

JESS Upload Download Template Revisions

4/15/2015 Customer Focus Group

1.1 Upload/Download Template Overview

To submit an upload/download request through a web browser the user will select the Browse button as noted in the figure below and select the file containing the upload/download request details. Once the file has been selected, the User will click the Upload button to initiate the data exchange with the JESS application. The web browser will present the user with a response which the user may view on the page and save. The content and structure of the response file is specific to each of the templates. In the event that the file submitted by the user fails any validations steps, the user will be presented with an error. Details regarding error messages are noted below in Section [3.4](#)

Note that in order to access the upload function in JESS, the user must have a valid NYISO digital certificate. See Section [1.8](#)

Submitting an Upload/Download Request

← Log into JESS

NYISO NEW YORK INDEPENDENT SYSTEM OPERATOR

JESS Upload/Download

File: Browse...

Each Market Participant is responsible for entering bid information into the Market Information System accurately, completely, and in a timely fashion. Each Market Participant is responsible for the results, intended or otherwise, of its individual bidding strategies. The NYISO's liability for damages to any Market Participant or other party that may result from its administration of the wholesale energy markets in New York is strictly limited under Section 12.3 of the NYISO Market Administration and Control Area Services Tariff to direct damages resulting from gross negligence or intentional misconduct.

Upload

JESS employs the following Upload Templates:

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Submit External Transaction--Used to submit or update External Transaction Bids

Confirm External Transaction--Used to update source, sink, and FRP confirmation status for External Transaction Bids

Delete External Transaction--Used to delete External Transaction Bids

JESS employs the following Download Templates:

- **Download External Transaction Bids and Schedules**--Used to retrieve transaction Bids and schedule related information
- **Download Transaction Contracts**--Used to retrieve transaction contract related information

Each template includes a defined structure for both a Request and a Response. The Request defines the structure of the file the user is sending to the JESS application. The Response defines the structure of the file the user receives from the JESS application.

Each Request and Response file is divided into two sections: a Header and a Body. The structure of the Body for each of the files is specific to the particular template. Details on the Body structures are defined below specifically for each template in [Section 3.3](#).

The Header sections of these files employ a common structure with the following mandatory fields.

For an Upload Template the Request file Header will include:

1. BID_TYPE – Indicates the type of information requested or the Bid being supplied
2. USERID – To log on to MIS
3. PASSWORD – To log on to MIS
4. DATA ROWS – The number of records that follow

For an Upload Template the Response file Header will include:

1. TIME_STAMP – An indication of the time that the MIS processed the information
2. BID_TYPE – An indication of the type of information requested or the Bid that is being supplied (See valid Bid types above)
3. DATA ROWS – The number of records that follow

For a Download Template the Request file Header will include:

1. USERID – To log on to MIS
2. PASSWORD – To log on to MIS
3. QUERY_TYPE – Indicates the type of information requested or bid that is being supplied

For a Download Template the Response file Header will include:

1. TIME_STAMP – An indication of the time that the MIS processed information

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2. BID_TYPE – An indication of the type of information requested (see valid bid types above)
3. DATA ROWS – The number of records that follow

In addition to the mandatory fields noted above there are a number of optional fields that may be specified in the Header of each of the templates. These fields are noted in the relevant sections for each of the templates.

Each field in the Header section of the file should be placed on a separate line (separated by a carriage return.) Each field in the body of the file should be placed on the same line separated by a comma between each field.

1.2 Upload/Download Field Definitions

Parameter	Data Type	Description
Real Time Bid Schedule Type ID	NUM(1)	A number indicating the bid type. Valid Bid Types are: 2 – Hourly LBMP 3 – 15-Min LBMP 4 – Hourly CTS 5 – 15-Min CTS
Date & Time	CHAR(16)	Starting time of bid (MM/DD/YYYY HH24:00).
Duration	NUM(3)	Number of hours the bid is good for (beginning with the submitted Date & time)
Source Name	CHAR(36)	Generator name, exactly as shown in the MIS, that is the source for the External Transaction.
Source PTID	NUM(6)	Generator PTID, exactly as shown in the MIS, that is the source for the External Transaction.
Sink Name	CHAR(36)	Load name, exactly as shown in the MIS, that is the sink for the External Transaction.
Sink PTID	NUM(6)	PTID for a load, exactly as shown in the MIS, that is the sink for the External Transaction.
Market	CHAR(9)	Market associated with bid (HAM , DAM)
Sending Control Area	CHAR(4)	Sending control area specified in the NERC e-Tag.
MHBT	CHAR(1)	Header parameter indicating whether all the bids in the file are Multi-Hour Block Transactions (MHBT) or are all non-MHBT. This is an optional header parameter for the file that, if not provided, is treated as if the value was "N". Valid values: Y – all bids in the file are MHBTs N – all bids in the file are <u>not</u> MHBTs
PSE	CHAR(6)	Purchase selling entity specified in the NERC e-Tag.
PSE Number	CHAR(7)	Unique number assigned by PSE that is specified in the NERC e-Tag.

