

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE
As modified by the EC on September 27, 2000

Requester: GISB 1999 Annual Plan
R97118,
Imbalance Subcommittee

Request No.: R97117,
1999AP7

1. Recommended Action:

- Accept as requested
- Accept as modified below
- Decline

Effect of EC Vote to Accept Recommended Action:

- Change to Existing Practice
- Status Quo

2. TYPE OF MAINTENANCE

Per Request:

- Initiation
- Modification
- Interpretation
- Withdrawal

- Principle (x.1.z)
- Definition (x.2.z)
- Business Practice Standard (x.3.z)
- Document (x.4.z)
- Data Element (x.4.z)
- Code Value (x.4.z)
- X12 Implementation Guide
- Business Process Documentation

Per Recommendation:

- Initiation
- Modification
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- Principle (x.1.z)
- Definition (x.2.z)
- Business Practice Standard (x.3.z)
- Document (x.4.z)
- Data Element (x.4.z)
- Code Value (x.4.z)
- X12 Implementation Guide
- Business Process Documentation

3. RECOMMENDATION

STANDARD LANGUAGE (for addition, modification or deletion of a principle, definition or business practice standard)

Standard No. and Language: Revised Standard 2.3.32

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Requester: GISB 1999 Annual Plan	Request No.: R97117,
R97118,	
Imbalance Subcommittee	1999AP7

Flowing Gas
 Invoicing
 Capacity Release
 Contracts
 Informational Postings
 Site Maps

Flowing Gas
 Invoicing
 Capacity Release
 Contracts
 Info Postings
 Site Maps

Nomination Area

Nomination
 Nomination Quick Response
 Request for Confirmation
 Confirmation Response
 Confirmation Response Quick Response
 Scheduled Quantity
 Scheduled Quantity for Operator

Nominations

Nom
 Nom QR
 Req for Conf
 Conf Resp
 Conf Resp QR
 Sched Qty
 Sched Qty Oper

Flowing Gas Area Flowing Gas

Pre-determined Allocation PDA
 Pre-determined Allocation Quick Response
 Allocation
 Shipper Imbalance
 Measurement Information
 Measured Volume Audit Statement Meas Vol Audit

PDA QR
 Allocation
 Shipper Imbal
 Meas Info

[Authorization to Post Imbalances](#)
[Posted Imbalances Download](#)
[Request for Imbalance Trade](#)
[Request for Imbalance Trade Quick Response](#)
[Withdrawal of Request for Imbalance Trade](#)
[Request for Confirmation of Imbalance Trade](#)
[Imbalance Trade Confirmation](#)
[Imbalance Trade Notification](#)

[Auth to Post Imbal](#)
[Post Imbal Dwnld](#)
[Req for Imbal Trd](#)
[Req for Imbal Trd QR](#)
[W/D of Req for Imbal Trd](#)
[Req for Conf of Imbal Trd](#)
[Imbal Trd Conf](#)
[Imbal Trd Notify](#)

Invoicing Area

Invoice
 Service Requester Level Charge /
 Allowance Invoice
 Payment Remittance
 Statement of Account

Invoicing

Invoice
 Svc Req Invc
 Pmt Remit
 Stmt of Acct

Capacity Release Area

Offers
 Bids
 Awards

Capacity Release

Offers
 Bids
 Awards

Contracts Area

Contracts

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE
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Requester: GISB 1999 Annual Plan R97118, Imbalance Subcommittee	Request No.: R97117, 1999AP7
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4. SUPPORTING DOCUMENTATION

a. Description of Request:

To: GISB Imbalance Subcommittee Chairs
 From: GISB Expedited Data Development Subcommittee Chairs
 Subject: Proposed Imbalance Netting / Trading Data Sets
 Date: July 27, 2000

During the processing of **R97117** and **R97118**, the Expedited Data Development Subcommittee determined to send the following to the Imbalance Subcommittee:

EDD requests the Imbalance Subcommittee to review the existing business standards for possible revisions related to the Imbalance Netting / Trading data sets on Web sites. Some examples are: GISB Standard Nos. 2.3.32, 4.3.42 and 4.3.54, 4.3.75.

b. Description of Recommendation:

Imbalances Subcommittee August 17, 2000

Web Page Navigation

Review of Version 1.4 standards for possible changes to web page navigation to accommodate imbalance netting and trading standards, such as GISB Standard Nos. 2.3.32, 4.3.42, 4.3.54, and 4.3.75. Standard No. 4.2.10 may also be affected.

Suggested changes to standards language discussed.

Possible vote on suggested language changes.

Communicate response to the EDD Subcommittee.

2.3.32 The group addressed the standards working off the work paper prepared by Dennis LaTour. Ms. Munson suggested that Imbalance Netting and Trading be categorized under its own grouping, separate from the existing Flowing Gas datasets. There was discussion on this topic.

Mr. Spangler made the following motion, which was seconded by Ms. Davis:

Motion: Replace existing standard no. 2.3.32 with the following language:

On the Flowing Gas Web pages, data should be organized in logical groupings. The logical groupings of data are specified in the related data dictionaries.

Note: GISB Standard No. 2.4.6, 'Measured Volume Audit Statement', is very data intensive and lends itself well to EDI. It may be too intensive for a visual display and is not required to be supported on Customer Activities Web sites.

Sense of the Room: The motion passed unanimously. A role call vote was not necessary.

	In Favor	Balanced	Opposed	Balanced
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GISB Imbalance Subcommittee

Workpaper for August 17, 2000 Meeting

Current Standard 2.3.32

On the Web pages for the following datasets, data should be organized in logical groupings. The logical groupings of data are specified in the related Data Dictionary.

Flowing Gas Related Datasets:

- 2.4.1 Pre-determined Allocation
- 2.4.3 Allocation
- 2.4.4 Shipper Imbalance
- 2.4.5 Measurement Information

Note: GISB Standard No. 2.4.6, 'Measured Volume Audit Statement', is very data intensive and lends itself well to EDI. It may be too intensive for a visual display which is why at this time it is not addressed in the above motion.

Proposed Standard 2.3.32

On the Web pages for the following datasets, data should be organized in logical groupings. The logical groupings of data are specified in the related Data Dictionary.

Flowing Gas Related Datasets:

- 2.4.1 Pre-determined Allocation
- 2.4.3 Allocation
- 2.4.4 Shipper Imbalance
- 2.4.5 Measurement Information
- 2.4.x Authorization to Post Imbalances
- 2.4.x Posted Imbalances Download
- 2.4.x Request for Imbalance Trade
- 2.4.x Withdrawal of Request for Imbalance Trade
- 2.4.x Request for Confirmation of Imbalance Trade
- 2.4.x Imbalance Trade Confirmation
- 2.4.x Imbalance Trade Notification

Note: GISB Standard No. 2.4.6, 'Measured Volume Audit Statement', is very data intensive and lends itself well to EDI. It may be too intensive for a visual display which is why at this time it is not addressed in the above motion.

Current Definition 4.2.10

"Customer Activities" is the term used to refer to the business function categories relating to Nominations, Flowing Gas, Invoicing, Capacity Release, Contracts, and other business functions on industry Web sites.

Proposed Definition 4.2.10

Since the Imbalance Netting / Trading Datasets are being included within the Flowing Gas business function category, no change is proposed to this definition.

Current Standard 4.3.42

The categories and the labels for Customer Activities Web sites should appear, if applicable, in the Navigational Area as follows:

- Nominations
- Flowing Gas
- Invoicing
- Capacity Release
- Contracts
- Informational Postings
- Site Map

Links supporting Mutually Agreeable categories should precede Informational Postings.

Proposed Standard 4.3.42

Since the Imbalance Netting / Trading Datasets are being included within the Flowing Gas business function category, no change is proposed to this standard.

Current Standard 4.3.54

With regard to the navigational links on Customer Activities Web sites, when using abbreviations, the following should be used:

<u>Full Name</u>	<u>Abbreviation</u>
Customer Activities	Customer Activities
Nominations	Nominations
Flowing Gas	Flowing Gas
Invoicing	Invoicing
Capacity Release	Capacity Release
Contracts	Contracts
Informational Postings	Info Postings
Site Maps	Site Maps
Nomination Area	Nominations
Nomination	Nom
Nomination Quick Response	Nom QR
Request for Confirmation	Req for Conf
Confirmation Response	Conf Resp
Confirmation Response Quick Response	Conf Resp QR
Scheduled Quantity	Sched Qty
Scheduled Quantity for Operator	Sched Qty Oper

Flowing Gas Area

Pre-determined Allocation
 Pre-determined Allocation Quick Response
 Allocation
 Shipper Imbalance
 Measurement Information
 Measured Volume Audit Statement

Invoicing Area

Invoice
 Service Requester Level Charge /
 Allowance Invoice
 Payment Remittance
 Statement of Account

Capacity Release Area

Offers
 Bids
 Awards

Contracts Area**Flowing Gas**

PDA
 PDA QR
 Allocation
 Shipper Imbal
 Meas Info
 Meas Vol Audit

Invoicing

Invoice

 Svc Req Invc
 Pmt Remit
 Stmt of Acct

Capacity Release

Offers
 Bids
 Awards

ContractsProposed Standard 4.3.54

With regard to the navigational links on Customer Activities Web sites, when using abbreviations, the following should be used:

Full Name**Customer Activities**

Nominations
 Flowing Gas
 Invoicing
 Capacity Release
 Contracts
 Informational Postings
 Site Maps

Nomination Area

Nomination
 Nomination Quick Response
 Request for Confirmation
 Confirmation Response
 Confirmation Response Quick Response
 Scheduled Quantity
 Scheduled Quantity for Operator

