8.0 Upload/Download Batch Procedures

8.1 Introduction

In Section 7 we describe an interactive method for entering bids into NYISO MIS, and for retrieving schedule information after markets settle.

In this section we describe equivalent functionality for bid submission and retrieval of schedule information using an application program interface. This method requires that all information submitted for a bid be prepackaged into files, which are then sent to the NYISO MIS. Similarly, on return, the MIS packages all responses into a file, which is then retrieved by the Market Participant.

This interface is provided for quick, efficient transfer of large amounts of bid and schedule data between NYISO Market Particpants and NYISO. The method is particularly suitable when NYISO Market Participants already have the data required by the MIS in electronic format, or are planning to develop applications to create such data.

The NYISO Market Participants should also review Section 7 to better visualize the information that is exchanged with the MIS.

CSV File

The data that is prepared by the Market Participant or that is returned by the MIS in response to a Market Participant's bid or a query is a text file consisting of multiple records, each with one or more fields delimited by commas. This type of file is known as comma separated value, or CSV.

Templates

There are six functions supported by these files:

1. Market Participant submits bids for generation, load, or transactions.

2. MIS responds to the bids.

3. Market Participant submits a query to obtain status of generation, load, or transaction schedules.

4. MIS responds to the query.

5. Market Participant deletes a generator, load or transaction bid

6. MIS responds to the deletion.

These functions are common to generation, loads and transactions, but the format of files for each of these types is different.

We describe each type of data as a template; e.g., generator bid/response template or generator query/response template:

- Bids and the corresponding responses are described in the Upload Templates section (Section 8.2).

- Queries and the corresponding responses are described in the Download Templates section (Section 8.3).

Responses to bids are automatic; i.e. the Market Participant does not have to issue a query after submitting a bid to get a response with information about the status of the bid.

Access to Public Information

Public information such as NYISO load forecast, ATC/TTC values, LBMP prices, etc. are not accessible through the upload/download templates. Instead, this information is accessible through the MIS. From the NYISO home, select <u>OASIS</u>, then <u>Prices & Public Information</u>. This takes you to the LBMP Results page, which allows selection of information in HTML format. A hyperlink at the bottom of this page takes you to the LBMP Results Download page (results in CSV format). These capabilities are described in Section 5, OASIS.

File Exchange vs. Data Stream

We describe the upload/download interface in terms of file exchanges. However, although this information may be an actual file on the client side (where Market Participant prepares and submits information), it is received on the server side (where the MIS functions reside) as a stream, and then processed and stored into a database. Thus, on the MIS side it is not stored as a file.

It is likely that some Market Participants will actually develop their own applications to output the information as a stream instead of creating the file first. The template information is described as if it was a file only because it simplifies the explanation, and because streams are often stored in files.

8.1.1 Upload and Download Process

Using Upload/Download Batch interface requires selecting Upload/Download through a series of hyperlinks from the NYISO home page. A Web Browser or a customer application that supports authentication and encryption is required to gain access.

From the NYISO home page located at www.nyiso.com, select <u>OASIS</u>, then select <u>Bidding & Scheduling</u>, then select <u>Upload/Download</u>. With the proper Digital Certificate, the MIS Upload/Download display appears (see Exhibit 8.1).

Exhibit 8.1:

MIS Upload/Download Display

The user then selects a file from his/her local disk by typing a file name or using the (file) Browse button available with Netscape 4.x and MS Explorer 4.x, or equivalent. When the user clicks on the SUBMIT button, the input file is sent to the web server (method = 'POST'), where it is received by the MIS interface program.

An MIS application processes the information in the template and generates a response. The browser receives and displays the CSV text response, which can then be saved as a file if desired on the Market Participant's local computer.

This procedure is compatible with the two popular Web Browsers, Internet Explorer version 4.x and above, and Netscape Navigator 4.x and above.

8.1.2 Overview of Templates

There are two types of templates: upload templates and download templates. The upload template is discussed first.
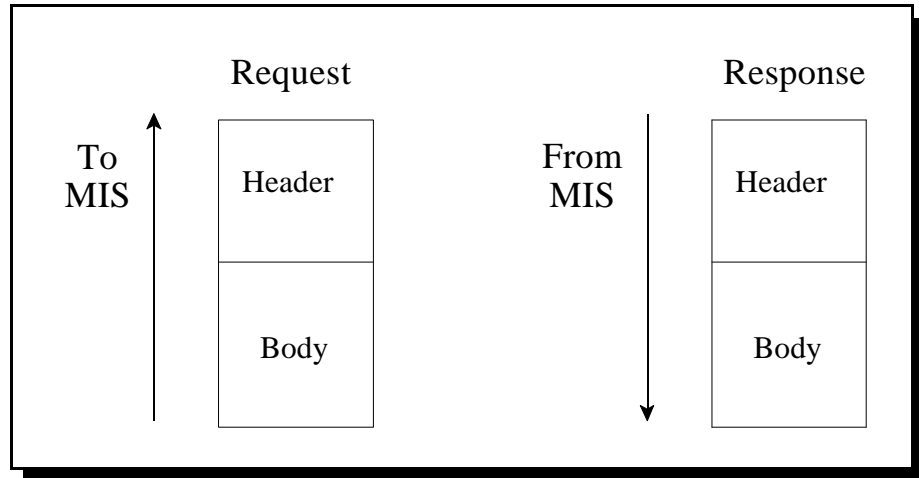
Upload Template

There are eight upload templates:

- Generator Bid
- Generator Commitment Parameters
- Load Bid
- Transaction Bid
- Confirm Transaction Bid
- Delete Generator Bid
- Delete Load Bid
- Delete Transaction Bid.

Each upload template is divided into a upload request and upload response. Each request and response has a header and footer as shown in Exhibit 8.2. Let's look at

the upload request first.

Exhibit 8.2:
Upload Template

The header of the upload request is delimited by ampersands (&) that separate the various records of the header. All upload requests require a four- record header as follows:

1. BID_TYPE   Indicates the type of information requested or bid that is 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

Valid BID_TYPE values are:

- GEN_BID – Generator Bids
- UC_DATA – Generator Commitment Parameters
- LOAD_BID – Load Bids
- TRAN_BID – Transaction Bids
- CONFIRM_TRAN_BID – Transaction Bid Confirmation
- DELETE_GEN_BID – Generator Bid Deletion
- DELETE_LOAD_BID – Load Bid Deletion
- DELETE_TRAN_BID – Transaction Bid Deletion.

The body of the upload request is defined for each bid type in Sections 8.2.1 - 8.2.8.

Multiple records of the same type can be included. For example, all generator bids can be grouped into one generator template.

Upload Response   The response to an upload request contains a three-record header as follows.

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

information

2. BID_TYPE   An indication of the type of information requested or bid
                           that is being supplied (See valid bid types above)

3. DATA ROWS   The number of records that follow

The body of the upload response is defined for each bid type in Sections 8.2.1 -
8.2.8.

Download Template

There are fifteen download templates. They are as follows:

*   Generator Bids and Schedule
*   Generator Commitment Parameters
*   Load Bids and Schedule
*   Transaction Bids and Schedules
*   Transaction Confirmation Status
*   Generator Detail
*   Generator Outages/Deratings
*   Load Detail
*   Transaction Contracts
*   Generator SCD Schedules
*   Generator PTS Results
*   Generator Availabilities
*   Generator Hourly Meter Inputs
*   Generator SCD Inputs
*   Credit Check Parameters

Each download template is divided into a download request and download
response. Each request and response has a header and footer as shown in Exhibit
8.3.