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Parameter	Data Type	Description
Receiving Control Area	CHAR(4)	Receiving control area specified in the NERC e-Tag.
NERC Priority	NUM(2)	NERC Priority of transaction.
User Reference	CHAR(16)	A reference used by the User to uniquely identify this transaction.
NERC e-Tag Status Check	CHAR(20)	A value which shows the current state of the NYISO's e-Tag check, which ensures a valid NERC e-Tag has been submitted to the tagging authority by the time NYISO's RTM Close occurs.
Energy Profile MW Curve 1	NUM(5)	For all DAM and HAM External Transaction bids employing a single hourly curve; the Maximum Energy MW that can be scheduled against the bid for the hour. For HAM External Transaction bids employing multiple bid curves; the Maximum Energy MW that can be scheduled against the bid for minutes :00-:15 of the bid hour
Energy Profile MW Curve 2	NUM(5)	For HAM External Transaction bids employing multiple bid curves; the Maximum Energy MW that can be scheduled against the bid for minutes :15-:30 of the bid hour.
Energy Profile MW Curve 3	NUM(5)	For HAM External Transaction bids employing multiple bid curves; the Maximum Energy MW that can be scheduled against the bid for minutes :30-:45 of the bid hour.
Energy Profile MW Curve 4	NUM(5)	For HAM External Transaction bids employing multiple bid curves; the Maximum Energy MW that can be scheduled against the bid for minutes :45-:00 of the bid hour.
Bid Curve MW Points	NUM(5)	Up to eleven MW values may be specified for each block of time (hour or quarter-hour) in a bid.
Bid Curve \$/MW Points	NUM(5)	Up to eleven \$/MW values may be specified for each block of time (hour or quarter-hour) in a bid.
Minimum Runtime	NUM(3)	Minimum number of hours that must be selected if bid is accepted. This is only applicable to MHB.T.
RTM Bid Price	NUM(6,2)	A price submitted with a DAM bid to indicate the price to be used in real-time (RTM) evaluation, should the DAM bid be accepted.
Bid ID	NUM(32)	The NYISO's internal unique identifier for the bid.
Hourly Evaluation Default Bid Block	NUM(1)	For HAM bids with a BID Schedule Type equal to 15-Min LBMP or 15-Min CTS this value identifies which of the four quarter-hour bid curves (MW , \$/MW, Energy Profile MW) should be used as the default bid curve when 15-minute scheduling has been disabled and the NYISO is scheduling on an hourly basis.
Transaction ID	NUM(32)	The NYISO's unique identifier of the static contract data associated with the bid.
Confirm Status	CHAR(1)	Status of confirmation the bid should be set to "Y" or "N".
NYISO FRP Confirm Status	CHAR(1)	Flag indicating if NYISO FRP has agreed to transaction bid.
Non-NYISO FRP Confirm Status	CHAR (1)	Flag indicating if Non-NYISO FRP (organization) has agreed to transaction bid.
Seller Confirm Status	CHAR(1)	Flag indicating if seller has agreed to transaction bid.
Buyer Confirm Status	CHAR(1)	Flag indicating if buyer has agreed to transaction bid.

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Parameter	Data Type	Description
Scheduled Energy	NUM(5,1)	Amount of energy scheduled (MW)
Checkout MW	NUM(5)	Schedule confirmed between control areas during checkout
Schedule Timestamp	DATE	Timestamp of the schedule, if any, associated with the row of data.
Schedule Type		If the MARKET header parameter indicates HAM, this optional SCHEDULES header parameter further restricts the resulting rows to either RTC schedules only or RTD schedules only. If this parameter is not specified, both RTC and RTD schedules will be provided in the download. Valid values for this header parameter: <ul style="list-style-type: none"> • RTC • RTD
Bid Status	CHAR (20)	Current status of the bid (validation failed, validation passed, accepted, etc.)
Message	CHAR (1000)	Validation messages providing bid details. Multiple messages are separated by a semi-colon.
NYISO Org	CHAR/NUM	Identifies NYISO organization responsible for the bid. Formatted as "NYISO Org Name (Org ID)"
Non-NYISO Org	CHAR/NUM	Identifies Non-NYISO organization, i.e. the ISO-NE organization, responsible for the bid, if applicable. Formatted as "Non-NYISO Org Name (Org ID)"
NYISO Org ID	NUM(32)	Used to specify organization ID of the NYISO Organization responsible for the bid. This field may only be specified for bids at the CTS enabled proxy bus with ISO-NE. For bids submitted by a NYISO user this value must be null. For bids submitted by an ISO-NE user at the CTS enabled proxy bus with ISO-NE user must provide a valid NYISO Org ID.
Non-NYISO Org ID	NUM(32)	Used to specify organization ID of the Non-NYISO Organization responsible for the bid. This field may only be specified for bids at the CTS enabled proxy bus with ISO-NE. For bids submitted by an ISO-NE user this value must be null. For bids submitted by a NYISO user at the CTS enabled proxy bus with ISO-NE user must provide -a valid ISO-NE Org ID.
GIS Identifier	CHAR(35)	NEPOOL Generation Information System identifier.
Assigned Contact User	CHAR (50)	User designated to receive messages associated with contract, if applicable.
Last Update Time	CHAR(16)	Time at which contract was last updated (MM/DD/YYYY HH24:00).

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1.3 Submit External Transaction Bids

1.3.1 Submit External Transaction Bids –Request

The *BID_TYPE/QUERY TYPE* for this template is: EXT_TRAN_BID

Submitting an External Transaction Bid – Headers Fields

Field	Mandatory	Description
BID_TYPE	Y	EXT_TRAN_BID
USERID	Y-for NYISO users	ISO-NE users may not specify a USERID value
PASSWORD	Y	
DATA ROWS	Y	Number of rows contained in upload request body.
UPLOAD_RESPONSE	N	"Y" or "N"; allows user to specify details included in Upload Response
MHBT	N	Header parameter indicating whether all the bids in the file are Multi-hour Block Transactions (MHBT) or are all non-MHBT. This is an optional header parameter for the file that, if not provided, is treated as if the value was "N". Valid values: Y – bids in the file are MHBTs N – bids in the file are not MHBTs

Submitting an External Transaction Bid – Body Fields

Column #	Parameter
1	<u>Date & Time</u>
2	<u>Source Name/Source PTID</u>
3	<u>Sink Name/Sink PTID</u>
4	Market
5	NYISO Org ID spare
6	Non-NYISO Org ID spare
7	spare
8	<u>Sending Control Area</u>
9	<u>PSE</u>
10	<u>PSE Number</u>
11	<u>Receiving Control Area</u>
12	NERC priority spare
13	<u>User Reference</u>
14	GIS Identifiers spare
15	<u>Hourly Evaluation Default Bid Block</u>
16	<u>Real Time Bid Schedule Type ID</u>
17	<u>Minimum Runtime</u>
18	<u>RTM Bid Price</u>
19	<u>Duration</u>
20	spare

