please contact NYISO Customer Registration at the following email address: customer_registration@nyiso.com.

An Aggregator who intends to use a qualified Meter Services Entity (MSE) to perform meter data services, as defined in the Revenue Metering Requirements Manual, for one or more Aggregations need not submit either the Scheduling Service Provider/Agency Agreement or the Direct Communications Service Provider Agreement. However, the MSE must be qualified to provide meter data services per the standards set forth in the NYISO Services Tariff and the Meter Services Entity Manual.

After successful completion of both the Customer Registration and Aggregator Registration procedures, an Aggregator will be established in the NYISO's Market Information System (MIS) based on the contact information provided by the Customer. Aggregation System privileges are granted to the Aggregator's Organization, which allows the MIS Administrator to assign the applicable privileges to designated users representing the Aggregator's Organization. The MIS Administrator for the Aggregator's Organization must enter the information to establish each user on behalf of the Organization before granting access privileges. Individual users with the appropriate Aggregation System access may commence enrollment of DER and Aggregations.

1.1.2. Pre-Enrollment Activity Checklist

In addition to successfully completing the NYISO Customer Registration and Aggregator Registration processes described in the previous section, Aggregators must ensure that the following tasks are successfully completed prior to attempting to enroll Aggregations of DER in the Aggregation System:

- Interconnection Agreement – All individual DER must have a signed interconnection agreement either through the NYISO’s SGIP or an acceptable non-NYISO interconnection procedure (*e.g.*, NYS SIR). For guidance on this process, please review the NYISO’s *Transmission Expansion and Interconnection Manual*.
- Telemetry communications – An Aggregator must successfully establish telemetry infrastructure connection with the applicable Transmission Owner prior to submitting an Aggregation in the Aggregation System. The Aggregator to TO connection is a prerequisite to the registration and enrollment processes. The NYISO’s Distributed Resources Operations group will work with the NYISO Power System Applications Engineering group, TO, and Aggregator to test communications using the uniquely assigned telemetry point identifiers for each Aggregation. For further information on this process, please see telemetry testing information for Aggregators, outlined in section [X]. The Aggregator should be able to successfully receive and transmit telemetry to the applicable TO over the preferred protocol (*e.g.*, ICCC) prior to enrollment of any DER or Aggregation. The telemetry communications testing procedure for individual Aggregations is detailed in Section [X] of this Manual.