Exhibit 8.3:
Download Template
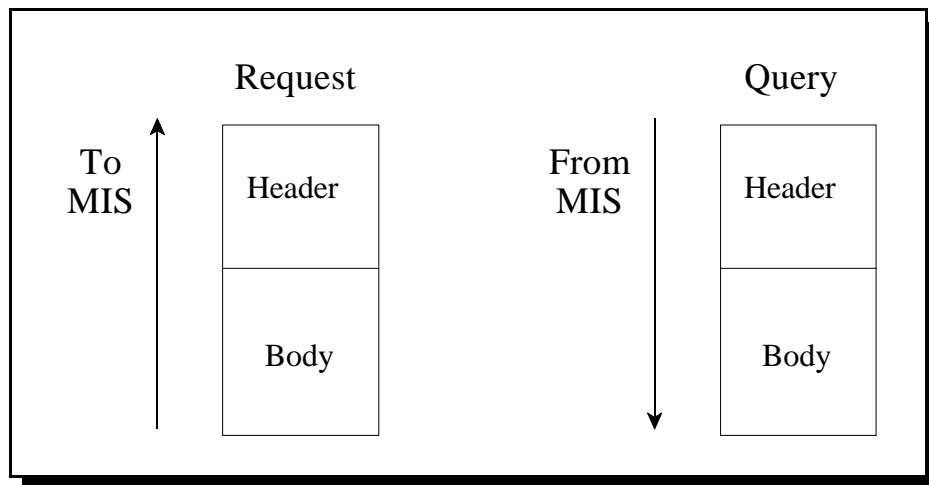
Download Query

The header of the download query is delimited by ampersands (&) that separate the various records of the header. All download queries require a three-record header as follows:

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.

Valid QUERY_TYPE values are:

- GEN_SCH – Generator Bids and Schedules
- U_COMM – Generator Commitment Parameters
- LOAD_SCH – Load Area Bus Schedules
- TRAN_SCH – Transaction Bid and Schedules
- TRAN_CFRM – Transaction Confirmation Status
- GEN_DETAIL – Generator Detail
- GEN_OUTAGES – Generator Outages/Deratings
- LOAD_DETAIL – Load Detail
- TRANS_CONTRACT – Transaction Contracts
- GEN_SCD - Generator SCD Schedules
- GEN_PTS - Generator PTS Results
- GEN_AVAIL - Generator Availabilities
- GEN_ADJ - Generator Hourly Meter Inputs
- SCD_ADJ - Generator SCD Inputs
- CREDIT_CHECK - Credit Check Parameters

The body of the download query is defined for each bid type in Section 8.3.

Download Response

The response to a download request contains a three-record header, as follows:

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

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.

The body of the download response is defined for each bid type in Section 8.3.

8.1.3 Section Organization

Sections 8.2 and 8.3 describe the upload and download templates. The material in each subsection is organized as described below:

Section Title

This is the title or action associated with process. For example, the title of Section 8.2.1 is Submit Generator Bids.

Data Dictionary

For each parameter used in a bid or returned with a response, a definition is supplied as to what the parameter is. Two data type formats are provided:

- a CHAR(x) format indicates a variable length string with maximum number of characters equal to 'x'

- a NUM(x,y) format indicates a maximum of 'x' digits excluding decimal point and sign, with 'y' digits of precision

    % For example, NUM(5,1) has limits of -9999.9 to 9999.9. A NUM format without 'x' and 'y' indicates an unrestricted numeric (practical limits for these is NUM(8,0) or lower).

Template Body Submission Fields

The title line identifies the parameters being submitted. For example, the first title line in Section 8.2.1 is "Generator Bid Submission Parameters (E-7)." The reference in parentheses, such as "E-7," indicates the Market Participant User display that corresponds to the template. The displays are described in detail in Section 7.

Following the title is an ordered, comma separated list of fields that must appear in the template. Required parameters are shown in bold under the submission section of the template. Optional parameters allow null (no characters between commas) to be supplied.

Template Body Response Fields

The title line identifies the parameters contained in the response and the corresponding display. For example, in Section 8.2.1, the title is "Generator Bid Response Parameters (E-7)."

Following the title is an ordered, comma separated list of fields that the MIS will return in response to a particular submission.

Input File Example

This section shows an example of an input file (submission), in CSV format.

Output File Example

This section shows an example of an output file (response), in CSV format.

8.2 Upload Templates

Note: The Data Dictionary sections below are not intended to be used for showing the order of the parameters. An ordered list of parameters that the program expects and returns is provided in the templates under the submission and response sections. Required parameters are shown in bold under the submission section of the template.

8.2.1 Submit Generator Bids

Data Dictionary

BID_TYPE=GEN_BID

Parameter	Data Type	Description
Generator	NUM(6,0)	Name or PTID for the generator exactly as shown in the MIS.
Date & time	CHAR(16)	Starting time of bid (MM/DD/YYYY HH24:00).
Duration	NUM(3)	Number of hours the bid is good for.
Market	CHAR(4)	Markets bid is good for (DAM or HAM).
Expiration	CHAR(16)	Time generator bid is no longer available for consideration in DAM supplemental commitments (MM/DD/YYYY HH24:00).
Upper operating limit	NUM(5,1)	Maximum MWs that the generator can supply.
Zero start-up cost	CHAR(1)	A flag indicating a start-up cost of zero should be substituted for the normal start-up cost supplied in the commitment bid for times specified with this bid.
On-dispatch	CHAR(1)	A flag indicating if the generator will be following SCD basepoints (Y or N)
Fixed min. gen. (MW)	NUM(5,1)	Lower operating limit for the unit.
Fixed min. gen. Cost ($)	NUM(7,2)	Bid cost for the unit to reach the minimum operating point.
Bid curve format	CHAR(1)	Indicate if curve supplied is of a block bid (3 pair max. step function) or energy cost curve format (6 pairs max) (B or C).
Dispatch curve W(1-6)	NUM(5,1)	1-6 MW points of a dispatch curve.
Dispatch curve $/MW(1-6)	NUM(6,2)	1-6 $/MW points of a dispatch curve
10 min non-synch mw	NUM(5,1)	MWs of non-synchronous capacity bid to satisfy NY ISO 10 minute total reserve requirement.

10 min non-synch cost	NUM(6,2)	Cost / MW of non-synchronous capacity bid to satisfy NY ISO 10 minute total reserve requirement.
10 min spinning mw	NUM(5,1)	MW of spinning capacity bid to satisfy NY ISO 10 minute spinning reserve requirement.
10 min spinning cost	NUM(6,2)	Cost per MW of spinning capacity bid to satisfy NY ISO 10 minute spinning reserve requirement.
30 min non-synch mw	NUM(5,1)	MWs of non-synchronous capacity bid to satisfy NY ISO operating reserve requirement.
30 min non-synch cost	NUM(6,2)	Cost / MW of non-synchronous capacity bid to satisfy NY ISO operating reserve requirement.
30 min spinning mw	NUM(5,1)	MW of spinning capacity bid to satisfy NY ISO operating reserve requirement.
30 min spinning cost	NUM(6,2)	Cost per MW of spinning capacity bid to satisfy NY ISO operating reserve requirement.
Regulation MWs	NUM(5,1)	MW of generation bid to respond to AGC signals.
Regulation cost	NUM(6,2)	Cost per MW of generation bid to respond to AGC signals.
Bid id	NUM	A unique identifier identifying the bid.
Sched energy	NUM(5,1)	Scheduled generator energy.
Sched 10 min non-synch	NUM(5,1)	Scheduled 10 minute non-synchronized reserve (MW).
Sched 10 min spinning	NUM(5,1)	Scheduled 10 minute spinning reserve (MW).
Sched 30 min non-synch	NUM(5,1)	Scheduled 30 minute non-synchronized reserve (MW).
Sched 30 min spinning	NUM(5,1)	Scheduled 30 minute spinning reserve (MW).
Sched regulation	NUM(5,1)	Scheduled regulation (MW).
Forecasted reserve	NUM(5,1)	Additional capacity that the ISO has reserved to satisfy the ISO load forecast above market participant day ahead load purchases.
Sched available stat	CHAR(1)	Scheduled generator availability status (Y, N, or null).
Sched on-line stat	CHAR(1)	Scheduled generator on-line status (Y, N, or null).
Sched on-dispatch stat	CHAR(1)	Scheduled generator on-dispatch status (Y, N, or null).
Sched on-control stat	CHAR(1)	Scheduled generator on-control status (Y, N, or null).
Bid status	CHAR(20)	Current status of the bid (validation failed, validation passed, accepted, etc.)
Message	CHAR(1000)	Validation messages providing bid details.