Flowing Gas Area

Pre-determined Allocation
 Pre-determined Allocation Quick Response
 Allocation
 Shipper Imbalance

Abbreviation**Customer Activities**

Nominations
 Flowing Gas
 Invoicing
 Capacity Release
 Contracts
 Info Postings
 Site

Nominations

Nom
 Nom QR
 Req for Conf
 Conf Resp
 Conf Resp QR
 Sched Qty
 Sched Qty Oper

Flowing Gas

PDA
 PDA QR
 Allocation
 Shipper Imbal

Measurement Information	Meas Info
Measured Volume Audit Statement	Meas Vol Audit
Authorization to Post Imbalances	Auth to Post Imbal
Posted Imbalances Download	Post Imbal Dwnld
Request for Imbalance Trade	Req for Imbal Trd
Request for Imbalance Trade Quick Response	Req for Imbal Trd QR
Withdrawal of Request for Imbalance Trade	W/D of Req for Imbal Trd
Request for Confirmation of Imbalance Trade	Req for Conf of Imbal Trd
Imbalance Trade Confirmation	Imbal Trd Conf
Imbalance Trade Notification	Imbal Trd Notify

Invoicing Area

- Invoice
- Service Requester Level Charge / Allowance Invoice
- Payment Remittance
- Statement of Account

Capacity Release Area

- Offers
- Bids
- Awards

Contracts Area

Invoicing

- Invoice
- Svc Req Invc
- Pmt Remit
- Stmnt of Acct

Capacity Release

- Offers
- Bids
- Awards

Contracts

Current Standard 4.3.75

The sub-categories and the labels for the category of Flowing Gas should appear, if applicable, in the Navigational Area as follows:

- Pre-determined Allocation
- Allocation
- Imbalance
- Measurement

Links supporting additional sub-categories will follow these links. This does not preclude a further breakdown within each sub-category from being listed in the Navigational Area.

Proposed Standard 4.3.75

Since the Imbalance Netting / Trading Datasets are being included within the Imbalance category of Flowing Gas, no change is proposed to this standard.

GISB Imbalance Subcommittee

Workpaper for August 31, 2000 Meeting

Revised Standard 2.3.32

On the [Flowing Gas](#) Web pages ~~for the following datasets~~, data should be organized in logical groupings. The logical groupings of data are specified in the related [Data Dictionary](#).

~~Flowing Gas Related Datasets:~~

~~2.4.1 Pre-determined Allocation~~

~~2.4.3 Allocation~~

~~2.4.4 Shipper Imbalance~~

~~2.4.5 Measurement Information~~

Note: GISB Standard No. 2.4.6, 'Measured Volume Audit Statement', is very data intensive and lends itself well to EDI. It may be too intensive for a visual display [and is not required to be supported on Customer Activities Web sites](#). ~~which is why at this time it is not addressed in the above motion.~~

Revised Standard 4.3.54

With regard to the navigational links on Customer Activities Web sites, when using abbreviations, the following should be used:

Full Name

Customer Activities

Nominations

Flowing Gas

Invoicing

Capacity Release

Contracts

Informational Postings

Site Maps

Nomination Area

Nomination

Nomination Quick Response

Request for Confirmation

Confirmation Response

Confirmation Response Quick Response

Scheduled Quantity

Scheduled Quantity for Operator

Abbreviation

Customer Activities

Nominations

Flowing Gas

Invoicing

Capacity Release

Contracts

Info Postings

Site

Nominations

Nom

Nom QR

Req for Conf

Conf Resp

Conf Resp QR

Sched Qty

Sched Qty Oper

Flowing Gas Area

Pre-determined Allocation
 Pre-determined Allocation Quick Response
 Allocation
 Shipper Imbalance
 Measurement Information
 Measured Volume Audit Statement
 Authorization to Post Imbalances
 Posted Imbalances Download
 Request for Imbalance Trade
 Request for Imbalance Trade Quick Response
 Withdrawal of Request for Imbalance Trade
 Request for Confirmation of Imbalance Trade
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 Payment Remittance
 Statement of Account

Capacity Release Area

Offers
 Bids
 Awards

Contracts Area**Flowing Gas**

PDA
 PDA QR
 Allocation
 Shipper Imbal
 Meas Info
 Meas Vol Audit
 Auth to Post Imbal
 Post Imbal Dwnld
 Req for Imbal Trd
 Req for Imbal Trd QR
 W/D of Req for Imbal Trd
 Req for Conf of Imbal Trd
 Imbal Trd Conf
 Imbal Trd Notify

Invoicing

Invoice

 Svc Req Invc
 Pmt Remit
 Stmt of Acct

Capacity Release

Offers
 Bids
 Awards

Contracts



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE
Amended by the Executive committee on September 27 ,2000
Prepared by the Expedited Data Development Subcommittee

Requester: GISB 1999 Annual Plan

Request No.: 1999AP7, R97117, R97118

1. Recommended Action:

- Accept as requested
- Accept as modified below
- Decline

Effect of EC Vote to Accept Recommended Action:

- Change to Existing Practice
- Status Quo

2. TYPE OF MAINTENANCE

Per Request:

- Initiation
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- Interpretation
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- Principle (x.1.z)
- Definition (x.2.z)
- Business Practice Standard (x.3.z)
- Document (x.4.z)
- Data Element (x.4.z)
- Code Value (x.4.z)
- X12 Implementation Guide
- Business Process Documentation

Per Recommendation:

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- Data Element (x.4.z)
- Code Value (x.4.z)
- X12 Implementation Guide
- Business Process Documentation

3. RECOMMENDATION

SUMMARY:

- Revise the following in the Flowing Gas Standards Book:
 - Executive Summary
 - Business Process and Practices
- Add the following documents:
 - Authorization to Post Imbalances
 - Posted Imbalances Download
 - Request for Imbalance Trade
 - Request for Imbalance Trade Quick Response
 - Withdrawal of Request for Imbalance Trade
 - Request for Confirmation of Imbalance Trade
 - Imbalance Trade Confirmation
 - Imbalance Trade Notification



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- For each of the above documents, add the following:
 - Technical Implementation of Business Process (TIBP)
 - Data Dictionary
 - Code Values Dictionaries
 - Sample Paper Transaction

Please Note: For each of the data dictionaries, the where the EDI column would normally appear, the usages will be provided at time of publication of EDI/FF implementation instructions.

DATA DICTIONARY (for new documents and addition, modification or deletion of data elements)

Document Name and No.: See list of documents in Summary above.

Please Note: For each of the data dictionaries, the where the EDI column would normally appear, the usages will be provided at time of publication of EDI/FF implementation instructions.

see attached Data Dictionaries

CODE VALUES LOG (for addition, modification or deletion of code values)

Document Name and No.: See list of documents in Summary above.

See Attached Code Values Dictionaries

BUSINESS PROCESS DOCUMENTATION (for addition, modification or deletion of business process documentation language)

Standards Book: Flowing Gas Related Standards Book

- See attached Executive Summary
- See attached Business Process and Practices
- See attached Technical Implementation of Business Process for each of the above listed Data Dictionaries
- See attached Sample Paper Transaction for each of the above listed Data Dictionaries



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Requester: GISB 1999 Annual Plan

Request No.: 1999AP7, R97117, R97118

4. SUPPORTING DOCUMENTATION

a. Description of Request:

1999AP7	GISB 1998 and 1999 Annual Plan
R97117	Add two new business practice standards, one new associated dataset (EDI document) to facilitate the posting of Shippers' Imbalances, and a new code value for the Data Sets Requested data element in the Upload of Request for Download of Posted Data Sets (GISB Standard No. 5.4.14) and Response to Upload of Request for Download of Posted Data Sets (GISB Standard No 5.4.15).
R97118	Add two new codes to the Transaction Type data element to delineate nominations of imbalance trades across contracts in the Nomination and nomination related data sets.

b. Description of Recommendation:

Imbalances Subcommittee

Excerpt from Final Minutes of July 6, 2000 conference call:

“Motion: The Authorization to Post Imbalances and the Withdrawal of Request for Imbalance Trade are not suitable for EDI development. The Imbalance Subcommittee instructs the EDD Subcommittee that it **not** address EDI development for these two datasets.

Motion passed unanimously.”

Expedited Data Development Subcommittee

See minutes for the following Expedited Data Development meetings:

- March 13 – 14, 2000
- May 9 – 10, 2000
- June 6 – 7, 2000
- July 11 – 12, 2000
- July 28, 2000
- July 31, 2000
- August 10, 2000
- August 29 – 30, 2000

c. Business Purpose:

Expedited Data Development Subcommittee developed information requirements for the standards for imbalance netting and trading adopted by the GISB Executive Committee on July 15, 1999.

d. Commentary/Rationale of Subcommittee(s)/Task Force(s):

Expedited Data Development Subcommittee developed information requirements for the standards for imbalance netting and trading adopted by the GISB Executive Committee on July 15, 1999.

EXECUTIVE SUMMARY

~~Four areas of the natural gas business processes are classified within the Flowing Gas area. The four areas include the communications concerning an agreement on the factors that should be used to drive the determination of entitlement rights of flowing gas at a location (Pre-determined Allocation), the communications of the entitlement rights of flowing gas at a location (Allocation), the communications of entitlement rights of flowing gas on a contract level (Shipper Imbalance), and the communications of the estimated or actual physical flow of gas at a location (Measurement Information) and the communication of the estimated or actual physical flow of gas at a location along with gas quality information (Measured Volume Audit Statement).~~

Six areas of the natural gas business processes are classified within the Flowing Gas area. The six areas include:

- 1. Pre-determined Allocation**
The communications concerning an agreement on the factors that should be used to drive the determination of entitlement rights of flowing gas at a location,
- 2. Allocation**
The communications of the entitlement rights of flowing gas at a location,
- 3. Shipper Imbalance**
The communications of entitlement rights of flowing gas on a contract level,
- 4. Imbalance Netting & Trading**
The communications and management of Imbalance Trading,
- 5. Measurement Information**
The communications of the estimated or actual physical flow of gas at a location, and
- 6. Measured Volume Audit Statement**
The communication of the estimated or actual physical flow of gas at a location along with gas quality information.

