Marketplace Technical Conference
Transaction Bidding Changes – Supplemental

August 23, 2006

Draft – For Discussion Purposes Only

Presentation Objectives

➔ **Present changes to Upload/Download due to OSS Retirement**

➔ **Summarize functionality involving the migration of FRP Confirmation from OSS to MIS. Topics include:**

  ➔ **How FRP will affect MIS Status (Bid Status)**

  ➔ **FRP and Trust Relationships**

  ➔ **How FRP Confirmation Status can be changed**

Upload/Download Modifications - Overview

➔ **All OSS Upload/Download templates will be removed.**

  Templates are as follows:
  - ➔ 41 - Allows users to upload new OSS bids or modify existing ones (upload)
  - ➔ 42 - Allows users to delete existing OSS bids (upload)
  - ➔ 43 - Allows users to confirm existing OSS bids (upload)
  - ➔ 45 - Allows users to retrieve OSS-specific bid information (download)

➔ **Bidpost Upload/Download templates have been adjusted to provide the FRP Confirmed flag within the download templates (affected templates listed below):**

1. **Submit Transactions Upload**
   - ➔ No changes made to input file
   - ➔ Response file will include a new frp confirm flag parameter

2. **Transaction Confirmation Status Download**
   - ➔ FRP_CONFIRMED parameter will be an optional parameter on the input file
     - ➔ Parameter is only necessary if desire is to view data in download response that contains a particular FRP Confirm Flag value
   - ➔ Response file will include a new frp confirm flag parameter

Submit Transactions Upload – Current State

Transaction Bid Submission Parameters

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

Transaction Bid Response Parameters

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

Submit Transactions Upload - Modifications

Overview of Changes

➔ No modifications will be made to the submission parameters used for submitting transactions via Upload/Download.

  ➔ When a transaction bid is uploaded, no FRP data is needed. The MIS will determine automatically the FRP value based on the uploaded submission parameters

➔ A new response parameter, frp confirm flag, will be included as part of the Submit Transaction Bid Response file. As a result, the response file will now contain one additional response parameter

Parameter	Data Type	Description
FRP confirm flag	CHAR(1)	Flag indicating if the FRP has agreed to transaction bid.

Modified Transaction Bid Response Parameters

➔ 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, **frp confirm flag**, seller confirm flag, buyer confirm flag, sched energy, bid status, message

Transaction Confirmation Status Download – Current State

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

Response Parameters: bid id, transaction id, date, sink confirm status, source confirm status, bid status, message

Input File Example	USERID=testupld&PASSWORD=testupld&QUERY_TYPE=TRAN_CFRM&DATE=06/30/2006&STATUS=WAITING CONFIRMATION&SELLER_CONFIRMED=N
Output File Example	TIME_STAMP=06/23/2006 16:06 BID_TYPE=TRAN_CFRM DATA_ROWS=1 255263,107439,"06/30/1999 00:00","Y","N","WAITING CONFIRMATION",""

Only USERID, PASSWORD and QUERY_TYPE are required parameters for input file.

The optional parameters for the input file are used to determine any limitations of data returned in the response file. In the example above, the response will only include bids for 06/30/2006 whose Status = 'WAITING CONFIRMATION and SELLER_CONFIRMED value = 'N'. The exclusion of a BUYER_CONFIRMED parameter indicates the response will include bids whose BUYER_CONFIRMED value = 'Y' or 'N'

Transaction Confirmation Status – Modifications Overview

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 selecting all bids whose sellers have confirmed (Y/N)	N
FRP_CONFIRMED	**Flag selecting all bids whose FRP have confirmed (Y/N)**	**N**

Response Parameters:

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

The Data Dictionary contains a new optional parameter (FRP_Confirmed). **As this parameter is optional, it is not necessary to modify an input file in order to receive a response file.** The addition of the FRP_Confirmed parameter will cause the response file to display bids that contain the value indicated by the parameter (For example if the input file includes a FRP_CONFIRMED parameter that equals 'Y', the response file will only return bids whose FRP_Confirmed value = 'Y'). Omission of this parameter will allow the response file to return bids that have a FRP_Confirmed value of 'Y' or 'N'