Generator Bid Submission Parameters (E-7)

generator, date & time, duration, market, expiration, **upper operating limit,** spare, spare, **zero start-up cost, on-dispatch, fixed min. gen. (MW), fixed min. gen. cost ($),** bid curve format, dispatch curve MW(1-6), dispatch curve $/MW(1-6), 10 min non-synch mw, 10 min non-synch cost, 10 min spinning mw, 10 min spinning cost, 30 min non-synch mw, 30 min non-synch cost, 30 min spinning mw, 30 min spinning cost, regulation MWs, regulation cost

Generator Bid Response Parameters (E-7)

generator name, generator PTID, date & time, market, expiration, upper operating limit, spare, spare, zero start-up cost, on-dispatch, fixed min. gen. (MW), fixed min. gen. cost ($), bid curve format, dispatch curve MW(1-6), dispatch curve $/MW(1-6), 10 min non-synch mw, 10 min non-synch cost, 10 min spinning mw, 10 min spinning cost, 30 min non-synch mw, 30 min non-synch cost, 30 min spinning mw, 30 min spinning cost, regulation MWs, regulation cost, bid id, sched energy, sched 10 min non-synch, sched 10 min spinning, sched 30 min non-synch, sched 30 min spinning, sched regulation, forecasted reserve, sched available stat, sched on-line stat, sched on-dispatch stat, sched on-control stat, bid status, message

Generator Bid Examples

Input File Example

BID_TYPE=GEN_BID&

USERID=testupld&

PASSWORD=testupld&

DATA_ROWS=2&

900302,06/30/1999 00:00,2,HAM,06/29/1999 22:30,500,,,N,Y,200,5000,B,100,200,300,,,,10,20,30,,,,100,10,200,10,300,15,,,150,10

SUBZ_900101_38_GEN - 900301,06/30/1999 00:00,1,DAM,06/29/1999 22:30,500,,,N,Y,200,5000,B,100,200,300,,,,10,20,30,,,,100,10,200,10,,,300,10,150,10

Output File Example

TIME_STAMP=06/23/1999 15:35

BID_TYPE=GEN_BID

DATA_ROWS=3

"SUBZ_900101_38_GEN - 900302",900302,"06/30/1999 00:00","HAM","",500,"","","N","Y",200,5000,"B",100,200,300,,,,10,20,30,,,,100,10,200,10,300,15,,,150,10,255259,,,,,,,,"","","","","VALIDATION FAILED","30 Minute Non-Synch Reserve Not able to start in time. Start up notification time is .5 hours.Generator not qualified to bid HAM 10 minute non-synchronized reserve.HAM 10 Minute Spinning Block Reserve Bid must be = 1 & <= Emergency Response Rate.HAM regulation bid MW outside limits."

"SUBZ_900101_38_GEN - 900302",900302,"06/30/1999 01:00","HAM","",500,"","","N","Y",200,5000,"B",100,200,300,,,,10,20,30,,,,100,

10,200,10,300,15,,,150,10,255260,,,,,,,,"","","","","VALIDATION FAILED","30 Minute Non-Synch Reserve Not able to start in time. Start up notification time is .5 hours.Generator not qualified to bid HAM 10 minute non-synchronized reserve.HAM 10 Minute Spinning Block Reserve Bid must be = 1 & <= Emergency Response Rate.HAM regulation bid MW outside limits."

"SUBZ_900101_38_GEN - 900301",900301,"06/30/1999 00:00","DAM","06/29/1999 22:30",500,"","","N","Y",200,5000,"B",100,200,300,,,,10,20,30,,,,100,10,200,10, ,,300,10,150,10,255261,,,,,,,,"","","","","VALIDATION FAILED","DAM 10 Minute Spinning Block Reserve Bid must be = 1 & <= Emergency Response Rate.DAM regulation bid MW outside limits.Generator not qualified to bid DAM 10 minute non-synchronized reserve."

8.2.2 Submit Generator Commitment Parameters

Data Dictionary

BID_TYPE= UC_DATA

Parameter	Data Type	Description
Generator	NUM or CHAR(32)	Name or PTID for the generator shown in MIS.
Min. run time	NUM(5,2)	Minimum hours in a dispatch day a unit must run once started by the ISO.
Min. down time	NUM(5,2)	Minimum hours in a dispatch day a unit must be down was decommitted by the ISO.
Max. stops per day	NUM(3,0)	Number of times a unit can be decommitted in a dispatch day.
Start-up notification	NUM(5,2)	The time it takes for a generator to reach their own min gen level after notification from the NYISO is given.
Start-up bid time (1-6)	NUM(5,2)	Start-up cost curve, hours off-line.
Start-up bid cost (1-6)	NUM(7,2)	Start-up cost curve, $ to start.
Notification hours to start (1-6)	NUM(5,2)	Start-up notification time curve, hours to start.
Notification hours off line (1-6)	NUM(5,2)	Start-up notification time curve, hours off-line.
Commitment id	NUM	Unique identifier identifying the commitment data being supplied.
Update user	CHAR	MIS user that supplied the current data.
Update time	CHAR(16)	Time bid was submitted to MIS (MM/DD/YYYY HH24:00)

Generator Commitment Parameters (E-2)

generator, min. run time, min. down time, max. stops per day, start-up notification, start-up bid time (1-6), start-up bid cost (1-6), notification hours to start (1-6), notification hours off line (1-6)

Generator Commitment Response Parameters (E-2)

generator name, generator PTID, min. run time, min. down time, max. stops per day, start-up notification, start-up bid time (1-6), start-up bid cost (1-6), notification hours to start (1-6), notification hours off line (1-6), commitment id, update user, update time

Generator Commitment Example

Input File Example

BID_TYPE=UC_DATA&

USERID=testupld&

PASSWORD=testupld&

DATA_ROWS=2&

"SUBZ_900101_38_GEN -
900301",5,2,2,1,1,2,3,4,5,6,11000,12000,13000,14000,15000,16000,1,2,3,4,5,6,1
,2,3,4,5,6

900302,5,2,2,1,1,2,3,4,5,6,11000,12000,13000,14000,15000,16000,1,2,3,4,5,6,1,
2,3,4,5,6

Output File Example

TIME_STAMP=08/04/1998 11:02

BID_TYPE=UC_DATA

DATA_ROWS=2

"SUBZ_900101_38_GEN -
900301",900301,5,2,2,1,1,2,3,4,5,6,11000,12000,13000,14000,15000,160
00,1,2,3,4,5,6,1,2,3,4,5,6,105756,"TESTUPLD","08/04/1998 11:02"

"SUBZ_900101_38_GEN -
900302",900302,5,2,2,1,1,2,3,4,5,6,11000,12000,13000,14000,15000,160
00,1,2,3,4,5,6,1,2,3,4,5,6,105757,"TESTUPLD","08/04/1998 11:02"