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Column #	Parameter
21	spare
22	<u>Energy Profile MW Curve 1</u>
23	<u>Bid Curve MW Point: Curve 1, Point 1</u>
24	<u>Bid Curve MW Point: Curve 1, Point 2</u>
25	<u>Bid Curve MW Point: Curve 1, Point 3</u>
26	<u>Bid Curve MW Point: Curve 1, Point 4</u>
27	<u>Bid Curve MW Point: Curve 1, Point 5</u>
28	<u>Bid Curve MW Point: Curve 1, Point 6</u>
29	<u>Bid Curve MW Point: Curve 1, Point 7</u>
30	<u>Bid Curve MW Point: Curve 1, Point 8</u>
31	<u>Bid Curve MW Point: Curve 1, Point 9</u>
32	<u>Bid Curve MW Point: Curve 1, Point 10</u>
33	<u>Bid Curve MW Point: Curve 1, Point 11</u>
34	<u>Bid Curve \$/MW Point: Curve 1, Point 1</u>
35	<u>Bid Curve \$/MW Point: Curve 1, Point 2</u>
36	<u>Bid Curve \$/MW Point: Curve 1, Point 3</u>
37	<u>Bid Curve \$/MW Point: Curve 1, Point 4</u>
38	<u>Bid Curve \$/MW Point: Curve 1, Point 5</u>
39	<u>Bid Curve \$/MW Point: Curve 1, Point 6</u>
40	<u>Bid Curve \$/MW Point: Curve 1, Point 7</u>
41	<u>Bid Curve \$/MW Point: Curve 1, Point 8</u>
42	<u>Bid Curve \$/MW Point: Curve 1, Point 9</u>
43	<u>Bid Curve \$/MW Point: Curve 1, Point 10</u>
44	<u>Bid Curve \$/MW Point: Curve 1, Point 11</u>
45	<u>Energy Profile MW Curve 2</u>
46	<u>Bid Curve MW Point: Curve 2, Point 1</u>
47	<u>Bid Curve MW Point: Curve 2, Point 2</u>
48	<u>Bid Curve MW Point: Curve 2, Point 3</u>
49	<u>Bid Curve MW Point: Curve 2, Point 4</u>
50	<u>Bid Curve MW Point: Curve 2, Point 5</u>
51	<u>Bid Curve MW Point: Curve 2, Point 6</u>
52	<u>Bid Curve MW Point: Curve 2, Point 7</u>
53	<u>Bid Curve MW Point: Curve 2, Point 8</u>
54	<u>Bid Curve MW Point: Curve 2, Point 9</u>
55	<u>Bid Curve MW Point: Curve 2, Point 10</u>
56	<u>Bid Curve MW Point: Curve 2, Point 11</u>
57	<u>Bid Curve \$/MW Point: Curve 2, Point 1</u>
58	<u>Bid Curve \$/MW Point: Curve 2, Point 2</u>
59	<u>Bid Curve \$/MW Point: Curve 2, Point 3</u>
60	<u>Bid Curve \$/MW Point: Curve 2, Point 4</u>
61	<u>Bid Curve \$/MW Point: Curve 2, Point 5</u>
62	<u>Bid Curve \$/MW Point: Curve 2, Point 6</u>

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Column #	Parameter
63	<u>Bid Curve \$/MW Point: Curve 2, Point 7</u>
64	<u>Bid Curve \$/MW Point: Curve 2, Point 8</u>
65	<u>Bid Curve \$/MW Point: Curve 2, Point 9</u>
66	<u>Bid Curve \$/MW Point: Curve 2, Point 10</u>
67	<u>Bid Curve \$/MW Point: Curve 2, Point 11</u>
68	<u>Energy Profile MW Curve 3</u>
69	<u>Bid Curve MW Point: Curve 3, Point 1</u>
70	<u>Bid Curve MW Point: Curve 3, Point 2</u>
71	<u>Bid Curve MW Point: Curve 3, Point 3</u>
72	<u>Bid Curve MW Point: Curve 3, Point 4</u>
73	<u>Bid Curve MW Point: Curve 3, Point 5</u>
74	<u>Bid Curve MW Point: Curve 3, Point 6</u>
75	<u>Bid Curve MW Point: Curve 3, Point 7</u>
76	<u>Bid Curve MW Point: Curve 3, Point 8</u>
77	<u>Bid Curve MW Point: Curve 3, Point 9</u>
78	<u>Bid Curve MW Point: Curve 3, Point 10</u>
79	<u>Bid Curve MW Point: Curve 3, Point 11</u>
80	<u>Bid Curve \$/MW Point: Curve 3, Point 1</u>
81	<u>Bid Curve \$/MW Point: Curve 3, Point 2</u>
82	<u>Bid Curve \$/MW Point: Curve 3, Point 3</u>
83	<u>Bid Curve \$/MW Point: Curve 3, Point 4</u>
84	<u>Bid Curve \$/MW Point: Curve 3, Point 5</u>
85	<u>Bid Curve \$/MW Point: Curve 3, Point 6</u>
86	<u>Bid Curve \$/MW Point: Curve 3, Point 7</u>
87	<u>Bid Curve \$/MW Point: Curve 3, Point 8</u>
88	<u>Bid Curve \$/MW Point: Curve 3, Point 9</u>
89	<u>Bid Curve \$/MW Point: Curve 3, Point 10</u>
90	<u>Bid Curve \$/MW Point: Curve 3, Point 11</u>
91	<u>Energy Profile MW Curve 4</u>
92	<u>Bid Curve MW Point: Curve 4, Point 1</u>
93	<u>Bid Curve MW Point: Curve 4, Point 2</u>
94	<u>Bid Curve MW Point: Curve 4, Point 3</u>
95	<u>Bid Curve MW Point: Curve 4, Point 4</u>
96	<u>Bid Curve MW Point: Curve 4, Point 5</u>
97	<u>Bid Curve MW Point: Curve 4, Point 6</u>
98	<u>Bid Curve MW Point: Curve 4, Point 7</u>
99	<u>Bid Curve MW Point: Curve 4, Point 8</u>
100	<u>Bid Curve MW Point: Curve 4, Point 9</u>
101	<u>Bid Curve MW Point: Curve 4, Point 10</u>
102	<u>Bid Curve MW Point: Curve 4, Point 11</u>
103	<u>Bid Curve \$/MW Point: Curve 4, Point 1</u>
104	<u>Bid Curve \$/MW Point: Curve 4, Point 2</u>

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Column #	Parameter
105	<u>Bid Curve \$/MW Point</u> : Curve 4, Point 3
106	<u>Bid Curve \$/MW Point</u> : Curve 4, Point 4
107	<u>Bid Curve \$/MW Point</u> : Curve 4, Point 5
108	<u>Bid Curve \$/MW Point</u> : Curve 4, Point 6
109	<u>Bid Curve \$/MW Point</u> : Curve 4, Point 7
110	<u>Bid Curve \$/MW Point</u> : Curve 4, Point 8
111	<u>Bid Curve \$/MW Point</u> : Curve 4, Point 9
112	<u>Bid Curve \$/MW Point</u> : Curve 4, Point 10
113	<u>Bid Curve \$/MW Point</u> : Curve 4, Point 11

