

Meter Authority Testing

1) Purpose

In order to ensure that Meter Authorities are able to successfully transmit and receive data in the Web Based Reconciliation application, each Meter Authority will be required to upload data using the defined templates. Each Meter Authority will be required to successfully complete testing prior to the deployment of the Web Based Reconciliation application.

The goal of the testing period is to get each Meter Authority familiar with the new meter data submission process. In order for the testing to be a success all meter authorities must submit tie, gen, and load data for the specific days identified.

2) Testing Methodology

Each Meter Authority will submit Tie, Gen, and Load bus data using the NYISO's upload/download process for the days identified. Once all the data has been submitted each Meter Authority should use the TIE_GEN_SUBZONE_DETAIL and LOAD_BUS_HOUR_DETAIL download template to return all Gen's, Tie's, and load busses that impact their subzone for each of the days.

Returned for each Gen and Tie will be the NYISO hourly-calculated value and the MA reported value. Returned for each load bus will be the Meter Authority reported MW value and the NYISO adjusted MW value. Each meter authority should also use the SUBZONE_LOAD download template to return the hourly subzone load and losses values for each of the MA's subzones. After the Meter Authority agrees with the calculated hourly subzone load values for the day they should upload agreement using the METER_AUTHORITY_AGREEMENT_FLAG.

Note: If another meter authority has not submitted a meter value for a particular Gen or Tie that impacts your subzone the MA reported field will be blank.

a) Upload Templates

- i) TIE_GEN_SUBZONE_DATA (page 1-1 of the User Guide)
- ii) LOAD_BUS_HOUR_DATA (page 1-4 of the User Guide)
- iii) METER_AUTHORITY_AGREEMENT (page 1-8 of the User Guide)

b) Test files should only include actual data for the following dates:

- i) April 7, 2002
- ii) October 27 2002
- iii) January 1, 2003
- iv) January 15, 2003
- v) January 31, 2003

c) Download Templates

- i) TIE_GEN_SUBZONE_DETAIL (refer to page 1-3 of the User Guide)

(1) During Meter Authority Testing, the optional fields START_DATE and END_DATE will only return data for one day. During testing if you do not enter a START_DATE and END_DATE the application will only return data the day that is in the billing month.

(2) During Meter Authority Testing, the optional fields VERSION and ADVISORY_DATA will not be used.

ii) LOAD_BUS_HOUR_DETAIL (page 1-6 of the User Guide)

(1) During Meter Authority Testing, the optional fields VERSION and ADVISORY_DATA will not be used.

iii) SUBZONE_LOAD (page 1-7 of the User Guide)

(1) During Meter Authority Testing, the report will only be available when a day is specified in the DATE field (MM/DD/YYYY).

d) Templates that are not available during MA Testing

i) Monthly WHOLESale_VERIFICATION

3) Expectations for MA's

Prior to deployment of web-based reconciliation each Meter Authority must successfully complete the following requirements:

- Connect to the NYISO upload/download application
- Submit metering data using the TIE_GEN_SUBZONE_DATA and LOAD_BUS_HOUR_DATA upload template.
- Download metering data using the TIE_GEN_SUBZONE_DETAIL, LOAD_BUS_HOUR_DETAIL, and SUBZONE_LOAD download template
- Submit meter authority agreement flag for each of the days specified using the METER_AUTHORITY_AGREEMENT upload template.

4) Digital Certificates

In order to access the NYISO upload/download application all users need to apply for a digital certificate. This can be done by going to the Customer Relations section of the NYISO website or by contacting the NYISO Customer Relations Department.. For testing purposes the specific user that will be performing the testing will need to apply for a digital certificate.

5) Test System Availability

- a) May 19 – 23 and May 27 - 30
- b) Hours of Availability: 9:00 am – 2:00 pm

6) System Access

Meter Authorities will be provided a Password for use during Meter Authority testing. These fields must be used in order to successfully submit and retrieve test files. **As with all User IDs this information should be maintained confidential and not be shared.**

7) Detailed Information

Refer to the Web Based Reconciliation User's Guide (dated May 2) for detailed information.