8.2.3 Submit Loads

Data Dictionary

BID_TYPE=LOAD_BID

Parameter	Data Type	Description
Load	NUM or CHAR(32)	Name or PTID for a load exactly as shown in the MIS.
Date & time	CHAR(16)	Starting time of bid (MM/DD/YYYY HH24:00). For transition from daylight savings time to standard time, time 2:00 is automatically repeated. The second hour 2:00 can be overwritten by entering a time of 25:00.
Forecast MW	NUM(6,1)	Forecasted MWs to be consumed.
Fixed MW	NUM(6,1)	Fixed MWs that are to be procured from the DAM
Price cap 1 MW	NUM(6,1)	Fixed block of dispatchable load based on associated price.
Price cap 1 dollar	NUM(6,2)	Dispatchable load dollars per MW.
Price cap 2 MW	NUM(6,1)	Fixed block of dispatchable load based on associated price.
Price cap 2 dollar	NUM(6,2)	Dispatchable load dollars per MW.
Price cap 3 MW	NUM(6,1)	Fixed block of dispatchable load based on associated price.
Price cap 3 dollar	NUM(6,2)	Dispatchable load dollars per MW.
Interruptible type	CHAR(10)	Flag indicating load will interrupt in 10 or 30 minutes for purpose of satisfying ISO reserve requirement (10MIN or 30MIN)
Interruptible fixed MW	NUM(6,1)	Interruptible load bid MW, associated with the fixed MW bid, available for satisfying reserve requirement.
Interruptible fixed cost	NUM(6,2)	Cost for interruptible fixed load bid.
Interruptible capped MW	NUM(6,1)	Interruptible load bid MW, associated with the price capped MW bid, available for satisfying reserve requirement.
Interruptible capped cost	NUM(6,2)	Cost for interruptible capped load bid.
Bid id	NUM	A unique identifier identifying the bid.
Sched price capped	NUM(6,1)	Scheduled energy associated with the price capped bid (MW).
Sched interruptible fixed	NUM(6,1)	Amount of fixed load that as been scheduled as available to interrupt (MW).
Sched	NUM(6,1)	Amount of price capped load that has been scheduled as

interruptible capped		available to interrupt (MW)
Bid status	CHAR(20)	Current status of the bid (validation failed, validation passed, accepted, etc.)
Message	CHAR(1000)	Validation messages providing bid details.

Load Data Submission Parameters (F-3)

load, date & time, forecast MW, fixed MW, price cap 1 MW, price cap 1 dollar, price cap 2 MW, price cap 2 dollar, price cap 3 MW, price cap 3 dollar, interruptible type, interruptible fixed MW, interruptible fixed cost, interruptible capped MW, interruptible capped cost

Load Data Response Parameters (F-3)

load name, load PTID, date & time, forecast MW, fixed MW, price cap 1 MW, price cap 1 dollar, price cap 2 MW, price cap 2 dollar, price cap 3 MW, price cap 3 dollar, interruptible type, interruptible fixed MW, interruptible fixed cost, interruptible capped MW, interruptible capped cost, bid id, sched price capped, sched interruptible fixed, sched interruptible capped, bid status, message

Load Bid Examples

Input File Example

BID_TYPE=LOAD_BID&

USERID=testupld&

PASSWORD=testupld&

DATA_ROWS=2&

900321,08/08/1998 00:00,300,300,350,20,450,25,,,30MIN,250,10,400,20

Output File Example

TIME_STAMP=08/04/1998 11:04

BID_TYPE=LOAD_BID

DATA_ROWS=2

"BUS - 900321_38_TEST_BUS - 21",900321,"08/08/1998 00:00",300,300,350,20,450,25,,,"30MIN",250,10,400,20,105718,,,,"VALIDATION PASSED",""

"BUS - 900322_38_TEST_BUS - 22",900322,"08/08/1998 00:00",300,300,,,,,,,"10MIN",250,10,,,105719,,,,"VALIDATION PASSED",""

8.2.4 Submit Transactions

Data Dictionary

BID_TYPE=TRAN_BID

Parameter	Data Type	Description
Date & time	CHAR(16)	Starting time of bid (MM/DD/YYYY HH24:00). For transition from daylight savings time to standard time, time 2:00 is automatically repeated. The second hour 2:00 can be overwritten by entering a time of 25:00.
Source	NUM(6,0)	Generator name or PTID for the generator exactly as shown in the MIS that is source for transaction.
Sink	NUM(6,0)	Load name or PTID for a load exactly as shown in the MIS that is sink for transaction.
Market	CHAR(9)	Markets bid is good for (DAM, HAM, or NON-FIRM).
Sending control area	CHAR(4)	Sending control area specified in the NERC Tag.
Pse	CHAR(6)	Purchase selling entity specified in the NERC Tag.
Pse number	CHAR(7)	Unique number assigned by PSE that is specified in the NERC TAG
Receiving control area	CHAR(4)	Receiving control area specified in the NERC Tag.
Nerc priority	NUM	NERC Priority of transaction. 1-6 used for non-firms. 7 is used for firms.
User reference	CHAR(16)	A reference used by the user to uniquely identify this transactions.
Transaction priority	NUM(2,0)	Ranking of this transaction relative to other transactions tied to same generator. 1 is last to be curtailed. Equal priorities are cut on a pro-rata basis.
Bid energy MW	NUM(5,1)	Fixed block of energy MW supported by transaction.
Sink price cap dollar	NUM(6,2)	Dollar value used to cut transaction based on energy value at sink.
Decremental dollar	NUM(6,2)	Decremental dollar value associated with transaction.
Bid id	NUM	A unique identifier identifying the bid.
Transaction id	NUM	A unique identifier identifying the static contract data associated with the bid.
Seller confirm flag	CHAR(1)	Flag indicating if seller has agreed to transaction bid.
Buyer confirm flag	CHAR(1)	Flag indicating if buyer has agreed to transaction bid.

Sched energy	NUM(5,1)	Schedule amount of energy (MW)
Bid status	CHAR(20)	Current status of the bid (validation failed, validation passed, accepted, etc.)
Message	CHAR(1000)	Validation messages providing bid details.

Transaction Bid Submission Parameters (H-5)

date & time, source, sink, market, sending control area, pse, pse number, spare, receiving control area, nerc priority, user reference, transaction priority, bid energy MW, sink price cap dollar, decremental dollar

Note: For transactions, required parameters and those required to be null are based on the transaction type and location of the generator and load. The bold parameters are required and required null parameters are shown deleted.

1. **Firm internal transaction**

   date & time, source, sink, market, sending control area, pse, pse number, , receiving control area, **nerc priority, user reference, transaction priority, bid energy MW,** sink price cap dollar,

   where market = HAM or DAM and NERC Priority = 7.

2. **Firm export transaction**

   date & time, source, sink, market, sending control area, pse, pse number, , receiving control area, nerc priority, user reference, transaction priority, bid energy MW, sink price cap dollar,

   where market = HAM or DAM, sending control area = NYPP, and NERC Priority = 7.

3. **Firm import transaction**

   date & time, source, sink, market, sending control area, pse, pse number, , receiving control area, nerc priority, user reference,, bid energy MW, , decremental dollar

   where market = HAM or DAM, receiving control area = NYPP, and NERC Priority = 7.

4. **Firm wheel-through transaction**

   date & time, source, sink, market, sending control area, pse, pse number, , receiving control area, nerc priority, user reference,, bid energy MW, , decremental dollar

   where market = HAM or DAM and NERC Priority = 7.

5. Non-firm internal transaction	**date & time, source, sink, market, sending control area, pse, pse number, , receiving control area, nerc priority, user reference,, bid energy MW, ,**

where market = NON-FIRM and NERC Priority = 1-6.