To clarify the expectations and responsibilities of all parties prior to gas flow, pre-determined allocation data is exchanged via the Pre-determined Allocation (PDA) data set. The PDA allows parties to manage the impact of variances between the actual quantities flowing and scheduled quantities. Before the flow of gas across a location, the PDA secures the agreement between the allocating party and the allocated parties as to the method to be used for computing the allocations of relating scheduling quantities to actual physical flow.

Many different parties can be involved with the movement of natural gas across a particular location. The determination of the entitlement rights for each particular party of the actual flowing gas moving across the location is accomplished by allocating the actual flow among the parties. Allocations are performed by the operator of the affected location, using the pre-determined allocation methodology agreed to by the parties involved. The Allocation is used to communicate the allocation information to the parties involved.

Allocation information at a contract level is presented in the Shipper Imbalance. This information can be used by the shippers to manage their transactions and determine if the actual or estimated gas flows are in balance.

~~The Posted Imbalances Download allows shippers and other interested parties to obtain a listing from the transportation service provider of all the imbalances for parties who have authorized their posting via the Authorization to Post Imbalances. With this information, shippers and other interested parties may trade imbalances with each other. Parties trading imbalances communicate their transactions to the transportation service provider utilizing the Request for Imbalance Trade, Imbalance Trade Confirmation, and Withdrawal of Request for Imbalance Trade. The transportation service provider communicates with the trading parties using the Request for Imbalance Trade Quick Response, Request for Confirmation of Imbalance Trade, and Imbalance Trade Notification.~~

The Measurement Information data set contains a subset of the information that has traditionally been considered a measurement statement. The data set is designed to provide information on the actual or estimated physical flow moving across a location. It can be used to support other flowing gas or invoicing data sets. It does not include data utilized to verify the calculation of the measured flow.

Like the Measurement Information data set, the Measured Volume Audit Statement also contains the actual or estimated physical flow. In addition, it is used to convey information on the various components of the gas which can be utilized for audit purposes.

BUSINESS PROCESS AND PRACTICES

A. Overview

Pre-Determined Allocation (PDA)

Actual flow of natural gas is allocated to the parties involved in the transaction. These parties can include producers, operators, transporters and shippers using various methodologies to allocate actual quantities. In order to manage the impact of actual quantities varying from scheduled quantities, the specification of the method to be used in allocating actual quantities prior to gas flow is imperative. PDA's accomplish this goal by securing the agreement of the allocating--and allocated--parties on the method to be used for computing the allocation, i.e. relating scheduled quantities to actual physical flow. The implementation of a PDA clarifies all parties' expectations and responsibilities prior to gas flow.

Allocation

The allocation data set will communicate the result of the allocation process at a point. Actual measured quantities are distributed to scheduled transactions at a location. The allocation process takes into account the actual measured quantities, the scheduled quantities and the predetermined allocation method in effect for the allocation period. Quantities are allocated on either a daily or monthly basis.

There are two basic types of allocation -- Single Level or Multiple Level. The Single Level allocation type indicates the location operator will allocate to the service requester level in one step. The Multiple Level allocation type indicates that allocations are performed at multiple levels in a hierarchical manner with parties specifying the allocation method for their purchasers or contracts. There is currently no established GISB standard concerning whether allocations are performed at a single level or multiple levels. Therefore, the allocation data set has been defined in such a way to accommodate either type of allocation. Accommodating both types requires varied usage of data elements dependent on the information being communicated.

Information is always shared with the interconnecting operator of a location and limited information may be shared with other business parties (or their designated agents) who at some level may have ownership of gas quantities at the location. The interconnecting operator receives allocated information for the total quantity at the location. Other parties receive information that directly applies to their business transactions. The level of allocation is specified in the data set.

The Multiple Level allocation type is further complicated by the title tracking issue. There is currently no established GISB standard concerning title tracking. This data set should accommodate allocating parties that perform title tracking. The usage of the data elements does not fundamentally change in title tracking. However in title tracking, the terms upstream and downstream refer to the immediate supplier or receiving party relative to the service requester as opposed to the party taking or relinquishing custody at a physical location.

Example: In title tracking at a receipt point, the service requester would only know the identity of their direct suppliers and markets and would provide this information on the nomination. The upstream party may not have ownership of gas upstream of the meter. If this is the case, the upstream party would also be providing a nomination to the allocating party identifying their direct supplier. All parties involved in a marketing chain would nominate and the service provider would ultimately be able to identify the true upstream party that has ownership on the upstream facility. An "Operator" allocation statement would identify the upstream party with ownership on the upstream facility. A "Marketer" allocation statement would identify the direct supplier to the recipient of the allocation statement.

The Allocation data set uses information from the nomination, confirmation, pre- determined allocation method and measurement processes. Information contained in the allocation data set will impact the imbalance and invoice processes.

Shipper Imbalance

Natural gas flows from source points to disposition points in accordance with the scheduled nominations made by various parties. The actual flow of gas is then allocated among the various parties to transactions, in accordance with pre-determined allocation methodologies.

A shipper nominates a quantity of gas at a receipt point and contracts with a pipeline to transport this quantity of gas to a delivery point. However, allocated quantities at the receipt point and delivery point may not be the same. For example, with reductions for fuel quantities, over-delivery by the transportation service provider at the delivery point, or under delivery by the transportation requester at the receipt point, the quantities at the receipt point and delivery point may not be the same. The resulting difference is referred to as an imbalance.

Imbalances are reported by the allocating party to the affected parties involved in the transportation transaction. Imbalances may be reported on a daily or monthly basis. Imbalances may be resolved in a number of different ways.

The nomination starts the procedure, after which the allocation takes place. Gas is allocated at a location level and a contract level. The imbalance data set provides contract allocation information. The imbalance can be calculated using this information. This information can be a daily or a multi-day function, or it can be final closing data for an accounting period. The monthly imbalance should be monitored throughout the month, so the imbalance may be minimized.

Imbalance Netting and Trading

Shippers must authorize the transportation service provider to post their imbalances via the Authorization to Post Imbalances before such time as they may be included on the Posted Imbalances Download. Shippers and other interested parties request the Posted Imbalances Download using the Upload of Request for Download of Posted Datasets (GISB Standard 5.4.14).

Once trading parties have arranged a potential trade, the initiating trader provides the specifics of the trade via the Request for Imbalance Trade for both the initiating trader and the party with whom they are proposing to trade, the confirming trader. This Request for Imbalance Trade is sent by the initiating trader to the transportation service provider for this purpose. The transportation service provider will inform the initiating trader of the receipt of their request and of any errors using the Request for Imbalance Trade Quick Response.

The transportation service provider may choose to request a confirmation from the confirming trader through the use of the Request for Confirmation of Imbalance Trade.

The Imbalance Trade Confirmation is sent by the confirming trader to the transportation service provider to indicate whether the imbalance trade has been accepted or rejected. Without a successful confirmation prior to the close of the transportation service provider's imbalance trading period, the trade will not take place.

Upon successful confirmation of a requested trade, the transportation service provider will notify the initiating trader and the confirming trader of the status of the trade using the Imbalance Trade Notification. The parties cannot consider their trade confirmed and/or approved until such time as they receive the Imbalance Trade Notification. The Imbalance Trade Notification will inform the parties of any reductions through the use of the reduction reason codes.

Measurement

The Measurement Information data set and the Measured Volume Audit Statement data set are both used to report gas measurement information in support of the allocation, imbalance and invoice processes. The Measured Volume Audit Statement also contains gas component data which is used for calculation and audit purposes.

TECHNICAL IMPLEMENTATION OF BUSINESS PROCESS

The Authorization to Post Imbalances is used to initiate the process of posting imbalances. It is sent from a service requester, or their agent, to the transportation service provider. This authorization instructs the transportation service provider to “post” the service requester’s imbalances. Posted imbalances can be viewed or, upon request, downloaded by other service requesters, or their agents. A transportation service provider will continue to post the service requester’s imbalances until the authorization to post imbalances is rescinded by the service requester.