8) Contact Information

For specific questions regarding web-based reconciliation testing please contact the following Customer Relations Personnel:

Rick Brophy
Phone number: 356-6267
Email: rbrophy@nyiso.com

Or

Frank Ciani
Phone number: 356-7529
Email: fciani@nyiso.com

9) Error Code Listing

The following is a listing of new error codes that have been added as part of the Web Based Reconciliation application.

Error Number	The Error Number raised and returned to the user
Error Name	Name of Error - short label
Error Message	Actual text message returned to the user

<P1> in the Error Message this stands for Parameter 1. This is where we pass to the error message the ID that failed. You will see messages that have multiple parameters. We try to pass back as much information as possible to understand what the error was, and what record it occurred on.

Error Number	Error Name	Error Message
12505	rpGenUnitNonZeroMaxOperLimit	Group Gen. Unit must have max_summer/winter_oper_limit = 0
12506	NonGrpGenMaxOperLimit	'Non-Group Gen. Unit must have max_summer/winter_oper_limit >=2.0 and > phys._min_gen'
75000	UserNotAuthMsg	Error: User <P1> is not authorized to submit meter data for <P2> with PT ID: <P3>.
75001	MonthNotOpenMsg	Error: Month <P1> is not open for update of meter data.
75002	UserNotQualMsg	Error: User <P1> not Qualified to Submit Meter Data.
75003	TieNotQualMsg	Error: Tie <P1> not Meter Qualified.
75004	GenNotQualMsg	Error: Generator <P1> not Meter Qualified.
75005	SubzNotQualMsg	Error: Subzone <P1> not Meter Qualified.
75006	NullIdMsg	Error: Null <P1> ID IS Received.
75007	Not25HrDayMsg	Error: Hour 25 cannot be submitted for this date: "<P1>".
75008	NoInvoiceMsg	Error: Invoice not setup for month <P1>.
75009	NoInvDayMeterMsg	Error: Invoice day Meter versions not found for <P1>.
75010	NoInvDayMsg	Error: Invoice day versions not found for <P1>.
75011	BuszNotQualMsg	Error: Bus <P1> not Meter Qualified.
75012	NullMegaWatt	ERROR: PTID "<P1>" does not have valid Megawatt value.
75013	PtidNotInTable	Error: <P1> is not a valid <P2> PTID.
75014	UserNotAuthsubver	Error: User <P1> is not authorized to submit meter agreement flag for <P2> with PT ID: <P3>.
75015	NoMeterAuth	Error: Meter Authority record missing for <P1>
100022	AddRemoveGenBillOrgMsg	Must be an ISO administrator to assign/remove the billing organization.
100023	AddRemoveLSEBillOrgMsg	Must be an ISO administrator to assign/remove the billing organization.
100049	AddRemoveLSEBillOrgMsg02	Cannot delete <P1> record with <P2>. The last existing <P3> record for an <P4> cannot be deleted.
100050	AddRemoveLSEBillOrgMsg03	Cannot delete <P1> record with <P2>. It is not the latest <P3> record.
100070	TieNotFoundMsg	Tie <P1> not found.
100071	OrgNotTiePrivMsg	User's organization is not metering authority for tie.
100072	OrgNotSubzPrivMsg	User's organization is not metering authority for subzone.
100073	InUpMeterAuthOrgPrivMsg	Must be either an ISO administrator or the organization's administrator to insert/update it's metering authority.
100074	InUpMeterAuthOrgType	<P1> can only be registered to an organization which is qualified to submit meter data.
100075	InUpMeterAuthOrgDup	This organization, <P1>, is already assigned as the metering authority for <P2>.
100076	InUpMeterAuthOrgUser	Cannot deactivated the organization as the bus's metering authority while user are still assigned to the bus
100077	MeterAuthOrgNotFound	Metering authority not found for, <P1>.
100078	OrgNotBusPrivMsg	User's organization is not metering authority for bus.
100080	GENLSENotAuth	Must be an ISO administrator to update <P1> LSEs.
100081	GenLseNotFound	<P1> not found for <P2>: <P3> and LSE: <P4>.