6. Non-firm import, export, and wheel-through transaction	**date & time, source, sink, market, sending control area, pse, pse number, , receiving control area, nerc priority, user reference,, bid energy MW, ,**

where market = NON-FIRM and NERC Priority = 1-6

7. External Generator Bid into LBMP Market	**date & time, source, sink, market, sending control area, pse, pse number, , receiving control area, nerc priority, user reference,, bid energy MW, , decremental dollar**

where sink = NYISO LBMP Reference, market = HAM or DAM, receiving control area = NYPP, and NERC Priority = 7.

8. External Load Bid into LBMP Market	**date & time, source, sink, market, sending control area, pse, pse number, , receiving control area, nerc priority, user reference, transaction priority, bid energy MW, sink price cap dollar,**

where source = NYISO LBMP Reference, market = HAM or DAM, sending control area = NYPP, and NERC Priority = 7.

Note: NYISO LBMP Reference and all external sources and sinks provided in a transaction request are automatically confirmed.

Transaction Bid Response Parameters (H-5)

date & time, source name, source PTID, sink name, sink PTID, market, sending control area, pse, pse number, spare, receiving control area, nerc priority, user reference, transaction priority, bid energy MW, sink price cap dollar, decremental dollar, bid id, transaction id, seller confirm flag, buyer confirm flag, sched energy, bid status, message

Note: There is one example for each type: internal, non-firm, and external.

Input File Example

BID_TYPE=TRAN_BID&

USERID=testupld&

PASSWORD=testupld&

DATA_ROWS=3&

06/30/1999 00:00,SUBZ_900101_38_GEN - 900301,900320,DAM,,,,,,7,1001,1,301.0,1.00,

06/30/1999 00:00,900301,BUS - 900324_38_TEST_BUS - 24,NON-FIRM,HQ,HQ100,100H,5,NIMO,6,1006,,301.0,1.00,

06/30/1999 00:00,900307,900320,HAM,HQ,HQ100,100H,,NIMO,7,1008,,301.0,1.00,2

Output File Example

TIME_STAMP=06/23/1999 15:37

BID_TYPE=TRAN_BID

DATA_ROWS=3

"06/30/1999 00:00","SUBZ_900101_38_GEN - 900301",900301,"BUS - 900320_38_TEST_BUS - 20",900320,"DAM","","","",,"",7,"1001",1,301,1,,255256,107439,"N","Y",,"WAITING CONFIRMATION","Buyer automatically confirmed.Transaction Seller not Confirmed."

"06/30/1999 00:00","SUBZ_900101_38_GEN - 900301",900301,"BUS - 900324_38_TEST_BUS - 24",900324,"NONFIRM","HQ","HQ100","100H",,"NIMO",6,"1006",,301,1,,255257,107503,"Y","Y",,"VALIDATION PASSED","Buyer automatically confirmed.Seller automatically confirmed."

"06/30/1999 00:00","SUBZ_900103_38_GEN - 900307",900307,"BUS - 900320_38_TEST_BUS - 20",900320,"HAM","HQ","HQ100","100H",,"NIMO",7,"1008",,301,1,2,255258,107506,"Y","N",,"WAITING CONFIRMATION","Transaction Buyer not Confirmed.Seller automatically confirmed."

8.2.5 Confirm Transaction Bids

Data Dictionary

BID_TYPE=CONFIRM_TRAN_BID

Parameter	Data Type	Description
Bid id	NUM	Unique identifier identifying the bid.
Transaction id	NUM	A unique identifier identifying the static contract data associated with the bid.
Date & time	CHAR(16)	Day and time of bid (MM/DD/YYYY HH24:00).
Who	CHAR(1)	Indicates buyer or seller (B or S).
Confirm status	CHAR(1)	Status of confirmation the bid should be set to (Y or N).
Sink confirm status	CHAR(1)	Status of sink confirmation.
Source confirm status	CHAR(1)	Status of source confirmation.
Bid status	CHAR(20)	Current status of the bid (validation failed, validation passed, accepted, etc.)
Message	CHAR(1000)	Validation messages providing bid details.

Transaction Bid Confirmation Parameters (H-7)

bid id, transaction id, date & time, **who, confirm status**

Note: Recommended confirmation method is to enter all three parameters or just bid id. Optionally, the transaction id and date & time without bid id may be entered to confirm a transaction.

Note: NYISO LBMP Reference and all external sources and sinks provided in a transaction request are automatically confirmed.

Transaction Bid Confirmation Response (H-7)

bid id, transaction id, date & time, sink confirm status, source confirm status, bid status, message

Transaction Bid Confirmation Examples

Input File Example

BID_TYPE=CONFIRM_TRAN_BID&

USERID=testupld&

PASSWORD=testupld&

DATA_ROWS=2&

,104197,08/08/1998 00:00,S,N

105727,,,B,N

Output File Example

TIME_STAMP=08/04/1998 11:07

BID_TYPE=CONFIRM_TRAN_BID

DATA_ROWS=2

105725,104197,"08/08/1998 00:00","Y","N","WAITING CONFIRMATION",""

105727,104237,"08/08/1998 00:00","N","Y","WAITING CONFIRMATION",""

8.2.6 Delete Generator Bids

Data Dictionary

BID_TYPE=DELETE_GEN_BID

Parameter	Data Type	Description
Bid id	NUM	Unique identifier identifying the bid.
Generator	NUM or CHAR(32)	Name or PTID for the generator exactly as shown in the MIS.
Date & time	CHAR(16)	Day and time of bid (MM/DD/YYYY HH24:00).
Market	CHAR(4)	Markets bid is good for (DAM or HAM).

Delete Generator Bid Confirmation Parameters

Bid id, generator, date & time, market

Note: Recommended deletion method is to enter all three parameters or just bid id. Optionally, the generator and date & time without bid id may be entered to delete a bid.

Delete Generator Bid Confirmation Response (E-5)

generator name, generator PTID, date & time, market, expiration, upper operating limit, spare, spare, zero start-up cost, on-dispatch, fixed min. gen. (MW), fixed min. gen. cost ($), bid curve format, dispatch curve MW(1-6), dispatch curve $/MW(1-6), 10 min non-synch mw, 10 min non-synch cost, 10 min spinning mw, 10 min spinning cost, 30 min non-synch mw, 30 min non-synch cost, 30 min spinning mw, 30 min spinning cost, regulation MWs, regulation cost, bid id, sched energy, sched 10 min non-synch, sched 10 min spinning, sched 30 min non-synch, sched 30 min spinning, sched regulation, forecasted reserve, sched available stat, sched on-line stat, sched on-dispatch stat, sched on-control stat, bid status, message

Delete Generator Bid Confirmation Examples

Input File Example

BID_TYPE=DELETE_GEN_BID&

USERID=testupld&

PASSWORD=testupld&

DATA_ROWS=1&

,900302,06/30/1999 00:00,HAM

Output File Example

TIME_STAMP=06/23/1999 15:39

BID_TYPE=DELETE_GEN_BID

DATA_ROWS=1

"SUBZ_900101_38_GEN - 900302",900302,"06/30/1999
00:00","HAM","",500,"","","N","Y",200,5000,"B",100,200,300,,,,10,20,30,,,,100
,10,200,10,300,15,,,150,10,255259,,,,,,,,"","","","","VALIDATION FAILED","30
Minute Non-Synch Reserve Not able to start in time. Start up notification time is
.5 hours.Generator not qualified to bid HAM 10 minute non-synchronized
reserve.HAM 10 Minute Spinning Block Reserve Bid must be = 1 & <=
Emergency Response Rate.HAM regulation bid MW outside limits."