Submit External Transaction Bid Request Example:

BID_TYPE=EXT_TRAN_BID&
 USERID= testusr&
 PASSWORD= testpw1!&
 MHBT= &
 Upload_Response =Y&
 DATA_ROWS=1&

10/20/2014 15:00:00,NYISO_LBMP_REFERENCE,NE_LOAD_SANDY PD,HAM,,1038760,,NYIS,Test
 PSE,1234,ISNE,7,ABC123,GIS123,3,3,,,1,,,10,2,4,6,8,10,,,,,1.2,1.4,1.6,1.8,2,,,,,26,20,22,24,26,,,,,2.1,2.2,2.3,2.
 4,,,,,36,30,32,34,36,,,,,3.1,3.2,3.3,3.4,,,,,46,40,42,44,46,,,,,4.1,4.2,4.3,4.4

1.3.2 Submit External Transaction Bids –Response

Submitting an External Transaction Bid Response– Header Fields

Field	Mandatory	Description
TIME_STAMP	N/A	
BID_TYPE	N/A	EXT_TRAN_BID
DATA ROWS	N/A	

Submitting an External Transaction Bid Response– Body Fields

Column #	Parameter
1	<u>Date & Time</u>
2	<u>Source Name</u>
3	<u>Source PTID</u>
4	<u>Sink Name</u>
5	<u>Sink PTID</u>
6	<u>Market</u>
7	<u>NYISO Org</u> -spare
8	<u>Non-NYISO Org</u> -spare
9	spare
10	<u>Sending Control Area</u>
11	<u>PSE</u>
12	<u>PSE Number</u>

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Column #	Parameter
13	spare
14	<u>Receiving Control Area</u>
15	<u>NERC Priority</u>
16	<u>User Reference</u>
17	<u>GIS Identifiers</u> spare
18	<u>NERC e-Tag Status Check</u>
19	<u>Checkout MW</u>
20	<u>Bid ID</u>
21	<u>Transaction ID</u>
22	<u>NYISO FRP Confirm Status</u> -FRP-confirm status
23	<u>Seller Confirm Status</u>
24	<u>Buyer Confirm Status</u>
25	<u>Non-NYISO FRP Confirm Status</u> spare
26	<u>Scheduled Energy</u>
27	<u>Minimum Runtime</u>
28	<u>RTM Bid Price</u>
29	<u>Hourly Evaluation Default Bid Block</u>
30	<u>Real Time Bid Schedule Type ID</u>
31	<u>Schedule Timestamp</u>
32	<u>Bid Status</u>
33	<u>Message</u>
34	spare
35	spare
36	<u>Energy Profile MW Curve 1</u>
37	<u>Bid Curve MW Point: Curve 1, Point 1</u>
38	<u>Bid Curve MW Point: Curve 1, Point 2</u>
39	<u>Bid Curve MW Point: Curve 1, Point 3</u>
40	<u>Bid Curve MW Point: Curve 1, Point 4</u>
41	<u>Bid Curve MW Point: Curve 1, Point 5</u>
42	<u>Bid Curve MW Point: Curve 1, Point 6</u>
43	<u>Bid Curve MW Point: Curve 1, Point 7</u>
44	<u>Bid Curve MW Point: Curve 1, Point 8</u>
45	<u>Bid Curve MW Point: Curve 1, Point 9</u>
46	<u>Bid Curve MW Point: Curve 1, Point 10</u>
47	<u>Bid Curve MW Point: Curve 1, Point 11</u>
48	<u>Bid Curve MW Point: Curve 1, Point 12</u>
49	<u>Bid Curve \$/MW Point: Curve 1, Point 1</u>
50	<u>Bid Curve \$/MW Point: Curve 1, Point 2</u>
51	<u>Bid Curve \$/MW Point: Curve 1, Point 3</u>
52	<u>Bid Curve \$/MW Point: Curve 1, Point 4</u>
53	<u>Bid Curve \$/MW Point: Curve 1, Point 5</u>
54	<u>Bid Curve \$/MW Point: Curve 1, Point 6</u>
55	<u>Bid Curve \$/MW Point: Curve 1, Point 7</u>

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Column #	Parameter
56	<u>Bid Curve \$/MW Point: Curve 1, Point 8</u>
57	<u>Bid Curve \$/MW Point: Curve 1, Point 9</u>
58	<u>Bid Curve \$/MW Point: Curve 1, Point 10</u>
59	<u>Bid Curve \$/MW Point: Curve 1, Point 11</u>
60	<u>Bid Curve \$/MW Point: Curve 1, Point 12</u>
61	<u>Energy Profile MW Curve 2</u>
62	<u>Bid Curve MW Point: Curve 2, Point 1</u>
63	<u>Bid Curve MW Point: Curve 2, Point 2</u>
64	<u>Bid Curve MW Point: Curve 2, Point 3</u>
65	<u>Bid Curve MW Point: Curve 2, Point 4</u>
66	<u>Bid Curve MW Point: Curve 2, Point 5</u>
67	<u>Bid Curve MW Point: Curve 2, Point 6</u>
68	<u>Bid Curve MW Point: Curve 2, Point 7</u>
69	<u>Bid Curve MW Point: Curve 2, Point 8</u>
70	<u>Bid Curve MW Point: Curve 2, Point 9</u>
71	<u>Bid Curve MW Point: Curve 2, Point 10</u>
72	<u>Bid Curve MW Point: Curve 2, Point 11</u>
73	<u>Bid Curve MW Point: Curve 2, Point 12</u>
74	<u>Bid Curve \$/MW Point: Curve 2, Point 1</u>
75	<u>Bid Curve \$/MW Point: Curve 2, Point 2</u>
76	<u>Bid Curve \$/MW Point: Curve 2, Point 3</u>
77	<u>Bid Curve \$/MW Point: Curve 2, Point 4</u>
78	<u>Bid Curve \$/MW Point: Curve 2, Point 5</u>
79	<u>Bid Curve \$/MW Point: Curve 2, Point 6</u>
80	<u>Bid Curve \$/MW Point: Curve 2, Point 7</u>
81	<u>Bid Curve \$/MW Point: Curve 2, Point 8</u>
82	<u>Bid Curve \$/MW Point: Curve 2, Point 9</u>
83	<u>Bid Curve \$/MW Point: Curve 2, Point 10</u>
84	<u>Bid Curve \$/MW Point: Curve 2, Point 11</u>
85	<u>Bid Curve \$/MW Point: Curve 2, Point 12</u>
86	<u>Energy Profile MW Curve 3</u>
87	<u>Bid Curve MW Point: Curve 3, Point 1</u>
88	<u>Bid Curve MW Point: Curve 3, Point 2</u>
89	<u>Bid Curve MW Point: Curve 3, Point 3</u>
90	<u>Bid Curve MW Point: Curve 3, Point 4</u>
91	<u>Bid Curve MW Point: Curve 3, Point 5</u>
92	<u>Bid Curve MW Point: Curve 3, Point 6</u>
93	<u>Bid Curve MW Point: Curve 3, Point 7</u>
94	<u>Bid Curve MW Point: Curve 3, Point 8</u>
95	<u>Bid Curve MW Point: Curve 3, Point 9</u>
96	<u>Bid Curve MW Point: Curve 3, Point 10</u>
97	<u>Bid Curve MW Point: Curve 3, Point 11</u>
98	<u>Bid Curve MW Point: Curve 3, Point 12</u>
99	<u>Bid Curve \$/MW Point: Curve 3, Point 1</u>