SAMPLE PAPER TRANSACTION

The following example illustrates a paper transaction for the Authorization to Post Imbalances:

Authorization to Post Imbalances

Transportation Service Provider: General Pipeline (333222555)

Service Requester: Omega, Corp (222333444)
Contact Name : Orville Omega
Contact Phone: 999-555-4325

Authorization Effective Date: March 24, 2001
Authorization Indicator: Yes

Contract Holder: Beta, Inc. (666555444)

DATA DICTIONARY

x.4.z Authorization to Post Imbalances

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Service Requester Data	Identifies the party requesting the service, or their agent.	BEDG		
Service Requester * (Svc Req)		BEDG	M	
Service Requester Name (Svc Req Name)		BEDG	M	
Authorization Effective Date (Auth Eff Date)	The date on which the authorization becomes effective.	ADG	M	
Authorization Indicator Data	Specifies whether imbalances are authorized to be posted.	ADG		
Authorization Indicator (Auth Ind)		ADG	C	At least one of Authorization Indicator or Authorization Indicator Description is required.
Authorization Indicator Description (Auth Ind Desc)		ADG	C	At least one of Authorization Indicator or Authorization Indicator Description is required.
Contract Holder Data	The entity with the contractual relationship with the transportation service provider.	BEDG		
Contract Holder * (K Holder)		BEDG	M	
Contract Holder Name (K Holder Name)		BEDG	M	
Service Requester Contact Name (Svc Req Contact)	The name of the service requester primary contact.	BEDG	M	
Service Requester Contact Phone Number (Svc Req Phone)	The phone number of the service requester primary contact.	BEDG	M	

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Transportation Service Provider Data	Identifies the party providing the requested service.	BEDG		
Transportation Service Provider * (TSP)		BEDG	M	
Transportation Service Provider Name) (TSP Name)		BEDG	M	

* Indicates Common Code

DATA GROUPS:

ADG Authorization Data Group
BEDG Business Entity Data Group

CODE VALUES DICTIONARY

Authorization Indicator

Code Value Description	Code Value Definition	Code Value
Yes	Transportation service provider is authorized to post imbalances.	
No	Prior authorization to post imbalances is rescinded.	

TECHNICAL IMPLEMENTATION OF BUSINESS PROCESS

The Posted Imbalances Download is a listing of all posted imbalances on a transportation service provider's system that have been authorized for posting. It is sent from the transportation service provider to the data requester in response to an Upload of Request for Download of Posted Data Sets that requested the Posted Imbalances Download.

The **posted imbalance quantity** is expressed as a positive whole number. The **imbalance direction indicator** is used to designate whether the quantity is due to the service requester or due from the service requester.

SAMPLE PAPER TRANSACTION

The following example illustrates a paper transaction for the
Posted Imbalances Download:

Posted Imbalances Download

Transportation Service Provider: General Pipeline (333222555)

Imbalance Period: June 2001

Statement Date/Time: July 12, 2001 / 10:00 a.m.

Operational Impact Area: OA1

<u>Service Requester / Contract Holder</u>	<u>Imbalance Quantity</u>	<u>Imbalance Direction</u>
Alpha Services (999888777) / Alpha Services (999888777) Contact Name: Mary B. Service Contact Phone: 999-555-1212 *****	100	Due To Svc Req
Omega, Corp. (222333444) / Beta, Inc. (666555444) Contact Name: Orville Omega Contact Phone: 999-555-4325 *****	300	Due From Svc Req
Gamma Tech. (555444333) / Gamma Tech. (555444333) Contact Name: Gary Gamma Contact Phone: 999-555-2222 *****	500	Due From Svc Req
Delta Dist. (444333222) / Delta Dist. (444333222) Contact Name: Delta Burque Contact Phone: 999-555-3322	800	Due To Svc Req

DATA DICTIONARY

x.4.z Posted Imbalances Download

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Imbalance Period (Imb Per)	The period during which the imbalance occurred or the cumulative imbalance is reported.	BEDG	M	
Statement Date/Time (Stmt D/T)	Date and time the statement was produced.	BEDG	M	
Transportation Service Provider Data	Identifies the party providing the requested service.	BEDG		
Transportation Service Provider * (TSP)		BEDG	M	
Transportation Service Provider Name (TSP Name)		BEDG	M	
Operational Impact Area (OIA)	A transportation service provider's designation of the largest possible area(s) on its system in which imbalances have a similar operational effect.	OIADG	M	
Service Requester Data	Identifies the party requesting the service, or their agent.	CDG		
Service Requester * (Svc Req)		CDG	M	
Service Requester Name (Svc Req Name)		CDG	M	
Contract Holder Data	The entity with the contractual relationship with the transportation service provider.	CDG		

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Contract Holder * (K Holder)		CDG	M	
Contract Holder Name (K Holder Name)		CDG	M	
Service Requester Contact Name (Svc Req Contact)	The name of the service requester primary contact.	CDG	M	
Service Requester Contact Phone Number (Svc Req Phone)	The phone number of the service requester primary contact.	CDG	M	
Service Requester Contract (Svc Req K)	This is the contract under which service is being requested.	CDG	SO	
Posted Imbalance Quantity (Posted Imb Qty)	The posted imbalance quantity which occurred during an imbalance period, or the posted imbalance quantity as of the end of an imbalance period. The quantity is expressed as a positive whole number.	TSDG	M	
Imbalance Type (Imb Type)	A transportation service provider defined abbreviation for the type of imbalance.	TSDG	SO	
Imbalance Direction Data	Indicates whether the Posted Imbalance Quantity is due to the service requester from the transportation service provider or due from the service requester to the transportation service provider.	TSDG		
Imbalance Direction Indicator (Imb Dir)		TSDG	C	For EBB, at least one of Imbalance Direction Indicator or Imbalance Direction Description is required.

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Imbalance Direction Description (Imb Dir Desc)		TSDG	C	For EBB, at least one of Imbalance Direction Indicator or Imbalance Direction Description is required.

* Indicates Common Code

DATA GROUPS:

BEDG Business Entity Data Group
 CDG Contracts Data Group
 OIADG Operational Impact Area Data Group
 TSDG Transaction Specific Data Group

CODE VALUES DICTIONARY

Imbalance Direction Indicator

Code Value Description	Code Value Definition	Code Value
Due TO Svc Req	The Posted Imbalance Quantity is due to the service requester from the transportation service provider.	
Due FROM Svc Req	The Posted Imbalance Quantity is due from the service requester to the transportation service provider.	

TECHNICAL IMPLEMENTATION OF BUSINESS PROCESS

The Request for Imbalance Trade is used to initiate the process of trading imbalances. The party submitting the request to the transportation service provider is identified as the **initiating trader**. The initiating trader provides the specifics of the trade for both the initiating trader and the party with whom they are proposing to trade, the **confirming trader**.

The contract holder is the party to whom the imbalance has been assigned. In the situation where the transportation service provider has the business practice of netting imbalances across contract holders for a single agent, the agent becomes the party listed as the contract holder.

The **imbalance trade tracking id** originates in the Request for Imbalance Trade. It is line item specific and is used to tie the Request for Imbalance Trade to the Request for Imbalance Trade Quick Response, the Request for Confirmation of Imbalance Trade (a mutually agreed data set), the Imbalance Trade Confirmation and the Imbalance Trade Notification. It is neither validated by the receiver of the process, nor is it used as a key in the receiver of the process' data base.

The **trade quantity requested** is expressed as a positive whole number. The **imbalance trade direction indicator** is used to designate whether the quantity is being traded:

- TO the initiating trader FROM the confirming trader, or
- FROM the initiating trader TO the confirming trader.

SAMPLE PAPER TRANSACTION

The following example illustrates a paper transaction for the Request for Imbalance Trade:

Request for Imbalance Trade

Transportation Service Provider: General Pipeline (333222555)

Initiating Trader Data

Delta Dist. (444333222)
Contact Name: Delta Burque
Contact Phone: 999-555-3322

Contract Holder: Delta Dist.
(444333222)

Confirming Trader Data

Omega Corp. (222333444)
Contact Name: Orville Omega
Contact Phone: 999-555-4325

Contract Holder: Beta, Inc.
(666555444)

Imbalance Period: June 2001

Operational Impact Area – Initiating Trader: OA1

Imbalance Trade Tracking ID: T1
Trade Quantity Requested: 300
Imbalance Trade Direction: FROM Initiating Trader

DATA DICTIONARY

x.4.z Request for Imbalance Trade

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Contract Holder – Confirming Trader Data	The entity with the contractual relationship with the transportation service provider for the confirming trader imbalance.	CTDG		
Contract Holder - Confirming Trader * (K Holder-Conf Trdr)		CTDG	M	
Contract Holder - Confirming Trader Name (K Holder-Conf Trdr Name)		CTDG	M	
Contract Holder – Initiating Trader Data	The entity with the contractual relationship with the transportation service provider for the initiating trader imbalance.	ITDG		
Contract Holder - Initiating Trader * (K Holder-Init Trdr)		ITDG	M	
Contract Holder - Initiating Trader Name (K Holder-Init Trdr Name)		ITDG	M	
Imbalance Period – Confirming Trader (Imb Per-Conf Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the confirming trader.	CTDG	BC	Used when the transportation service provider allows imbalances to be traded across imbalance periods.