8.2.7 Delete Load Bids

Data Dictionary

BID_TYPE=DELETE_LOAD_BID

Parameter	Data Type	Description
Bid id	NUM	Unique identifier identifying the bid.
Load	NUM or CHAR(32)	Name or PTID for a load exactly as shown in the MIS.
Date & time	CHAR(16)	Day and time of bid (MM/DD/YYYY HH24:00).

Delete Load Bid Confirmation Parameters

Bid id, load, date & time

Note: Recommended deletion method is to enter all three parameters or just bid id. Optionally, the load and date & time without bid id may be entered to delete a bid.

Delete Load Bid Confirmation Response (F-3)

load name, load PTID, date & time, forecast MW, fixed MW, price cap 1 MW, price cap 1 dollar, price cap 2 MW, price cap 2 dollar, price cap 3 MW, price cap 3 dollar, interruptible type, interruptible fixed MW, interruptible fixed cost, interruptible capped MW, interruptible capped cost, bid id, sched price capped, sched interruptible fixed, sched interruptible capped, bid status, message

Delete Bid Confirmation Examples

Input File Example

BID_TYPE=DELETE_LOAD_BID&

USERID=testupld&

PASSWORD=testupld&

DATA_ROWS=1&

,900321,06/30/1999 00:00

Output File Example

TIME_STAMP=06/23/1999 15:46

BID_TYPE=DELETE_LOAD_BID

DATA_ROWS=1

"BUS - 900321_38_TEST_BUS - 21",900321,"06/30/1999 00:00",300,300,350,20,450,25,,,"",,,,,255262,,,,"VALIDATION PASSED",""

8.2.8 Delete Transaction Bids

Data Dictionary

BID_TYPE=DELETE_TRAN_BID

Parameter	Data Type	Description
Bid id	NUM	Unique identifier identifying the bid.
Transaction id	NUM	A unique identifier identifying the static contract data associated with the bid.
Date & time	CHAR(16)	Day and time of bid (MM/DD/YYYY HH24:00).
Market	CHAR(4)	Market bid is good for (DAM, HAM, or NON-FIRM).

Delete Transaction Bid Confirmation Parameters

Bid id, transaction id, date & time, market

Note: Recommended deletion method is to enter all three parameters or just bid id. Optionally, the transaction id and date & time without bid id may be entered to delete a bid.

Delete Transaction Bid Confirmation Response (H-3)

date & time, source name, source PTID, sink name, sink PTID, market, sending control area, pse, pse number, spare, receiving control area, nerc priority, user reference, transaction priority, bid energy MW, sink price cap dollar, decremental dollar, bid id, transaction id, seller confirm flag, buyer confirm flag, sched energy, bid status, message

Delete Bid Confirmation Examples

Input File Example

BID_TYPE=DELETE_TRAN_BID&

USERID=testupld&

PASSWORD=testupld&

DATA_ROWS=3&

,107439,06/30/1999 00:00,DAM

255257,107503,06/30/1999 00:00,NON-FIRM

255258,,,

Output File Example

TIME_STAMP=06/23/1999 15:48

BID_TYPE=DELETE_TRAN_BID

DATA_ROWS=3

"06/30/1999 00:00","SUBZ_900101_38_GEN - 900301",900301,"BUS - 900320_38_TEST_BUS - 20",900320,"DAM","","","",,"",7,"1001",1,301,1,,255256,107439,"N","Y",,"WAITING CONFIRMATION","Buyer automatically confirmed.Transaction Seller not Confirmed."

"06/30/1999 00:00","SUBZ_900101_38_GEN - 900301",900301,"BUS - 900324_38_TEST_BUS - 24",900324,"NONFIRM","HQ","HQ100","100H",,"NIMO",6,"1006",,301,1,,255257,107503,"Y","Y",,"VALIDATION PASSED","Buyer automatically confirmed.Seller automatically confirmed."

"06/30/1999 00:00","SUBZ_900103_38_GEN - 900307",900307,"BUS - 900320_38_TEST_BUS - 20",900320,"HAM","HQ","HQ100","100H",,"NIMO",7,"1008",,301,1,2,255258,107506,"Y","N",,"WAITING CONFIRMATION","Transaction Buyer not Confirmed.Seller automatically confirmed."

8.3 Download Templates

8.3.1 Generator Bids and Schedules

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	GEN_SCH	Y
MARKET_TYPE	DAM or HAM	Y
DATE	MM/DD/YYYY	Y
GENERATOR	Name or PTID exactly as shown in the MIS	N
STATUS	Pick one from list (see Section 7.3.2, Reasons to Review Generator Bids)	N

Generator Bids and Schedules Response Parameters (E-7)

generator name, generator PTID, date & time, market, expiration, upper operating limit, spare, spare, zero start-up cost, on-dispatch, fixed min. gen. (MW), fixed min. gen. cost ($), bid curve format, dispatch curve MW(1-6), dispatch curve $/MW(1-6), 10 min non-synch mw, 10 min non-synch cost, 10 min spinning mw, 10 min spinning cost, 30 min non-synch mw, 30 min non-synch cost, 30 min spinning mw, 30 min spinning cost, regulation MWs, regulation cost, bid id, sched energy, sched 10 min non-synch, sched 10 min spinning, sched 30 min non-synch, sched 30 min spinning, sched regulation, forecasted reserve, sched available stat, sched on-line stat, sched on-dispatch stat, sched on-control stat, bid status, message

Generator Bids and Schedules Example

Input File Example USERID=testupld&PASSWORD=testupld&QUERY_TYPE=GEN_SCH&MARKET_TYPE=DAM&DATE=06/30/1999&GENERATOR=SUBZ_900101_38_GEN - 900301

Output File Example TIME_STAMP=06/23/1999 16:03

BID_TYPE=GEN_SCH

DATA_ROWS=1

"SUBZ_900101_38_GEN - 900301",900301,"06/30/1999 00:00","DAM","06/29/1999 22:30",500,"","","N","Y",200,5000,"B",100,200,300,,,,10,20,30,,,,100,10,200,10,

,,300,10,150,10,255261,,,,,,,,"","","","","VALIDATION FAILED","DAM 10 Minute Spinning Block Reserve Bid must be >= 1 & <= Emergency Response Rate.DAM regulation bid MW outside limits.Generator not qualified to bid DAM 10 minute non-synchronized reserve."

8.3.2 Generator Commitment Parameters

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	U_COMM	Y
GENERATOR	Generator name or ptid	N

Generator Commitment Response Parameters (E-2)

generator name, generator PTID, min. run time, min. down time, max. stops per day, start-up notification, start-up bid time (1-6), start-up bid cost (1-6), notification hours to start (1-6), notification hours off line (1-6), commitment id, update user, update time

Generator Commitment Example

Input File Example
USERID=testupld&PASSWORD=testupld&QUERY_TYPE="U_COMM"&GENERATOR=900301

Output File Example
TIME_STAMP=08/04/1998 11:02

BID_TYPE=U_COMM

DATA_ROWS=1

"SUBZ_900101_38_GEN - 900301",900301,5,2,2,1,1,2,3,4,5,6,11000,12000,13000,14000,15000,16000,1,2,3,4,5,6,1,2,3,4,5,6,105756,"TESTUPLD","08/04/1998 11:02"

8.3.3 Load Bids and Schedules

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	LOAD_SCH	Y
DATE	MM/DD/YYYY	Y
LOAD_AREA_BUS	Name or PTID exactly as shown in the MIS	N
STATUS	Pick one from list (see Section 7.4.2, Reasons to Review Load Bids)	N