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Column #	Parameter
100	<u>Bid Curve \$/MW Point: Curve 3, Point 2</u>
101	<u>Bid Curve \$/MW Point: Curve 3, Point 3</u>
102	<u>Bid Curve \$/MW Point: Curve 3, Point 4</u>
103	<u>Bid Curve \$/MW Point: Curve 3, Point 5</u>
104	<u>Bid Curve \$/MW Point: Curve 3, Point 6</u>
105	<u>Bid Curve \$/MW Point: Curve 3, Point 7</u>
106	<u>Bid Curve \$/MW Point: Curve 3, Point 8</u>
107	<u>Bid Curve \$/MW Point: Curve 3, Point 9</u>
108	<u>Bid Curve \$/MW Point: Curve 3, Point 10</u>
109	<u>Bid Curve \$/MW Point: Curve 3, Point 11</u>
110	<u>Bid Curve \$/MW Point: Curve 3, Point 12</u>
111	<u>Energy Profile MW Curve 4</u>
112	<u>Bid Curve MW Point: Curve 4, Point 1</u>
113	<u>Bid Curve MW Point: Curve 4, Point 2</u>
114	<u>Bid Curve MW Point: Curve 4, Point 3</u>
115	<u>Bid Curve MW Point: Curve 4, Point 4</u>
116	<u>Bid Curve MW Point: Curve 4, Point 5</u>
117	<u>Bid Curve MW Point: Curve 4, Point 6</u>
118	<u>Bid Curve MW Point: Curve 4, Point 7</u>
119	<u>Bid Curve MW Point: Curve 4, Point 8</u>
120	<u>Bid Curve MW Point: Curve 4, Point 9</u>
121	<u>Bid Curve MW Point: Curve 4, Point 10</u>
122	<u>Bid Curve MW Point: Curve 4, Point 11</u>
123	<u>Bid Curve MW Point: Curve 4, Point 12</u>
124	<u>Bid Curve \$/MW Point: Curve 4, Point 1</u>
125	<u>Bid Curve \$/MW Point: Curve 4, Point 2</u>
126	<u>Bid Curve \$/MW Point: Curve 4, Point 3</u>
127	<u>Bid Curve \$/MW Point: Curve 4, Point 4</u>
128	<u>Bid Curve \$/MW Point: Curve 4, Point 5</u>
129	<u>Bid Curve \$/MW Point: Curve 4, Point 6</u>
130	<u>Bid Curve \$/MW Point: Curve 4, Point 7</u>
131	<u>Bid Curve \$/MW Point: Curve 4, Point 8</u>
132	<u>Bid Curve \$/MW Point: Curve 4, Point 9</u>
133	<u>Bid Curve \$/MW Point: Curve 4, Point 10</u>
134	<u>Bid Curve \$/MW Point: Curve 4, Point 11</u>
135	<u>Bid Curve \$/MW Point: Curve 4, Point 12</u>

Submit External Transaction Bid Response Example

TIME_STAMP=10/17/2014 10:33
 BID_TYPE=EXT_TRAN_BID
 DATA_ROWS=1

"10/20/2014 15:00", "NYISO_LBMP_REFERENCE", 24008, "-NE_LOAD_SANDY
 PD", 55858, "HAM", "NY ORG A (202460)", "NE ORG B (1038760)", "NYIS", "Test
 PSE", "0001234", "ISNE", 7, "ABC123", "GIS123", "PENDING", 611828432, 11566186, "Y",
 "Y", "Y", "Y", , , , 3, 3, "10/20/2014 15:00:00", "VALIDATION PASSED", "Validation

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Passed Subject to Credit

Evaluation." , , , 10, 2, 4, 6, 8, 10, , , , , , 1.2, 1.4, 1.6, 1.8, 2, , , , , , 26, 20, 22, 24, 26, , , , , , 2.1, 2.2, 2.3, 2.4, , , , , , 36, 30, 32, 34, 36, , , , , , 3.1, 3.2, 3.3, 3.4, , , , , , , 46, 40, 42, 44, 46, , , , , , 4.1, 4.2, 4.3, 4.4, , , , , ,

1.4 Confirm External Transaction

1.4.1 Confirm External Transaction –Request

The *BID_TYPE/QUERY TYPE* for this template is: EXT_TRAN_BID

Confirming an External Transaction Bid Response– Header Fields

Field	Mandatory	Description
BID_TYPE	Y	CONFIRM_EXT_TRAN_BID
USERID	Y-for NYISO users	ISO-NE users may not specify a USERID value
PASSWORD	Y	
DATA_ROWS	Y	Number of rows contained in upload request body.
UPLOAD_RESPONSE	N	"Y" or "N"; allows user to specify details included in Upload Response
PROCESS_UNIDENTIFIED_BIDS	N	An optional header parameter which instructs the MIS continue to process the entire submission file when bids are specified in the file that do not exist in the MIS.