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Imbalance Period – Initiating Trader (Imb Per-Init Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the initiating trader.	ITDG	M	
Initiating Trader Contact Name (Init Trdr Contact)	The name of the initiating trader primary contact.	ITDG	M	
Initiating Trader Contact Phone Number (Init Trdr Phone)	The phone number of the initiating trader primary contact.	ITDG	M	
Initiating Trader Data	The party requesting the imbalance trade. This is either the Contract Holder – Initiating Trader, or their agent.	ITDG		
Initiating Trader * (Init Trdr)		ITDG	M	
Initiating Trader Name (Init Trdr Name)		ITDG	M	
Confirming Trader Data	The party confirming the imbalance trade. This is either the Contract Holder – Confirming Trader, or their agent.	CTDG		
Confirming Trader * (Conf Trdr)		CTDG	M	
Confirming Trader Name (Conf Trdr Name)		CTDG	M	
Transportation Service Provider Data	Identifies the party providing the requested service.	BEDG		
Transportation Service Provider * (TSP)		BEDG	M	

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Transportation Service Provider Name (TSP Name)		BEDG	M	
Operational Impact Area – Confirming Trader (OIA-Conf Trdr)	The Operational Impact Area where the confirming trader’s imbalance occurred.	OIADG	BC	Used when the transportation service provider allows trading across operational impact areas.
Operational Impact Area – Initiating Trader (OIA-Init Trdr)	The Operational Impact Area where the initiating trader’s imbalance occurred.	OIADG	M	
Contract – Confirming Trader (K-Conf Trdr)	The confirming trader’s contract under which the imbalance is being traded.	OIADG	BC	Based on the transportation service provider’s method of accounting for imbalances.
Contract – Initiating Trader (K-Init Trdr)	The initiating trader’s contract under which the imbalance is being traded.	OIADG	BC	Based on the transportation service provider’s method of accounting for imbalances.
Imbalance Trade Tracking ID (Imb Trd Trk ID)	Used to identify a line item in the imbalance trading process. This field contains alpha-numeric data.	TSDG	BC	For EBB, used by transportation service providers who require/display tracking IDs.
Imbalance Type – Confirming Trader (Imb Type-Conf Trdr)	Identifies the specific Imbalance Type being traded by the confirming trader.	TSDG	BC	Based on the transportation service provider’s method of accounting for imbalances.
Imbalance Type – Initiating Trader (Imb Type-Init Trdr)	Identifies the specific Imbalance Type being traded by the initiating trader.	TSDG	BC	Based on the transportation service provider’s method of accounting for imbalances.
Trade Fuel Quantity – Confirming Trader (Trd Fuel Qty-Conf Trdr)	The confirming trader’s quantity of fuel in standard units associated with the imbalance trade.	TSDG	BC	Used when the transportation service provider requires a fuel quantity to be associated with the Trade Quantity Requested.
Trade Fuel Quantity – Initiating Trader (Trd Fuel Qty-Init Trdr)	The initiating trader’s quantity of fuel in standard units associated with the imbalance trade.	TSDG	BC	Used when the transportation service provider requires a fuel quantity to be associated with the Trade Quantity Requested.

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Trade Quantity Requested (Trd Qty Req)	The amount expressed (as a positive whole number) is the quantity in standard units being requested for trade.	TSDG	M	
Imbalance Trade Direction Data	Indicates whether the quantity is being traded to the initiating trader from the confirming trader or is being traded from the initiating trader to the confirming trader.	TSDG		
Imbalance Trade Direction Indicator (Imb Trd Dir)		TSDG	C	For EBB, at least one of Imbalance Trade Direction Indicator or Imbalance Trade Direction Description is required.
Imbalance Trade Direction Description (Imb Trd Dir Desc)		TSDG	C	For EBB, at least one of Imbalance Trade Direction Indicator or Imbalance Trade Direction Description is required.

* Indicates Common Code

DATA GROUPS:

BEDG Business Entity Data Group
CTDG Confirming Trader Data Group
ITDG Initiating Trader Data Group
OIADG Operational Impact Area Data Group
TSDG Transaction Specific Data Group

CODE VALUES DICTIONARY

Imbalance Trade Direction Indicator

Code Value Description	Code Value Definition	Code Value
TO Init Trdr	The quantity is being traded to the initiating trader from the confirming trader.	
FROM Init Trdr	The quantity is being traded from the initiating trader to the confirming trader.	

TECHNICAL IMPLEMENTATION OF BUSINESS PROCESS

The Request for Imbalance Trade Quick Response is the response to the Request for Imbalance Trade. It is sent from the transportation service provider to the initiating trader. The quick response informs the initiating trader of any errors or warnings associated with the Request for Imbalance Trade.

The **transaction status code** informs the receiver of the status of the entire Request for Imbalance Trade transaction. It also indicates the presence or absence of warnings and/or errors. **Validation codes** specify any errors or warnings. All validation codes may have an associated **validation message**. The validation message is a free form text field used to further clarify the validation code.

The **imbalance trade tracking id** used in the quick response originates in the Request for Imbalance Trade. It is sent in the quick response when there is an error or warning that pertains to a specific imbalance trade. If there is no error or warning associated with an imbalance trade, then the tracking id for that trade is not sent in the quick response.

SAMPLE PAPER TRANSACTION

The following example illustrates a paper transaction for the Request for Imbalance Trade Quick Response:

Request for Imbalance Trade Quick Response

Transportation Service Provider: General Pipeline (333222555)

Transaction Status Code: Accepted

Initiating Trader

Delta Dist. (444333222)

Contract Holder: Delta Dist.
(444333222)

Imbalance Period: June 2001

Confirming Trader

Omega Corp. (222333444)

Contract Holder: Beta, Inc.
(666555444)

DATA DICTIONARY

x.4.z Request for Imbalance Trade Quick Response

Business Name (Abbreviation)	Definition	Condition
Confirming Trader * (Conf Trdr)	The party confirming the imbalance trade. This is either the Contract Holder – Confirming Trader, or their agent.	
Contract Holder – Confirming Trader (K Holder-Conf Trdr)	The entity with the contractual relationship with the transportation service provider for the Confirming Trader imbalance.	
Contract Holder – Initiating Trader (K Holder-Init Trdr)	The entity with the contractual relationship with the transportation service provider for the initiating trader imbalance.	
Imbalance Period – Confirming Trader (Imb Per-Conf Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the confirming trader.	Mandatory when present and processed in the Request for Imbalance Trade.
Imbalance Period – Initiating Trader (Imb Per-Init Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the initiating trader.	
Initiating Trader * (Init Trdr)	The party requesting the imbalance trade. This is either the Contract Holder – Initiating Trader, or their agent.	
Transaction Status Code (Txn Stat)	Status of the entire transaction set.	
Transportation Service Provider * (TSP)	Identifies the party providing the requested service.	

Business Name (Abbreviation)	Definition	Condition
Validation Code (Val Cd)	Code that identifies errors/warnings.	Mandatory when Transaction Status Code indicates that an error or warning was issued.
Validation Message (Val Message)	A text field which further explains the error or warning depicted by the Validation Code.	
Contract – Confirming Trader (K-Conf Trdr)	The confirming trader’s contract under which the imbalance is being traded.	Sent when present and processed in the Request for Imbalance Trade and when errors/warnings occur at the operational impact area/contract level or at the imbalance trade tracking ID level.
Contract – Initiating Trader (K-Init Trdr)	The initiating trader’s contract under which the imbalance is being traded.	Sent when present and processed in the Request for Imbalance Trade and when errors/warnings occur at the operational impact area/contract level or at the imbalance trade tracking ID level.
Operational Impact Area – Confirming Trader (OIA-Conf Trdr)	The Operational Impact Area where the confirming trader’s imbalance occurred.	Sent when present and processed in the Request for Imbalance Trade and when errors/warnings occur at the operational impact area/contract level or at the imbalance trade tracking ID level.
Operational Impact Area – Initiating Trader (OIA-Init Trdr)	The Operational Impact Area where the initiating trader’s imbalance occurred.	Sent when errors/warnings occur at the operational impact area/contract level or at the imbalance trade tracking ID level.

Business Name (Abbreviation)	Definition	Condition
Imbalance Trade Tracking ID (Imb Trd Trk ID)	Used to identify a line item in the imbalance trading process. This field contains alpha-numeric data.	Sent when errors/warnings occur at the imbalance trade tracking ID level.

* Indicates Common Code

CODE VALUES DICTIONARY

Transaction Status Code

Code Value Description	Code Value Definition	Code Value
Errors or warnings occurred in the transaction. Transaction has been acknowledged. Errors and warnings follow.	[no definition necessary]	
The entire transaction was accepted.	[no definition necessary]	
The entire transaction was rejected due to header level errors.	[no definition necessary]	

Validation Code (Heading Errors)

Code Value	Code Value Description	Code Value Definition
	Invalid Confirming Trader	[no definition necessary]
	Invalid Contract Holder – Confirming Trader	[no definition necessary]
	Invalid Contract Holder – Initiating Trader	[no definition necessary]
	Invalid Imbalance Period – Confirming Trader	[no definition necessary]
	Invalid Imbalance Period – Initiating Trader	[no definition necessary]
	Invalid Initiating Trader	[no definition necessary]
	Invalid Transportation Service Provider	[no definition necessary]
	Missing Confirming Trader	[no definition necessary]
	Missing Imbalance Period – Confirming Trader	[no definition necessary]

Code Value	Code Value Description	Code Value Definition
	Missing Imbalance Period – Initiating Trader	[no definition necessary]
	Missing Initiating Trader	[no definition necessary]
	Missing Initiating Trader Contact Name	[no definition necessary]
	Missing Initiating Trader Contact Phone Number	[no definition necessary]
	Missing Transportation Service Provider	[no definition necessary]
	Missing Contract Holder - Confirming Trader	[no definition necessary]
	Missing Contract Holder - Initiating Trader	[no definition necessary]
	Temporary Error Code – Message follows. Use only until code is approved for use.	[no definition necessary]

Validation Code (Heading Warnings)

Code Value	Code Value Description	Code Value Definition
	Imbalance Period – Confirming Trader not processed	[no definition necessary]
	Temporary Warning Code – Message follows. Use only until code is approved for use.	[no definition necessary]

Validation Code (Detail Errors)

Code Value	Code Value Description	Code Value Definition
	Invalid Contract – Confirming Trader	[no definition necessary]

Code Value	Code Value Description	Code Value Definition
	Invalid Contract – Initiating Trader	[no definition necessary]
	Invalid Operational Impact Area – Confirming Trader	[no definition necessary]
	Invalid Operational Impact Area – Initiating Trader	[no definition necessary]
	Missing Contract – Confirming Trader	[no definition necessary]
	Missing Contract – Initiating Trader	[no definition necessary]
	Missing Operational Impact Area – Initiating Trader	[no definition necessary]
	Missing Operational Impact Area - Confirming Trader	[no definition necessary]
	Temporary Error Code – Message follows. Use only until code is approved for use.	[no definition necessary]