Load Bids and Schedule Response Parameters (F3)

load name, load PTID, date & time, forecast MW, fixed MW, price cap 1 MW, price cap 1 dollar, price cap 2 MW, price cap 2 dollar, price cap 3 MW, price cap 3 dollar, interruptible type, interruptible fixed MW, interruptible fixed cost, interruptible capped MW, interruptible capped cost, bid id, sched price capped, sched interruptible fixed, sched interruptible capped, update user id, update time, bid status, message

Load Bids and Schedule Example

Input File Example   USERID=testupld&PASSWORD=testupld&QUERY_TYPE=LOAD_SCH&DATE =08/08/1998

Output File Example   TIME_STAMP=08/04/1998 11:05

BID_TYPE=LOAD_SCH

DATA_ROWS=2

"BUS - 900321_38_TEST_BUS - 21",900321,"08/08/1998 00:00",300,300,350,20,450,25,,,"30MIN",250,10,400,20,105718,,,,"VALIDATI ON PASSED",""

"BUS - 900322_38_TEST_BUS - 22",900322,"08/08/1998 00:00",300,300,,,,,,,"10MIN",250,10,,,105719,,,,"VALIDATION PASSED",""

8.3.4 Transaction Bids and Schedules

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	TRAN_SCH	Y
MARKET_TYPE	DAM, HAM, or NON-FIRM	Y
DATE	MM/DD/YYYY	Y
BID_ID	Returned in response	N
TRANSACTION_ID	Returned in response	N
SOURCE	Generator name or PTID shown in MIS	N
SINK	Load name or PTID shown in MIS	N
STATUS	Pick one from list (see Section 7.5.2, Reasons to Review Transaction bids)	N
SENDING_CONTROL_AREA	As defined in bid	N
PSE	As defined in bid	N
PSE_NUMBER	As defined in bid	N
RECEIVING_CONTROL_ AREA	As defined in bid	N
NERC_PRIORITY	As defined in bid	N
USER_REFERENCE	As defined in bid	N

Transaction Bids and Schedule Response Parameters (H-7)

date & time, source name, source PTID, sink name, sink PTID, market, sending control area, pse, pse number, spare, receiving control area, nerc priority, user reference, transaction priority, bid energy MW, sink price cap dollar, decremental dollar, bid id, transaction id, seller confirm flag, buyer confirm flag, sched energy, bid status, message

Transaction Bids and Schedule Response Examples

Input File Example　　USERID=testupld&PASSWORD=testupld&QUERY_TYPE=TRAN_SCH&DATE =08/08/1998&MARKET_TYPE=DAM

Output File Example　　TIME_STAMP=08/04/1998 11:06

BID_TYPE=TRAN_SCH

DATA_ROWS=1

"08/08/1998 00:00","SUBZ_900101_38_GEN - 900301",900301,"BUS -
900320_38_TEST_BUS -
20",900320,"DAM","","","",,"",7,"1001",1,301,1,,105725,104197,"Y","Y",,"VALIDA
TION PASSED","Buyer automatically confirmed."

8.3.5 Transaction Confirmation Status

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	TRAN_CFRM	Y
DATE	MM/DD/YYYY	N
STATUS	Bid status (VALIDATION FAILED, VALIDATION PASSED, or WAITING CONFIRMATION)	N
BUYER_CONFIRMED	Flag selecting all bids whose buyers have confirmed (Y/N)	N
SELLER_CONFIRMED	Flag selected all bids whose sellers have confirmed (Y/N)	N

Transaction Confirmation Status Response Parameters (H-7)

bid id, transaction id, date, sink confirm status, source confirm status, bid status, message

Transaction Confirmation Status Response Examples

Input File Example   USERID=testupld&PASSWORD=testupld&QUERY_TYPE=TRAN_CFRM&DATE=06/30/1999&STATUS=WAITING CONFIRMATION&SELLER_CONFIRMED=N

Output File Example   TIME_STAMP=06/23/1999 16:06

BID_TYPE=TRAN_CFRM

DATA_ROWS=1

255263,107439,"06/30/1999 00:00","Y","N","WAITING CONFIRMATION",""

8.3.6 Generator Detail

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	GEN_DETAIL	Y
GENERATOR	Name or PTID exactly as shown in the MIS	Y

Generator Detail Response Parameters (G-4)

generator name, generator type, NERC unit id, zone name, subzone name, active, contact name, contact address, contact primary phone, contact secondary phone, contact fax, contact e-mail, contact pager, PTID, max summer operating limit, max winter operating limit, summer installed capacity contracts, winter installed capacity contracts, physical min gen (MW), emergency response rate, normal response rate, max regulation response rate, penalty factor, power factor, AVR qualified, unit VAR capability leading MW (1-6), unit VAR capability leading MVAR (1-6), unit VAR capability logging MW(1-6), unit VAR capability logging MVAR(1-6), DAM fixed energy qualified, DAM regulation control qualified, DAM 10 minute non-synch qualified, DAM 30 minute non-synch qualified, DAM dispatch qualified, DAM 10 minute spinning qualified, DAM 30 minute spinning qualified, HAM fixed energy qualified, HAM regulation control qualified, HAM 10 minute non-synch qualified, HAM 30 minute non-synch qualified, HAM dispatch qualified, HAM 10 minute spinning qualified, HAM 30 minute spinning qualified

Generator Detail Response Examples

Input File Example

USERID=testupld&PASSWORD=testupld&QUERY_TYPE="GEN_DETAIL"&GENERATOR=900301

Output File Example

TIME_STAMP=07/11/2000 09:47

BID_TYPE=GEN_DETAIL

DATA_ROWS=1

"SUBZ_900101_38_GEN - 900301","UTILITY GENERATOR",118301,"ZONE-900001","SUBZONE-900101","Y","testupld","3890 Carmen Road Schenectady New York 12309 ","518-356-6000","518-356-6000","518-356-6000","","518-356-6000",900301,900,1000,850,800,200,15,15,10,.95,.98,"Y",,,,,,,,,,,,,,,,,,,,,,,,,"Y","Y","N","Y","Y","Y","Y","Y","Y","N","Y","Y","Y","Y"

8.3.7 Generator Outages/Deratings

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	GEN_OUT	Y
GENERATOR	Name or PTID exactly as shown in the MIS	N
OUTAGES	Outage status (CURRENT, ALL)	Y

Generator Outages/Deratings Response Parameters (G-9)

generator, winter limit, summer limit, min gen, start date, end date, derating, message

Generator Outages/Deratings Response Examples

Input File Example

USERID=testupld&PASSWORD=testupld&QUERY_TYPE=GEN_OUT&OUTAGES="CURRENT"

Output File Example

TIME_STAMP=07/11/2000 16:06

BID_TYPE=GEN_OUT

DATA_ROWS=1

"SUBZ_900101_38_GEN - 900301",1000,900,200,"07/11/2000 00:00","07/12/2000 00:00",500,"NO REASON"

8.3.8 Load Detail

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	LOAD_DETAIL	Y
LOAD_AREA_BUS	Name or PTID exactly as shown in the MIS	Y

Load Detail Response Parameters (G-11)

active, load name, lse, zone, subzone, edc area, PTID, energy bid qualified, price cap bid qualified, interruptible 10 minute bid qualified, interruptible 30 minute bid qualified

Load Detail Response Examples

Input File Example

USERID=testupld&PASSWORD=testupld&QUERY_TYPE="LOAD_DETAIL"& LOAD_AREA_BUS=900321

Output File Example

TIME_STAMP=07/11/2000 09:59

BID_TYPE=LOAD_DETAIL

DATA_ROWS=1

"Y","BUS - 900321_38_TEST_BUS - 21","TESTLSE1","ZONE-900001","SUBZONE-900101","2",900321,"Y","Y","N"," N"

8.3.9 Transaction Contract

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	TRAN_CONTRACT	Y
TRANSACTION_ID	Returned in response.	N
SOURCE	Generator name or PTID shown in MIS	N
USER_REFERENCE	As defined in bid.	N
NUM_ROWS	Number of rows to return in response	N
TRANS_PRIORITY	Transaction Priority	N
SINK	Load area bus name or PTID shown in MIS	N
NERC_PRIORITY	As defined in bid.	N
SENDING_CONTROL_AREA	As defined in bid.	N
PSE	As defined in bid.	N
PSE_NUMBER	As defined in bid.	N
RECEIVING_CONTROL_AREA	As defined in bid.	N

Transaction Contract Response Parameters (H-9)

transaction id, source, sink, user ref, sca, pse, pse number, rca, transaction priority, last update user, last update time.