A new response parameter, frp confirm status, will be included as part of the response file. As a result, the response file will now contain one additional parameter

Transaction Confirmation Status – Modifications Examples

Input File Example 1	USERID=testupld&PASSWORD=testupld&QUERY_TYPE=TRAN_CFRM&DATE=06/30/2006&STATUS=WAITING CONFIRMATION&FRP_CONFIRMED=Y
Output File Example 1	TIME_STAMP=06/23/1999 16:06 BID_TYPE=TRAN_CFRM DATA_ROWS=1 255263,107439,"06/30/1999 00:00",“Y”, Y","N","WAITING CONFIRMATION",""

In the Input file example above, the response will only include bids for 06/30/2006 whose Status = 'WAITING CONFIRMATION and FRP_CONFIRMED value = 'Y'.

The Output file indicates the FRP_Confirmed value = 'Y' (the sink confirm status = 'Y' and the source confirm status = 'N',

Input File Example 2	USERID=testupld&PASSWORD=testupld&QUERY_TYPE=TRAN_CFRM&DATE=06/30/2006&STATUS=WAITING CONFIRMATION
Output File Example 2	TIME_STAMP=06/23/1999 16:06 BID_TYPE=TRAN_CFRM DATA_ROWS=1 255263,107439,"06/30/1999 00:00",“Y”, Y","N","WAITING CONFIRMATION",""

In the Input file example above, the response will only include bids for 06/30/2006 whose Status = 'WAITING CONFIRMATION. **As no FRP_CONFIRMED value is included, the response will include bids whose FRP_CONFIRMED is either 'Y' or 'N'**

The Output file indicates the FRP_Confirmed value = 'Y' (the sink confirm status = 'Y' and the source confirm status = 'N',

FRP Functionality in MIS

➔ MIS status (Bid Status) will now reflect FRP Confirmation, along with Source/Sink Confirmation & other validations

  ➔ MIS status alone will indicate if a transaction is ready for evaluation by NYISO's scheduling system

  ➔ For MIS Status to equal 'Validation Passed', FRP Confirmation, Buyer Confirmed and Seller Confirmed Flags must all = 'Y'

    ➔ **(other validations, outside the scope of FRP confirmation, must occur as well)**

Trust Relationships

➔ Trust relationships specify Organization-to-Organization relationship and apply ONLY to FRP Confirmation

  ➔ Does not impact Source/Sink confirmation functionality in MIS

➔ Provides ability for FRP confirmation to happen automatically

➔ Trusted Org can submit bids against a contract created by the FRP and the FRP Confirmation will be set to 'Y'

  ➔ **In MIS, trusted organizations can not create Transaction contracts (the organization that creates the contract is the FRP)**
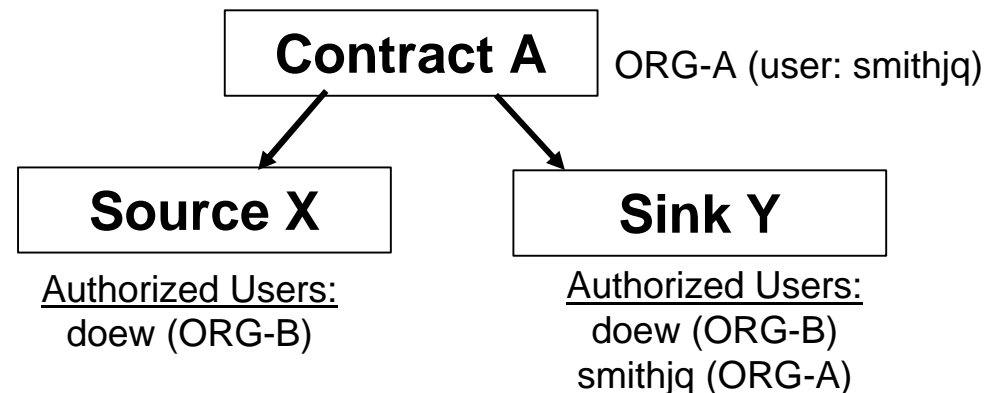
Modifying FRP Status

➔ The Bidpost Application only permits the FRP to create a Transaction Contract. When the FRP submits transaction bids against a transaction contract that they created, the FRP Confirmation Flag will be set automatically to 'Y'.