Confirming an External Transaction Bid Response– Body Fields

Position #	Field
1	<u>Bid ID</u>
2	<u>Transaction ID</u>
3	<u>Date & Time</u>
4	<u>spare</u>
5	<u>Confirm Status</u>

Confirm External Transaction -Request Example:

```
BID_TYPE=CONFIRM_EXT_TRAN_BID&
USERID=testusr&
PASSWORD=testpw1!&
DATA_ROWS=1&,,,,
UPLOAD_RESPONSE=Y&,,,,
PROCESS_UNIDENTIFIED_BIDS=N&
577247784,10671000,3/13/2014 19:00,,N
```

1.4.2 Confirm External Transaction –Response

Confirming an External Transaction Bid Response– Header Fields (Example)

Field	Mandatory	Description
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Field	Mandatory	Description
TIME_STAMP	N/A	
BID_TYPE	N/A	CONFIRM_EXT_TRAN_BID
DATA ROWS	N/A	

Confirming an External Transaction Bid Response– Body Fields (Example)

Position #	Field
1	Bid ID
2	Transaction ID
3	Date & Time
4	NYISO FRP Confirm Status _frp_confirm status
5	Buyer Confirm Status
6	Seller Confirm Status
7	Bid Status
8	Message
<u>9</u>	Non-NYISO FRP Confirm Status

Confirm External Transaction -Response Example:

TIME_STAMP=03/13/2014 15:36

BID_TYPE=CONFIRM_EXT_TRAN_BID

DATA_ROWS=1

577247784,10671002,"03/13/2014 19:00","N","Y","N","WAITING CONFIRMATION","HAM bid created from approved DAM schedule." "N"

1.5 Delete External Transaction

1.5.1 Delete External Transaction–Request

The **BID_TYPE/QUERY TYPE** for this template is: DELETE_EXT_TRAN_BID

Deleting an External Transaction Bid Request– Header Fields

Field	Mandatory	Description
BID_TYPE	Y	DELETE_EXT_TRAN_BID
USERID	Y-for NYISO users	ISO-NE users may not specify a USERID value
PASSWORD	Y	
DATA ROWS	Y	Number of rows contained in upload request body.
UPLOAD_RESPONSE	N	"Y" or "N"; allows user to specify details included in Upload Response
PROCESS_UNIDENTIFIED_BIDS	N	An optional header parameter which instructs the MIS continue to process the entire submission file when bids are specified in the file that do not exist in the MIS.

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Deleting an External Transaction Bid Request– Body Fields

Position #	Field
1	Bid ID
2	Transaction ID
3	Date & Time
4	Market

Delete External Transaction -Request Example:

BID_TYPE=DELETE_EXT_TRAN_BID&
USERID=testusr&
PASSWORD=testpw1!&
DATA_ROWS=1&
UPLOAD_RESPONSE=Y&
PROCESS_UNIDENTIFIED_BIDS=Y&
576756704,5049913,3/15/2014 13:00,DAM

1.5.2 Delete External Transaction–Response

Deleting an External Transaction Bid Response– Header Fields (Example)

Field	Mandatory	Values
TIME_STAMP	N/A	
BID_TYPE	N/A	DELETE_EXT_TRAN_BID
DATA ROWS	N/A	

Deleting an External Transaction Bid Response– Body Fields (Example)

Position #	Field
1	Date & Time
2	Source Name
3	Source PTID
4	Sink Name
5	Sink PTID
6	Market
7	spare
8	spare
9	spare
10	spare
11	spare
12	NERC Priority
13	User Reference
14	spare
15	spare
16	spare
17	spare
18	Bid ID
19	Transaction ID

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20	spare
21	spare
22	spare
23	spare
24	spare
25	spare
26	Bid Status
27	Message
28	NYISO Org
29	Non-NYISO Org

Delete External Transaction -Response Example:

TIME_STAMP=03/13/2014 15:48

BID_TYPE=DELETE_EXT_TRAN_BID

DATA_ROWS=1

"03/15/2014 13:00","NYISO_LBMP_REFERENCE",24008,"
NE_LOAD_SANDY_PD",55858,"DAM",,,,,,7,"TEST REF",,,,,576756704,5049913,,,,,"VALIDATION
PASSED",,,,,[" NY ORG A \(202460\)"](#),[" NE ORG B \(1038760\)"](#)

1.6 Download External Transaction Bids and Schedules

1.6.1 Download External Transaction Bids and Schedules–Request

The *BID_TYPE/QUERY TYPE* for this template is: EXT_TRAN_SCH

Download External Transaction Bids and Schedule Request - Header

Field	Mandatory	Description
USERID	Y-for NYISO users	ISO-NE users may not specify a USERID value
PASSWORD	Y	
QUERY_TYPE	Y	EXT_TRAN_SCH
MARKET_TYPE	Y	DAM, HAM
DATE	Y	MM/DD/YYYY HH24:MI
TRANSACTION_ID	N	The NYISO unique identifier of the static contract data associated with the bid
SOURCE	N	Generator name or PTID shown in MIS
SINK	N	Load name or PTID shown in MIS
USER_REFERENCE	N	As defined in bid
STATUS	N	Pick one from list (see Reasons to Review Transaction Bids under Section 7.6.2 in the MPUG)
NUM_HOURS	N	A whole number between 1 and 23 which limits your query to a specified number of hours.

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MODIFIED_DATE	N	A date in MM/DD/YYYY HH24:MI format which restricts your query to only that data which has been modified since the specified date. Can be used to reduce the amount of unchanged data being retrieved more than once.
BID_SCHEDULE_TYPE_ID	N	A number indicating the bid type. Valid Bid Types are: 2 – Hourly LBMP 3 – 15-Min LBMP 4 – Hourly CTS 5 – 15-Min CTS
SCHEDULES	N	If the MARKET header parameter indicates HAM, this optional SCHEDULES header parameter further restricts the resulting rows to either RTC schedules only or RTD schedules only. If this parameter is not specified, both RTC and RTD schedules will be provided in the download. Valid values for this header parameter: RTC RTD