Transaction Contract Response Examples

Input File Example USERID=testupld&PASSWORD=testupld&QUERY_TYPE=TRAN_CONTRACT &NUM_ROWS=1

Output File Example TIME_STAMP=07/11/2000 16:23

BID_TYPE=TRAN_CONTRACT

DATA_ROWS=1

118282,"SUBZ_900101_38_GEN - 900301","BUS - 900320_38_TEST_BUS - 20","1003","HQ","HQ100","010H","NIMO",,"testupld","07/11/2000 04:38"

8.3.10 Generator SCD Schedules

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	GEN_SCD	Y
DATE	MM/DD/YYYY	Y
GENERATOR	Name or PTID exactly as shown in the MIS	N

Generator SCD Schedules Response Parameters

generator name, PTID, time stamp, desired generation MW, ideal generation MW

Generator SCD Response Examples

Input File Example USERID=testupld&PASSWORD=testupld&QUERY_TYPE=GEN_SCD&DATE=06/14/2001&GENERATOR=900301

Output File Example TIME_STAMP=08/27/2001 14:11

BID_TYPE=GEN_SCD

DATA_ROWS=398

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 00:00:00",4,4

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 00:00:52",4,4

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 00:05:23",4,4

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 00:06:52",4,4

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 00:11:52",4,4

...

8.3.11 Generator PTS Results

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	GEN_PTS	Y
DATE	MM/DD/YYYY	Y
GENERATOR	Name or PTID exactly as shown in the MIS	N

Generator PTS Results Response Parameters

generator name, PTID, time stamp, average actual MW, average AGC desired MW, average SCD ramped MW, regulation performance index, average positive control error MW, average negative control error MW, control error tolerance MW, in service, on control, SCD interval seconds, reserve pickup, dispatch type, created PTS interval

Generator PTS Results Response Examples

Input File Example
USERID=testupld&PASSWORD=testupld&QUERY_TYPE=GEN_PTS&DATE= 06/14/2001&GENERATOR=900301

Output File Example
TIME_STAMP=08/27/2001 14:15

BID_TYPE=GEN_PTS

DATA_ROWS=399

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 00:00:00",4,4,4,0,0,0,.12,"Y","N",90,"N","A","N"

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 00:00:52",4,4,4,0,0,0,.12,"Y","N",276,"N","A","N"

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 00:05:23",4,4,4,0,0,0,.12,"Y","N",84,"N","A","N"

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 00:06:52",4,4,4,0,0,0,.12,"Y","N",300,"N","A","N"

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 00:11:52",4,4,4,0,0,0,.12,"Y","N",294,"N","A","N"

...

8.3.12 Generator Availabilities

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	GEN_AVAIL	Y
DATE	MM/DD/YYYY	Y
GENERATOR	Name or PTID exactly as shown in the MIS	N

Generator Availabilities Response Parameters

generator name, PTID, date, sample seconds, available, on dispatch, in service, on control, avr

Generator Availabilities Response Examples

Input File Example USERID=testupld&PASSWORD=testupld&QUERY_TYPE=GEN_AVAIL&DATE=06/14/2001&GENERATOR=900301

Output File Example TIME_STAMP=08/27/2001 14:18

BID_TYPE=GEN_AVAIL

DATA_ROWS=24

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 00:00",3600,3600,0,3600,0,3600

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 01:00",3600,3600,0,3600,0,3600

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 02:00",3600,3600,0,3600,0,3600

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 03:00",3600,3600,0,3600,0,3600

"SUBZ_900301_38_GEN-900301",900301,"06/14/2001 04:00",3600,3600,0,3600,0,3600

...

8.3.13 Generator Hourly Meter Inputs

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	GEN_ADJ	Y
DATE	MM/DD/YYYY	Y
GENERATOR	Name or PTID exactly as shown in the MIS	N

Generator Hourly Meter Inputs Response Parameters

generator name, PTID, date, actual integrated MW hour, meter MW hour, update time

Generator Hourly Meter Inputs Response Examples

Input File Example
USERID=testupld&PASSWORD=testupld&QUERY_TYPE=GEN_ADJ&DATE= 07/29/2001&GENERATOR=900301

Output File Example
TIME_STAMP=08/27/2001 14:11

BID_TYPE=GEN_ADJ

DATA_ROWS=24

"SUBZ_900301_38_GEN-900301",900301,"07/29/2001 00:00",0,0,"07/30/2001 12:09:47"

"SUBZ_900301_38_GEN-900301",900301,"07/29/2001 01:00",0,0,"07/30/2001 12:09:47"

"SUBZ_900301_38_GEN-900301",900301,"07/29/2001 02:00",0,0,"07/30/2001 12:09:47"

"SUBZ_900301_38_GEN-900301",900301,"07/29/2001 03:00",0,0,"07/30/2001 12:09:47"

"SUBZ_900301_38_GEN-900301",900301,"07/29/2001 04:00",0,0,"07/30/2001 12:09:47"

...

8.3.14 Generator SCD Inputs

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	SCD_ADJ	Y
DATE	MM/DD/YYYY	Y
GENERATOR	Name or PTID exactly as shown in the MIS	N

Generator SCD Inputs Response Parameters

generator name, PTID, time stamp, adjusted MW

Generator SCD Inputs Response Examples

Input File Example
USERID=testupld&PASSWORD=testupld&QUERY_TYPE=SCD_ADJ&DATE=10/29/2000&GENERATOR=900301

Output File Example
TIME_STAMP=08/27/2001 14:11

BID_TYPE=SCD_ADJ

DATA_ROWS=384

"SUBZ_900301_38_GEN-900301",900301,"10/29/2000 00:00:00",0

"SUBZ_900301_38_GEN-900301",900301,"10/29/2000 00:00:39",0

"SUBZ_900301_38_GEN-900301",900301,"10/29/2000 00:02:39",0

"SUBZ_900301_38_GEN-900301",900301,"10/29/2000 00:07:39",0

"SUBZ_900301_38_GEN-900301",900301,"10/29/2000 00:12:39",0

...

8.3.15 Credit Check Parameters

Data Dictionary

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	CREDIT_CHECK	Y
LOAD_AREA_BUS	Name or PTID exactly as shown in the MIS	Y
DATE	MM/DD/YYYY	Y

Credit Check Inputs Response Parameters (F-3)

load name, load PTID, Date, Credit used, Credit Limit

Credit Check Inputs Response Example

Input File Example   USERID=testupld&PASSWORD=testupld&QUERY_TYPE="CREDIT_CHECK"
&LOAD_AREA_BUS=900321&DATE=08/21/2001

Output File Example   TIME_STAMP=09/25/2001 11:02

BID_TYPE=CREDIT_CHECK

DATA_ROWS=1

"BUS - 900321_38_TEST_BUS - 21",900321, 08/21/2001, 1200, 3000