➔ In addition, a Trusted Organization of the FRP can submit transaction bids against a Transaction Contract created by the FRP and the FRP Confirmation Flag for these bids will be set automatically to 'Y'.

➔ If another party who is not the FRP or a Trusted Org submits transaction bids against a Transaction Contract created by the FRP, the FRP Confirmation Flag for these bids will be set to 'N'.

➔ To change the FRP status from 'N' to 'Y', the FRP will need to access these Transaction Bids via the Bidpost Application and simply resubmit the bids

FRP Example –Trust Relationship

➔ John Q. Smith from Organization-A (ORG-A) creates a transaction contract and submits a bid against that contract

➔ William Doe from Organization-B (ORG-B) modifies bids.

  ➔ Org A and B do have a trusted relationship

ORG-A creates the contract and bid. ORG-A is the FRP (FRP = 'Y')
ORG-A and B do have a Trust Relationship. When doew from ORG-B modifies a bid created by the FRP (ORG-A), FRP value will stay as 'Y'

Contract A   ORG-A (user: smithjq)

Source X

Authorized Users:
doew (ORG-B)

Sink Y

Authorized Users:
doew (ORG-B)
smithjq (ORG-A)

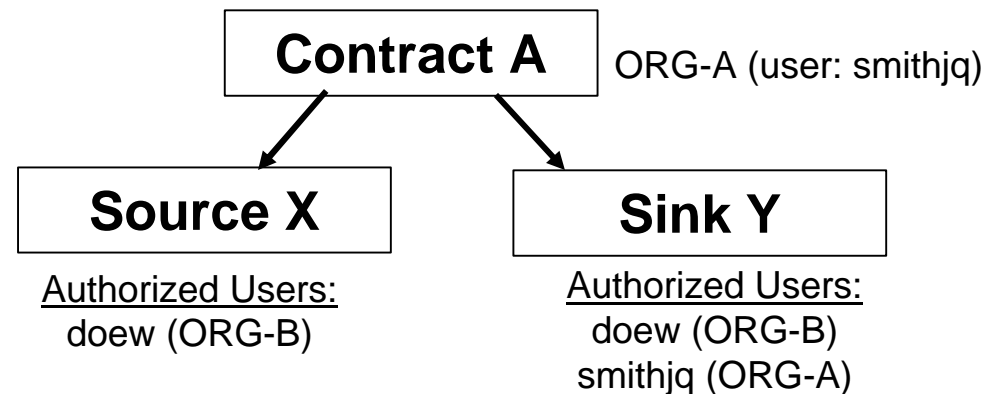| Step	Source	Sink	FRP	MIS status
smithjq creates contract	N	Y	Y	**Awaiting Confirmation**
doew modifies bids	Y	Y	Y	**Validation Passed**

FRP Example – No Trust Relationship

➔ John Q. Smith from Organization-A (ORG-A) creates a transaction contract and submits a bid against that contract

➔ William Doe from Organization-B (ORG-B) modifies bids.

  ➔ Org A and B do NOT have a trusted relationship

ORG-A creates the contract and bid. ORG-A is the FRP (FRP = 'Y')
ORG-A and B do not have a Trust Relationship. When doew from ORG-B modifies a bid created by the FRP (ORG-A), FRP will change from 'Y' to 'N'
When the FRP (ORG-A) resubmits the bid, FRP will change from 'N' to 'Y'

Contract A ORG-A (user: smithjq)

Source X
Authorized Users:
doew (ORG-B)

Sink Y
Authorized Users:
doew (ORG-B)
smithjq (ORG-A)

Step	Source	Sink	FRP	MIS status
smithjq creates contract	N	Y	Y	**Awaiting Confirmation**
doew modifies bids	Y	Y	N	**Awaiting Confirmation**
Smithjq confirms	Y	Y	Y	**Validation Passed**