Download External Transaction Bids and Schedule Request - Body

Position #	Field	Description
N/A	N/A	N/A

Download External Transaction Bids and Schedules -Request Example:

```

USERID= testusr&
PASSWORD= testpw1!&
QUERY_TYPE=EXT_TRAN_SCH&
DATE=10/10/2014 09:00&
MARKET_TYPE= HAM&
TRANSACTION_ID=11566124&
SOURCE=NYISO_LBMP_REFERENCE&
SINK= NE_LOAD_SANDY_PD&
USER_REFERENCE=TEST1&
STATUS=BID ACCEPTED&
NUM_HOURS=1&
MODIFIED_DATE= 10/10/2014 00:00:00&
BID_SCHEDULE_TYPE_ID=5&
SCHEDULES=RTC&
    
```

1.6.2 Download External Transaction Bids and Schedules–Response

Download External Transaction Bids and Schedule Response - Header

Field	Mandatory	Description
TIME_STAMP	N/A	
BID_TYPE	N/A	EXT_TRAN_SCH
DATA ROWS	N/A	

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Download External Transaction Bids and Schedule Response - Body

Column #	Parameter
1	<u>Date & Time</u>
2	<u>Source Name</u>
3	<u>Source PTID</u>
4	<u>Sink Name</u>
5	<u>Sink PTID</u>
6	<u>Market</u>
7	<u>NYISO Org</u> spare
8	<u>Non-NYISO Org</u> spare
9	spare
10	<u>Sending Control Area</u>
11	<u>PSE</u>
12	<u>PSE Number</u>
13	spare
14	<u>Receiving Control Area</u>
15	<u>NERC Priority</u>
16	<u>User Reference</u>
17	<u>GIS Identifier</u> spare
18	<u>NERC e-Tag Status Check</u>
19	<u>Checkout MW</u>
20	<u>Bid ID</u>
21	<u>Transaction ID</u>
22	<u>NYISO FRP Confirm Status</u> FRP-confirm status
23	<u>Seller Confirm Status</u>
24	<u>Buyer Confirm Status</u>
25	<u>Non-NYISO FRP Confirm Status</u> spare
26	<u>Scheduled Energy</u>
27	<u>Minimum Runtime</u>
28	<u>RTM Bid Price</u>
29	<u>Hourly Evaluation Default Bid Block</u>
30	<u>Real Time Bid Schedule Type ID</u>
31	<u>Schedule Timestamp</u>
32	<u>Bid Status</u>
33	<u>Message</u>
34	spare
35	spare
36	<u>Energy Profile MW Curve 1</u>
37	<u>Bid Curve MW Point: Curve 1, Point 1</u>
38	<u>Bid Curve MW Point: Curve 1, Point 2</u>
39	<u>Bid Curve MW Point: Curve 1, Point 3</u>
40	<u>Bid Curve MW Point: Curve 1, Point 4</u>

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Column #	Parameter
41	<u>Bid Curve MW Point: Curve 1, Point 5</u>
42	<u>Bid Curve MW Point: Curve 1, Point 6</u>
43	<u>Bid Curve MW Point: Curve 1, Point 7</u>
44	<u>Bid Curve MW Point: Curve 1, Point 8</u>
45	<u>Bid Curve MW Point: Curve 1, Point 9</u>
46	<u>Bid Curve MW Point: Curve 1, Point 10</u>
47	<u>Bid Curve MW Point: Curve 1, Point 11</u>
48	<u>Bid Curve MW Point: Curve 1, Point 12</u>
49	<u>Bid Curve \$/MW Point: Curve 1, Point 1</u>
50	<u>Bid Curve \$/MW Point: Curve 1, Point 2</u>
51	<u>Bid Curve \$/MW Point: Curve 1, Point 3</u>
52	<u>Bid Curve \$/MW Point: Curve 1, Point 4</u>
53	<u>Bid Curve \$/MW Point: Curve 1, Point 5</u>
54	<u>Bid Curve \$/MW Point: Curve 1, Point 6</u>
55	<u>Bid Curve \$/MW Point: Curve 1, Point 7</u>
56	<u>Bid Curve \$/MW Point: Curve 1, Point 8</u>
57	<u>Bid Curve \$/MW Point: Curve 1, Point 9</u>
58	<u>Bid Curve \$/MW Point: Curve 1, Point 10</u>
59	<u>Bid Curve \$/MW Point: Curve 1, Point 11</u>
60	<u>Bid Curve \$/MW Point: Curve 1, Point 12</u>
61	<u>Energy Profile MW Curve 2</u>
62	<u>Bid Curve MW Point: Curve 2, Point 1</u>
63	<u>Bid Curve MW Point: Curve 2, Point 2</u>
64	<u>Bid Curve MW Point: Curve 2, Point 3</u>
65	<u>Bid Curve MW Point: Curve 2, Point 4</u>
66	<u>Bid Curve MW Point: Curve 2, Point 5</u>
67	<u>Bid Curve MW Point: Curve 2, Point 6</u>
68	<u>Bid Curve MW Point: Curve 2, Point 7</u>
69	<u>Bid Curve MW Point: Curve 2, Point 8</u>
70	<u>Bid Curve MW Point: Curve 2, Point 9</u>
71	<u>Bid Curve MW Point: Curve 2, Point 10</u>
72	<u>Bid Curve MW Point: Curve 2, Point 11</u>
73	<u>Bid Curve MW Point: Curve 2, Point 12</u>
74	<u>Bid Curve \$/MW Point: Curve 2, Point 1</u>
75	<u>Bid Curve \$/MW Point: Curve 2, Point 2</u>
76	<u>Bid Curve \$/MW Point: Curve 2, Point 3</u>
77	<u>Bid Curve \$/MW Point: Curve 2, Point 4</u>
78	<u>Bid Curve \$/MW Point: Curve 2, Point 5</u>
79	<u>Bid Curve \$/MW Point: Curve 2, Point 6</u>
80	<u>Bid Curve \$/MW Point: Curve 2, Point 7</u>
81	<u>Bid Curve \$/MW Point: Curve 2, Point 8</u>
82	<u>Bid Curve \$/MW Point: Curve 2, Point 9</u>