Error Number	Error Name	Error Message
100082	GenNotTyp12	Only type 12 generators can be assigned an LSE.
100083	BeforeDADRPEffDate	Cannot assign an LSE to a generator before the effective date of the DADRP program.
100084	DelNotAllowed	<P1> cannot be deleted for <P2>: <P3> and LSE: <P4>. End date is not NULL; cannot delete old relationships.
100085	CantUpdNotFirst	Can only update if one and only 1 record exists.
100086	CantDelFirst	<P1> cannot be deleted for <P2>: <P3> and LSE: <P4>. At least one relationship must exist.
100087	NoBillingOrg	Generator cannot be assigned to LSE that does not have a billing org.
100088	NoBillOrgorLims	Must assign a billing org and set generator limits before turning on bid flags.
100089	NoBillOrg	Must assign a billing org before turning on bid flag.
100090	GENLimNotAuth	Must be an ISO administrator to insert <P1>.
100091	GenLimNotFound	<P1> not found for <P2>: <P3>.
100092	BeforestartUp	Cannot have start effective date be before NYISO startup date: <P1>.
100093	CantBeActiveNoBillOrg	Active generators must have billing organization identification.
100094	DelGenLimNotAllowed	<P1> cannot be deleted for <P2>: <P3>. End date is not NULL; can not delete old relationships.
100095	x_GroupUnitCantBid	Group generators cannot have bid flags turned on.
100096	CantDelFirstGenLim	<P1> cannot be deleted for <P2>: <P3>. Atleast one relationship must exist.
100098	NoBillOrg2	Must assign a billing org before turning on <P1> bid flags.
100099	NoLimits	Generator must have winter/summer limits before turning on bid flags.
230072	ADD_LSE_BILLING_ORG072	To Insert <P1> record START_DATE must be GREATER than latest existing record start_date.
230073	ADD_LSE_BILLING_ORG073	The Organization with org_id = <P1> is already the latest billing org for this <P2>.
230074	ADD_LSE_BUS074	The LSE with lse_id = <P1> is already the latest lse for this bus.
230075	ADD_LSE_BUS075	To Insert LSE_BUSES record START_DATE must be GREATER than latest existing record start_date.
230103	UPDATE_USER4	Cannot inactivate the user. The User is currently a user of one or more ties. Must remove the tie(s) from the user before inactivating the user.
230104	UPDATE_USER5	Cannot inactivate the user. The User is currently a user of one or more subzones. Must remove the subzone(s) from the user before inactivating the user.
230110	ADD_TIESUBZ_USERS110	Must be an administrator of the organization to authorize user to submit meter data.
230111	ADD_TIE_USERS111	Tie must be active to authorize user to submit meter data.
230112	ADD_TIESUBZ_USERS112	User "<P1>" is not authorized to submit meter data for "<P2>".
230113	ADD_SUBZONE_USERS113	Subzone must be active to authorize user to submit meter data.
330019	IN_UP_BUSES	Must assign a Load Serving Entity for <P1> before turning on bid flags.
330041	DELETE_LSE1	Cannot delete/update Load Serving Entity ptid unless LOAD_SERVING_ENTITY_CRITICAL_UPDATES_ALLOWED is set to Y..
330110	INSERT_UPDATE_TIE110	Tie cannot have the same To subzone(<P1>) and From subzone(<P2>).
330111	INSERT_UPDATE_TIE111	The PTID already exists and cannot be reused. It may be used currently or was used historically by a Tie or Generator.
330112	INSERT_UPDATE_TIE112	Tie cannot have both the To subzone (<P1>) and the From subzone (<P2>) be external.

Error Number	Error Name	Error Message
330115	INSERT_UPDATE_TIE115	Must be an ISO administrator to add a tie.
330116	UPDEL_TIEGEN_SUBZ	Cannot inactivate or delete <P1> when meter MWs have previously been submitted.
330135	UPDATE_ADMINISTRATORS135	Cannot remove permission to administer MAs. Administrator is currently an administrator of a MA.
330149	'GenBillingOrgBackDate'	'GEN_BILLING_ORG_START_DATE Can"t be BackDated if Global Parameter GEN_BILLING_ORG_BACKDATE_ALLOWED = N'
330178	UPDATE_ORGANIZATIONS178	Cannot change org_type_id from 8. Org is the current Meter Authority for a BUS, GEN, SUBZONE, or TIE.
330182	'UPDATE182'	'Metering Authority Effective Date cannot be backdated unless parameter ALLOW_METER_AUTHORITY_CHANGE is set to Y'