Validation Code (Detail Warnings)

Code Value	Code Value Description	Code Value Definition
	Contract – Confirming Trader not processed	[no definition necessary]
	Contract – Initiating Trader not processed	[no definition necessary]
	Operational Impact Area - Confirming Trader not processed	[no definition necessary]
	Temporary Warning Code – Message follows. Use only until code is approved for use.	[no definition necessary]

Validation Code (Sub-detail Errors)

Code Value	Code Value Description	Code Value Definition
	Invalid Imbalance Type – Confirming Trader	[no definition necessary]
	Invalid Imbalance Type – Initiating Trader	[no definition necessary]
	Invalid Trade Fuel Quantity – Confirming Trader	[no definition necessary]
	Invalid Trade Fuel Quantity – Initiating Trader	[no definition necessary]
	Invalid Trade Quantity Requested	[no definition necessary]
	Missing Imbalance Trade Tracking ID	[no definition necessary]
	Missing Imbalance Type – Confirming Trader	[no definition necessary]
	Missing Imbalance Type – Initiating Trader	[no definition necessary]
	Missing Trade Fuel Quantity – Confirming Trader	[no definition necessary]
	Missing Trade Fuel Quantity – Initiating Trader	[no definition necessary]
	Missing Trade Quantity Requested	[no definition necessary]
	Missing Imbalance Trade Direction Indicator	[no definition necessary]
	Invalid Imbalance Trade Direction Indicator	[no definition necessary]
	Temporary Error Code – Message follows. Use only until code is approved for use.	[no definition necessary]

Validation Code (Sub-detail Warnings)

Code Value	Code Value Description	Code Value Definition
	Imbalance Type – Confirming Trader not processed	[no definition necessary]
	Imbalance Type – Initiating Trader not processed	[no definition necessary]
	Invalid Trade Fuel Quantity – Confirming Trader	[no definition necessary]
	Invalid Trade Fuel Quantity – Initiating Trader	[no definition necessary]
	Missing Trade Fuel Quantity – Confirming Trader	[no definition necessary]
	Missing Trade Fuel Quantity – Initiating Trader	[no definition necessary]
	Trade Fuel Quantity – Confirming Trader not processed	[no definition necessary]
	Trade Fuel Quantity – Initiating Trader not processed	[no definition necessary]
	Temporary Warning Code – Message follows. Use only until code is approved for use.	[no definition necessary]

TECHNICAL IMPLEMENTATION OF BUSINESS PROCESS

The Withdrawal of Request for Imbalance Trade is used when the initiating trader decides to withdraw an imbalance trade. It is sent from the initiating trader to the transportation service provider.

An imbalance trade can be withdrawn only if the confirming trader has not confirmed the imbalance trade.

The **imbalance trade tracking id** used in the Withdrawal of Request for Imbalance Trade originates in the Request for Imbalance Trade. It identifies the specific trade being withdrawn.

SAMPLE PAPER TRANSACTION

The following example illustrates a paper transaction for the
Withdrawal of Request for Imbalance Trade:

Withdrawal of Request for Imbalance Trade

Transportation Service Provider: General Pipeline (333222555)

Initiating Trader Data

Delta Dist. (444333222)
Contact Name: Delta Burque
Contact Phone: 999-555-3322

Confirming Trader Data

Omega Corp. (222333444)

Contract Holder: Delta Dist.
(444333222)

Contract Holder: Beta, Inc.
(666555444)

Imbalance Period: June 2001

Operational Impact Area – Initiating Trader: OA1

Imbalance Trade Tracking ID: T1

DATA DICTIONARY

x.4.z Withdrawal of Request for Imbalance Trade

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Contract Holder – Confirming Trader Data	The entity with the contractual relationship with the transportation service provider for the confirming trader imbalance.	CTDG		
Contract Holder – Confirming Trader * (K Holder-Conf Trdr)		CTDG	M	
Contract Holder – Confirming Trader Name (K Holder-Conf Trdr Name)		CTDG	M	
Contract Holder – Initiating Trader Data	The entity with the contractual relationship with the transportation service provider for the initiating trader imbalance.	ITDG		
Contract Holder – Initiating Trader * (K Holder-Init Trdr)		ITDG	M	
Contract Holder – Initiating Trader Name (K Holder-Init Trdr Name)		ITDG	M	
Imbalance Period – Confirming Trader (Imb Per-Conf Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the confirming trader.	CTDG	C	Mandatory when present and processed in the Request for Imbalance Trade.

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Imbalance Period – Initiating Trader (Imb Per-Init Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the initiating trader.	ITDG	M	
Initiating Trader Contact Name (Init Trdr Contact)	The name of the initiating trader primary contact.	ITDG	M	
Initiating Trader Contact Phone Number (Init Trdr Phone)	The phone number of the initiating trader primary contact.	ITDG	M	
Initiating Trader Data	The party requesting the imbalance trade. This is either the Contract Holder – Initiating Trader, or their agent.	ITDG		
Initiating Trader * (Init Trdr)		ITDG	M	
Initiating Trader Name (Init Trdr Name)		ITDG	M	
Confirming Trader Data	The party confirming the imbalance trade. This is either the Contract Holder – Confirming Trader, or their agent.	CTDG		
Confirming Trader * (Conf Trdr)		CTDG	M	
Confirming Trader Name (Conf Trdr Name)		CTDG	M	
Transportation Service Provider Data	Identifies the party providing the requested service.	BEDG		
Transportation Service Provider * (TSP)		BEDG	M	

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Transportation Service Provider Name (TSP Name)		BEDG	M	
Operational Impact Area – Confirming Trader (OIA-Conf Trdr)	The Operational Impact Area where the confirming trader’s imbalance occurred.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Operational Impact Area – Initiating Trader (OIA-Init Trdr)	The Operational Impact Area where the initiating trader’s imbalance occurred.	OIADG	M	
Contract – Confirming Trader (K-Conf Trdr)	The confirming trader’s contract under which the imbalance is being traded.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Contract – Initiating Trader (K-Init Trdr)	The initiating trader’s contract under which the imbalance is being traded.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Imbalance Trade Tracking ID (Imb Trd Trk ID)	Used to identify a line item in the imbalance trading process. This field contains alpha-numeric data.	TSDG	C	Mandatory when present and processed in the Request for Imbalance Trade.

* Indicates Common Code

DATA GROUPS:

BEDG Business Entity Data Group
CTDG Confirming Trader Data Group
ITDG Initiating Trader Data Group
OIADG Operational Impact Area Data Group
TSDG Transaction Specific Data Group

TECHNICAL IMPLEMENTATION OF BUSINESS PROCESS

The sending of the Request for Confirmation of Imbalance Trade is optional. If the transportation service provider chooses to support it, then the request will be sent from the transportation service provider to the confirming trader.

The Request for Confirmation of Imbalance Trade requests confirmation from the confirming trader of a valid Request for Imbalance Trade that has been received and processed by the transportation service provider.

The **imbalance trade tracking id** used in the Request for Confirmation of Imbalance Trade originates in the Request for Imbalance Trade. It identifies the specific trade for which confirmation is being requested.

The **trade quantity requested** is expressed as a positive whole number. The **imbalance trade direction indicator** is used to designate whether the quantity is being traded:

- TO the initiating trader FROM the confirming trader, or
- FROM the initiating trader TO the confirming trader.

SAMPLE PAPER TRANSACTION

The following example illustrates a paper transaction for the Request for Confirmation of Imbalance Trade:

Request for Confirmation of Imbalance Trade

Transportation Service Provider: General Pipeline (333222555)
Contact Name: Robert E. Lee
Contact Phone: 999-555-1865

Initiating Trader Data

Delta Dist. (444333222)
Contact Name: Delta Burke
Contact Phone: 999-555-3322

Contract Holder: Delta Dist.
(444333222)

Imbalance Period: June 2001

Confirming Trader Data

Omega Corp. (222333444)

Contract Holder: Beta, Inc.
(666555444)

Operational Impact Area – Initiating Trader: OA1

Imbalance Trade Tracking ID: T1
Trade Quantity Requested: 300
Imbalance Trade Direction: FROM Initiating Trader

DATA DICTIONARY

x.4.z Request for Confirmation of Imbalance Trade

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Contract Holder – Confirming Trader Data	The entity with the contractual relationship with the transportation service provider for the confirming trader imbalance.	CTDG		
Contract Holder – Confirming Trader * (K Holder-Conf Trdr)		CTDG	M	
Contract Holder – Confirming Trader Name (K Holder-Conf Trdr Name)		CTDG	M	
Contract Holder – Initiating Trader Data	The entity with the contractual relationship with the transportation service provider for the initiating trader imbalance.	ITDG		
Contract Holder – Initiating Trader * (K Holder-Init Trdr)		ITDG	M	
Contract Holder – Initiating Trader Name (K Holder-Init Trdr Name)		ITDG	M	
Imbalance Period – Confirming Trader (Imb Per-Conf Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the confirming trader.	CTDG	C	Mandatory when present and processed in the Request for Imbalance Trade.