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Column #	Parameter
83	<u>Bid Curve \$/MW Point: Curve 2, Point 10</u>
84	<u>Bid Curve \$/MW Point: Curve 2, Point 11</u>
85	<u>Bid Curve \$/MW Point: Curve 2, Point 12</u>
86	<u>Energy Profile MW Curve 3</u>
87	<u>Bid Curve MW Point: Curve 3, Point 1</u>
88	<u>Bid Curve MW Point: Curve 3, Point 2</u>
89	<u>Bid Curve MW Point: Curve 3, Point 3</u>
90	<u>Bid Curve MW Point: Curve 3, Point 4</u>
91	<u>Bid Curve MW Point: Curve 3, Point 5</u>
92	<u>Bid Curve MW Point: Curve 3, Point 6</u>
93	<u>Bid Curve MW Point: Curve 3, Point 7</u>
94	<u>Bid Curve MW Point: Curve 3, Point 8</u>
95	<u>Bid Curve MW Point: Curve 3, Point 9</u>
96	<u>Bid Curve MW Point: Curve 3, Point 10</u>
97	<u>Bid Curve MW Point: Curve 3, Point 11</u>
98	<u>Bid Curve MW Point: Curve 3, Point 12</u>
99	<u>Bid Curve \$/MW Point: Curve 3, Point 1</u>
100	<u>Bid Curve \$/MW Point: Curve 3, Point 2</u>
101	<u>Bid Curve \$/MW Point: Curve 3, Point 3</u>
102	<u>Bid Curve \$/MW Point: Curve 3, Point 4</u>
103	<u>Bid Curve \$/MW Point: Curve 3, Point 5</u>
104	<u>Bid Curve \$/MW Point: Curve 3, Point 6</u>
105	<u>Bid Curve \$/MW Point: Curve 3, Point 7</u>
106	<u>Bid Curve \$/MW Point: Curve 3, Point 8</u>
107	<u>Bid Curve \$/MW Point: Curve 3, Point 9</u>
108	<u>Bid Curve \$/MW Point: Curve 3, Point 10</u>
109	<u>Bid Curve \$/MW Point: Curve 3, Point 11</u>
110	<u>Bid Curve \$/MW Point: Curve 3, Point 12</u>
111	<u>Energy Profile MW Curve 4</u>
112	<u>Bid Curve MW Point: Curve 4, Point 1</u>
113	<u>Bid Curve MW Point: Curve 4, Point 2</u>
114	<u>Bid Curve MW Point: Curve 4, Point 3</u>
115	<u>Bid Curve MW Point: Curve 4, Point 4</u>
116	<u>Bid Curve MW Point: Curve 4, Point 5</u>
117	<u>Bid Curve MW Point: Curve 4, Point 6</u>
118	<u>Bid Curve MW Point: Curve 4, Point 7</u>
119	<u>Bid Curve MW Point: Curve 4, Point 8</u>
120	<u>Bid Curve MW Point: Curve 4, Point 9</u>
121	<u>Bid Curve MW Point: Curve 4, Point 10</u>
122	<u>Bid Curve MW Point: Curve 4, Point 11</u>
123	<u>Bid Curve MW Point: Curve 4, Point 12</u>
124	<u>Bid Curve \$/MW Point: Curve 4, Point 1</u>

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1.7 Download Transaction Contracts

1.7.1 Download Transaction Contracts–Request

The *BID_TYPE/QUERY TYPE* for this template is: EXT_TRAN_CONTRACT

Download Transaction Contracts Request - Header

Field	Mandatory	Description
USERID	Y- for NYISO users	ISO-NE users may not specify a USERID value
PASSWORD	Y	
QUERY_TYPE	Y	EXT_TRAN_CONTRACT
TRANSACTION_ID	N	The NYISO unique identifier of the static contract data associated with the bid
SOURCE	N	Generator name or PTID shown in MIS
SINK	N	Load area bus name or PTID shown in MIS
USER_REFERENCE	N	As defined in bid.
NERC_PRIORITY	N	As defined in bid.
NUM_ROWS	N	Number of rows to return in response
NYISO_ORG_ID	N	Organization ID of the NYISO Organization responsible for the bid
NON_NYISO_ORG_ID	N	Organization ID of the Non-NYISO Organization responsible for the bid

Download Transaction Contracts Request - Body

Position #	Field	Description
N/A	N/A	N/A

Download Transaction Contracts -Request Example:

```
USERID= testusr&  
PASSWORD= testpw1!&  
QUERY_TYPE=EXT_TRAN_CONTRACT&  
TRANSACTION_ID=5049913&  
SOURCE= NYISO_LBMP_REFERENCE&  
SINK=NE_LOAD_SANDY_PD&  
USER_REFERENCE=TEST_REF&  
NERC_PRIORITY=7&  
NUM_ROWS=50&  
NYISO\_ORG\_ID=202460&  
NON\_NYIOS\_ORG\_ID=1038760&
```

1.7.2 Download Transaction Contracts–Response

Download Transaction Contracts Response - Header

Field	Mandatory	Description
TIME_STAMP	N/A	

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Field	Mandatory	Description
BID_TYPE	N/A	EXT_TRAN_CONTRACT
DATA ROWS	N/A	

Download Transaction Contracts Response - Body

Position #	Field
1	Transaction ID
2	Source Name
3	Sink Name
4	User Reference
5	spare
6	spare
7	NYISO Org spare
8	Non-NYISO Org spare
9	GIS Identifiers spare
10	Assigned Contact User last-update User
11	Last Update Time

Download Transaction Contracts -Response Example

5049913," NYISO_LBMP_REFERENCE ", "NE_LOAD_SANDY_PD", " TEST_REF " ,,, " [NY ORG A \(202460\)](#) ", " [NE ORG B \(1038760\)](#) ", "GIS123", " testusr ", "03/13/2014 11:29"

1.8 Upload/Download Error Processing

JESS uses initial file validation logic that looks at the entire submitted file for the existence of an error. If there are any errors during the initial validation (denoted with an error code beginning with "JUPD"), the entire file is rejected and no data is committed to the system. For example, if row#781 of an upload file contains an error, the system will return an error for row#781, and no other rows from the file are committed to the system.

After initial file validation, which occurs on the entire file at one time, NYISO's JESS business rule validation logic checks for business rule violations in collections of 250 rows at a time. The collection will be committed to the system only after all rows in the collection pass all of the business rule checks. If the process encounters a business rule violation (denoted with an error code beginning with "JESS"), no data in the current or subsequent collections of 250 rows will be committed to the system; however, all data from previous collections will remain committed to the system. For example, if a business rule violation occurs on row 781 of the input file, only the first 750 rows of data from the input file are committed to the system.

Errors will be structured as follows:

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Upload/Download Error Example

