

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.
Minimum runtime	NUM(3)	Minimum number of hours that must be selected if bid is accepted.
Optional HAM bid price	NUM(6,2)	Price that should be use in HAM evaluation.
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, **minimum runtime, optional HAM bid price**

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. **Minimum runtime and optional HAM bid price fields are only available for DAM bids and are required to be null for HAM and NON-FIRM bids.**

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, , minimum runtime, optional HAM bid price

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, , minimum runtime, optional HAM bid price

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, minimum runtime, optional HAM bid price

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, minimum runtime, optional HAM bid price

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, minimum runtime, optional HAM bid price

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, , minimum runtime, optional HAM bid price

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, **minimum runtime, optional HAM bid price**, 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=4&
06/30/1999 00:00,SUBZ_900101_38_GEN -
900301,900320,DAM,,,,,7,1001,1,301.0,1.00,,2,
06/30/1999 01:00,SUBZ_900101_38_GEN -
900301,900320,DAM,,,,,7,1001,1,301.0,1.00,,2,
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=4
"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",,2,,WAI
TING CONFIRMATION","Buyer automatically confirmed.Transaction Seller not
Confirmed."
"06/30/1999 01:00","SUBZ_900101_38_GEN - 900301",900301,"BUS -
900320_38_TEST_BUS -
20",900320,"DAM","","","","7,1001",1,301.1,,255256,107439,"N","Y",,2,,WAI
TING 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,,2552
57,107503,"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".,,301,1,2,255258,1
07506,"Y","N".,,,,"WAITING CONFIRMATION","Transaction Buyer not
Confirmed.Seller automatically confirmed."

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, **minimum runtime, optional HAM bid price**, 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."

8.3.4 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, **minimum runtime, optional HAM bid price**, 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",,"VALID
ATION PASSED","Buyer automatically confirmed."