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Imbalance Period – Initiating Trader (Imb Per-Init Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the initiating trader.	ITDG	M	
Initiating Trader Contact Name (Init Trdr Contact)	The name of the initiating trader primary contact .	ITDG	M	
Initiating Trader Contact Phone Number (Init Trdr Phone)	The phone number of the initiating trader primary contact.	ITDG	M	
Initiating Trader Data	The party requesting the imbalance trade. This is either the Contract Holder – Initiating Trader, or their agent.	ITDG		
Initiating Trader * (Init Trdr)		ITDG	M	
Initiating Trader Name (Init Trdr Name)		ITDG	M	
Confirming Trader Data	The party confirming the imbalance trade. This is either the Contract Holder – Confirming Trader, or their agent.	CTDG		
Confirming Trader * (Conf Trdr)		CTDG	M	
Confirming Trader Name (Conf Trdr Name)		CTDG	M	
Transportation Service Provider Data	Identifies the party providing the requested service.	BEDG		
Transportation Service Provider * (TSP)		BEDG	M	

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Transportation Service Provider Name (TSP Name)		BEDG	M	
Transportation Service Provider Contact Name (TSP Contact)	The name of the transportation service provider primary contact.	BEDG	M	
Transportation Service Provider Contact Phone Number (TSP Phone)	The phone number of the transportation service provider primary contact.	BEDG	M	
Operational Impact Area – Confirming Trader (OIA-Conf Trdr)	The Operational Impact Area where the confirming trader’s imbalance occurred.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Operational Impact Area – Initiating Trader (OIA-Init Trdr)	The Operational Impact Area where the initiating trader’s imbalance occurred.	OIADG	M	
Contract – Confirming Trader (K-Conf Trdr)	The confirming trader’s contract under which the imbalance is being traded.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Contract – Initiating Trader (K-Init Trdr)	The initiating trader’s contract under which the imbalance is being traded.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Imbalance Trade Tracking ID (Imb Trd Trk ID)	Used to identify a line item in the imbalance trading process. This field contains alpha-numeric data.	TSDG	SO	For EDI and FF, mandatory when present and processed in the Request for Imbalance Trade.
Imbalance Type – Confirming Trader (Imb Type-Conf Trdr)	Identifies the specific Imbalance Type being traded by the confirming trader.	TSDG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Imbalance Type – Initiating Trader (Imb Type-Init Trdr)	Identifies the specific Imbalance Type being traded by the initiating trader.	TSDG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Trade Fuel Quantity – Confirming Trader (Trd Fuel Qty-Conf Trdr)	The confirming trader’s quantity of fuel in standard units associated with the imbalance trade.	TSDG	C	Mandatory when present and processed in the Request for Imbalance Trade.

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Trade Fuel Quantity – Initiating Trader (Trd Fuel Qty-Init Trdr)	The initiating trader’s quantity of fuel in standard units associated with the imbalance trade.	TSDG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Trade Quantity Requested (Trd Qty Req)	The amount expressed (as a positive whole number) is the quantity in standard units being requested for trade.	TSDG	M	
Imbalance Trade Direction Data	Indicates whether the quantity is being traded to the initiating trader from the confirming trader or is being traded from the initiating trader to the confirming trader.	TSDG		
Imbalance Trade Direction Indicator (Imb Trd Dir)		TSDG	C	For EBB, at least one of Imbalance Trade Direction Indicator or Imbalance Trade Direction Description is required.
Imbalance Trade Direction Description (Imb Trd Dir Desc)		TSDG	C	For EBB, at least one of Imbalance Trade Direction Indicator or Imbalance Trade Direction Description is required.

* Indicates Common Code

DATA GROUPS:

- BEDG Business Entity Data Group
- CTDG Confirming Trader Data Group
- ITDG Initiating Trader Data Group
- OIADG Operational Impact Data Group
- TSDG Transaction Specific Data Group

CODE VALUES DICTIONARY

Imbalance Trade Direction Indicator

Code Value Description	Code Value Definition	Code Value
TO Init Trdr	The quantity is being traded to the initiating trader from the confirming trader.	
FROM Init Trdr	The quantity is being traded from the initiating trader to the confirming trader.	

TECHNICAL IMPLEMENTATION OF BUSINESS PROCESS

The Imbalance Trade Confirmation is used by the confirming trader to indicate whether the imbalance trade has been accepted or rejected. It is sent from the confirming trader to the transportation service provider.

The confirming trader may not change any of the terms of the imbalance trade. The Imbalance Trade Confirmation must be received by the transportation service provider prior to the closing of the transportation service provider's imbalance trading period or the imbalance trade will not take place.

The **imbalance trade tracking id** used in the Imbalance Trade Confirmation originates in the Request for Imbalance Trade. It identifies the specific trade being confirmed.

SAMPLE PAPER TRANSACTION

The following example illustrates a paper transaction for the Imbalance Trade Confirmation:

Imbalance Trade Confirmation

Transportation Service Provider: General Pipeline (333222555)

Initiating Trader Data

Delta Dist. (444333222)

Contract Holder: Delta Dist.
(444333222)

Imbalance Period: June 2001

Confirming Trader Data

Omega Corp. (222333444)
Contact Name: Orville Omega
Contact Phone: 999-555-4325

Contract Holder: Beta, Inc.
(666555444)

Operational Impact Area – Initiating Trader: OA1

Imbalance Trade Tracking ID: T1

Imbalance Trade Response: Accept

DATA DICTIONARY

x.4.z Imbalance Trade Confirmation

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Confirming Trader Contact Name (Conf Trdr Contact)	The name of the confirming trader primary contact.	CTDG	M	
Confirming Trader Contact Phone Number (Conf Trdr Phone)	The phone number of the confirming trader primary contact.	CTDG	M	
Contract Holder – Confirming Trader Data	The entity with the contractual relationship with the transportation service provider for the confirming trader imbalance.	CTDG		
Contract Holder – Confirming Trader * (K Holder-Conf Trdr)		CTDG	M	
Contract Holder – Confirming Trader Name (K Holder-Conf Trdr Name)		CTDG	M	
Contract Holder – Initiating Trader Data	The entity with the contractual relationship with the transportation service provider for the initiating trader imbalance.	ITDG		
Contract Holder – Initiating Trader * (K Holder-Init Trdr)		ITDG	M	
Contract Holder – Initiating Trader Name (K Holder-Init Trdr Name)		ITDG	M	

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Imbalance Period – Confirming Trader (Imb Per-Conf Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the confirming trader.	CTDG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Imbalance Period – Initiating Trader (Imb Per-Init Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the initiating trader.	ITDG	M	
Initiating Trader Data	The party requesting the imbalance trade. This is either the Contract Holder – Initiating Trader, or their agent.	ITDG		
Initiating Trader * (Init Trdr)		ITDG	M	
Initiating Trader Name (Init Trdr Name)		ITDG	M	
Confirming Trader Data	The party confirming the imbalance trade. This is either the Contract Holder – Confirming Trader, or their agent.	CTDG		
Confirming Trader * (Conf Trdr)		CTDG	M	
Confirming Trader Name (Conf Trdr Name)		CTDG	M	
Transportation Service Provider Data	Identifies the party providing the requested service.	BEDG		
Transportation Service Provider * (TSP)		BEDG	M	
Transportation Service Provider Name (TSP Name)		BEDG	M	

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Operational Impact Area – Confirming Trader (OIA-Conf Trdr)	The Operational Impact Area where the confirming trader’s imbalance occurred.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Operational Impact Area – Initiating Trader (OIA-Init Trdr)	The Operational Impact Area where the initiating trader’s imbalance occurred.	OIADG	M	
Contract – Confirming Trader (K-Conf Trdr)	The confirming trader’s contract under which the imbalance is being traded.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Contract – Initiating Trader (K-Init Trdr)	The initiating trader’s contract under which the imbalance is being traded.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Imbalance Trade Response Data	A code which indicates whether the confirming imbalance trader accepts or rejects the trade.	TSDG		
Imbalance Trade Response Code (Imb Trd Rsp)		TSDG	C	For EBB, at least one of Imbalance Trade Response Code or Imbalance Trade Response Description is required.
Imbalance Trade Response Description (Imb Trd Rsp Desc)		TSDG	C	For EBB, at least one of Imbalance Trade Response Code or Imbalance Trade Response Description is required.
Imbalance Trade Tracking ID (Imb Trd Trk ID)	Used to identify a line item in the imbalance trading process. This field contains alpha-numeric data.	TSDG	C	Mandatory when present and processed in the Request for Imbalance Trade.

* Indicates Common Code

DATA GROUPS:

BEDG Business Entity Data Group
CTDG Confirming Trader Data Group
ITDG Initiating Trader Data Group
OIADG Operational Impact Area Data Group
TSDG Transaction Specific Data Group

CODE VALUES DICTIONARY

Imbalance Trade Response Code

Code Value Description	Code Value Definition	Code Value
Accept	[no definition necessary]	
Reject	[no definition necessary]	

TECHNICAL IMPLEMENTATION OF BUSINESS PROCESS

The Imbalance Trade Notification is sent to both the initiating trader and the confirming trader when the confirming trader confirms a Request for Imbalance Trade. Following the receipt of an Imbalance Trade Confirmation, the transportation service provider should send this notification no later than Noon CCT, the next business day. If a requested trade is not confirmed by the close of a transportation service provider's trading period, the Imbalance Trade Notification is not sent.

If the Imbalance Trade Confirmation matches a Request for Imbalance Trade previously received by the transportation service provider, the Imbalance Trade Notification will notify both parties to the trade of the status of the trade. Reductions to the requested trade quantity, if any, are relayed via the **trade reduction reason**.

If the Imbalance Trade Confirmation does not match a Request for Imbalance Trade previously received by the transportation service provider, the Imbalance Trade Notification will notify the confirming trader via the trade reduction reason that no match exists.

SAMPLE PAPER TRANSACTION

The following example illustrates a paper transaction for the Imbalance Trade Notification:

Imbalance Trade Notification

Transportation Service Provider: General Pipeline (333222555)
Contact Name: Robert E. Lee
Contact Phone: 999-555-1865

Statement Date/Time: July 18, 2001 / 11:45 a.m.

Initiating Trader Data

Delta Dist. (444333222)
Contact Name: Delta Burque
Contact Phone: 999-555-3322

Contract Holder: Delta Dist.
(444333222)

Confirming Trader Data

Omega Corp. (222333444)
Contact Name: Orville Omega
Contact Phone: 999-555-4325

Contract Holder: Beta, Inc.
(666555444)

Imbalance Period: June 2001

Operational Impact Area – Initiating Trader: OA1

Imbalance Trade Tracking ID: T1

Trade Quantity Requested: 300

Trade Quantity: 300

Imbalance Trade Direction: FROM Initiating Trader

DATA DICTIONARY

x.4.z Imbalance Trade Notification

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Confirming Trader Contact Name (Conf Trdr Contact)	The name of the confirming trader primary contact.	CTDG	M	
Confirming Trader Contact Phone Number (Conf Trdr Phone)	The phone number of the confirming trader primary contact.	CTDG	M	
Contract Holder – Confirming Trader Data	The entity with the contractual relationship with the transportation service provider for the confirming trader imbalance.	CTDG		
Contract Holder – Confirming Trader * (K Holder-Conf Trdr)		CTDG	M	
Contract Holder – Confirming Trader Name (K Holder-Conf Trdr Name)		CTDG	M	
Contract Holder – Initiating Trader Data	The entity with the contractual relationship with the transportation service provider for the initiating trader imbalance.	ITDG		
Contract Holder – Initiating Trader * (K Holder-Init Trdr)		ITDG	M	
Contract Holder – Initiating Trader Name (K Holder-Init Trdr Name)		ITDG	M	

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Imbalance Period – Confirming Trader (Imb Per-Conf Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the confirming trader.	CTDG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Imbalance Period – Initiating Trader (Imb Per-Init Trdr)	The period during which the imbalance occurred or the cumulative imbalance is reported for the initiating trader.	ITDG	M	
Initiating Trader Contact Name (Init Trdr Contact)	The name of the initiating trader primary contact.	ITDG	M	
Initiating Trader Contact Phone Number (Init Trdr Phone)	The phone number of the initiating trader primary contact.	ITDG	M	
Initiating Trader Data	The party requesting the imbalance trade. This is either the Contract Holder – Initiating Trader, or their agent.	ITDG		
Initiating Trader * (Init Trdr)		ITDG	M	
Initiating Trader Name (Init Trdr Name)		ITDG	M	
Confirming Trader Data	The party confirming the imbalance trade. This is either the Contract Holder – Confirming Trader, or their agent.	CTDG		
Confirming Trader * (Conf Trdr)		CTDG	M	
Confirming Trader Name (Conf Trdr Name)		CTDG	M	
Statement Date/Time (Stmt D/T)	Date and time the statement was produced.	BEDG	M	

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Transportation Service Provider Data	Identifies the party providing the requested service.	BEDG		
Transportation Service Provider * (TSP)		BEDG	M	
Transportation Service Provider Name (TSP Name)		BEDG	M	
Transportation Service Provider Contact Name (TSP Contact)	The name of the transportation service provider primary contact.	BEDG	M	
Transportation Service Provider Contact Phone Number (TSP Phone)	The phone number of the transportation service provider primary contact.	BEDG	M	
Operational Impact Area – Confirming Trader (OIA-Conf Trdr)	The Operational Impact Area where the confirming trader’s imbalance occurred.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Operational Impact Area – Initiating Trader (OIA-Init Trdr)	The Operational Impact Area where the initiating trader’s imbalance occurred.	OIADG	M	
Contract – Confirming Trader (K-Conf Trdr)	The confirming trader’s contract under which the imbalance is being traded.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Contract – Initiating Trader (K-Init Trdr)	The initiating trader’s contract under which the imbalance is being traded.	OIADG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Imbalance Trade Tracking ID (Imb Trd Trk ID)	Used to identify a line item in the imbalance trading process. This field contains alpha-numeric data.	TSDG	SO	For EDI and FF, mandatory when present and processed in the Request for Imbalance Trade.
Imbalance Type – Confirming Trader (Imb Type-Conf Trdr)	Identifies the specific Imbalance Type being traded by the confirming trader.	TSDG	C	Mandatory when present and processed in the Request for Imbalance Trade.

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Imbalance Type – Initiating Trader (Imb Type-Init Trdr)	Identifies the specific Imbalance Type being traded by the initiating trader.	TSDG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Trade Fuel Quantity – Confirming Trader (Trd Fuel Qty-Conf Trdr)	The confirming trader’s quantity of fuel in standard units associated with the imbalance trade.	TSDG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Trade Fuel Quantity – Initiating Trader (Trd Fuel Qty-Init Trdr)	The initiating trader’s quantity of fuel in standard units associated with the imbalance trade.	TSDG	C	Mandatory when present and processed in the Request for Imbalance Trade.
Trade Quantity (Trd Qty)	The amount expressed (as a positive whole number) is the quantity in standard units being traded.	TSDG	M	
Trade Quantity Requested (Trd Qty Req)	The amount expressed (as a positive whole number) is the quantity in standard units being requested for trade.	TSDG	M	
Imbalance Trade Direction Data	Indicates whether the quantity is being traded to the initiating trader from the confirming trader or is being traded from the initiating trader to the confirming trader.	TSDG		
Imbalance Trade Direction Indicator (Imb Trd Dir)		TSDG	C	For EBB, at least one of Imbalance Trade Direction Indicator or Imbalance Trade Direction Description is required.
Imbalance Trade Direction Description (Imb Trd Dir Desc)		TSDG	C	For EBB, at least one of Imbalance Trade Direction Indicator or Imbalance Trade Direction Description is required.
Trade Reduction Reason Data	A code identifying the reason that the Trade Quantity Requested has been rejected or reduced.	TSDG		

Business Name (Abbreviation)	Definition	Data Group	EBB Usage	Condition
Trade Reduction Reason (Trd RR)		TSDG	C	Mandatory when the Trade Quantity is not equal to the Trade Quantity Requested. For EBB, when this condition is met, at least one of Trade Reduction Reason or Trade Reduction Reason Description is required.
Trade Reduction Reason Description (Trd RR Desc)		TSDG	C	Mandatory when the Trade Quantity is not equal to the Trade Quantity Requested. For EBB, when this condition is met, at least one of Trade Reduction Reason or Trade Reduction Reason Description is required.

* Indicates Common Code

DATA GROUPS:

- BEDG Business Entity Data Group
- CTDG Confirming Trader Data Group
- ITDG Initiating Trader Data Group
- OIADG Operational Impact Area Data Group
- TSDG Transaction Specific Data Group

CODE VALUES DICTIONARY

Imbalance Trade Direction Indicator

Code Value Description	Code Value Definition	Code Value
TO Init Trdr	The quantity is being traded to the initiating trader from the confirming trader.	
FROM Init Trdr	The quantity is being traded from the initiating trader to the confirming trader.	

Trade Reduction Reason

Code Value Description	Code Value Definition	Code Value
Trade Quantity Requested reduced to quantity available for confirming trader.	[no definition necessary]	
Trade Quantity Requested reduced to quantity available for initiating trader.	[no definition necessary]	
Trade rejected because Trade Quantity Requested exceeds quantity available for trade for confirming trader.	[no definition necessary]	
Trade rejected because Trade Quantity Requested exceeds quantity available for trade for initiating trader.	[no definition necessary]	

Code Value Description	Code Value Definition	Code Value
Trade rejected because confirming trader rejected the trade.	[no definition necessary]	
Trade rejected because confirming trader did not submit an Imbalance Trade Confirmation.	[no definition necessary]	
Missing Confirming Trader Contact Name	[no definition necessary]	
Missing Confirming Trader Contact Phone Number	[no definition necessary]	
Invalid Confirming Trader Contact Phone Number	[no definition necessary]	
Missing Contract Holder - Confirming Trader	[no definition necessary]	
Invalid Contract Holder - Confirming Trader	[no definition necessary]	
Missing Contract Holder - Initiating Trader	[no definition necessary]	
Invalid Contract Holder - Initiating Trader	[no definition necessary]	
Missing Imbalance Period - Confirming Trader	[no definition necessary]	
Invalid Imbalance Period - Confirming Trader	[no definition necessary]	
Missing Imbalance Period - Initiating Trader	[no definition necessary]	
Invalid Imbalance Period - Initiating Trader	[no definition necessary]	
Missing Initiating Trader	[no definition necessary]	
Invalid Initiating Trader	[no definition necessary]	
Missing Confirming Trader	[no definition necessary]	
Invalid Confirming Trader	[no definition necessary]	

Code Value Description	Code Value Definition	Code Value
Missing Transportation Service Provider	[no definition necessary]	
Invalid Transportation Service Provider	[no definition necessary]	
Missing Operational Impact Area - Confirming Trader	[no definition necessary]	
Invalid Operational Impact Area - Confirming Trader	[no definition necessary]	
Missing Operational Impact Area – Initiating Trader	[no definition necessary]	
Invalid Operational Impact Area – Initiating Trader	[no definition necessary]	
Missing Contract - Confirming Trader	[no definition necessary]	
Invalid Contract - Confirming Trader	[no definition necessary]	
Missing Contract - Initiating Trader	[no definition necessary]	
Invalid Contract - Initiating Trader	[no definition necessary]	
Missing Imbalance Trade Response Code	[no definition necessary]	
Invalid Imbalance Trade Response Code	[no definition necessary]	
Missing Imbalance Trade Tracking ID	[no definition necessary]	
Invalid Imbalance Trade Tracking ID	[no definition necessary]	