

GAS INDUSTRY STANDARDS BOARD

BOARD OF DIRECTORS MEETING

SEPTEMBER 30, 1998



**GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
SEPTEMBER 30, 1998**

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GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
SEPTEMBER 30, 1998

1. WELCOME AND OPENING REMARKS

- The meeting is held at:
Where: Menger Hotel
204 Alamo Plaza, San Antonio, Texas 78205
Phone: 210-223-4361

 - Time of the meeting is:
September 30, 1998: 12:30 p.m. to 4:30 p.m. central

 - For further assistance please reach :
Veronica Thomason at (713) 757 - 4175

 - The officers presiding over the Board of Directors meeting are:
Terry Ciliske - Chairman
Jim Templeton - First Vice Chair
Stan Horton - Second Vice Chair & Treasurer
Rae McQuade - Executive Director & Secretary

 - Presenters for the Board of Directors Meeting are:
Mike Bray, Chairman, GISB Executive Committee
Jerry Hahn, Vice Chairman, GISB Executive Committee
Carl Caldwell, Co-Chairman, EBB Internet Implementation Team
Susan Admire, Admire & Associates, GISB Accountant
S. Dennis Holbrook, GISB General Counsel
-



1. ANTITRUST GUIDELINES

- GISB General Counsel Dennis Holbrook will review the antitrust guidelines. The points are :
 - Antitrust guidelines direct meeting participants to avoid discussion of topics or behavior that would result in anti-competitive behavior including: restraint of trade and conspiracies to monopolize, unfair or deceptive business acts or practices, price discriminations, division of markets, allocation of production, imposition of boycotts, and exclusive dealing arrangements.





**GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
SEPTEMBER 30, 1998**

1. ADOPTION OF AGENDA

- The proposed agenda, attached, has been distributed and is available on GISB's home page.
- The Board of Directors is requested to review the agenda, suggest changes if needed, and vote to adopt the agenda. The vote is a simple majority vote.





Gas Industry Standards Board

1100 Louisiana, Suite 4925, Houston, Texas, 77002
Phone - (713) 757-4175, Fax - (713) 757-2491, email gisb@aol.com
Home Page -- www.gisb.org

VIA FACSIMILE

August 28, 1998

TO: GISB Board of Directors
FROM: Rae McQuade, Executive Director
RE: Upcoming September 30 Board of Directors Meeting

MEETING ANNOUNCEMENT:

Attached please find the draft agenda for the upcoming Board of Directors meeting, which is scheduled for September 30. Materials will be sent to the Board members shortly, and posted on the home page for access by interested parties. Ballots will accompany the supporting materials for Board members who are unable to attend but wish to vote on issues notationally.

The meeting arrangements for the Board meeting are:

Where: Menger Hotel
204 Alamo Plaza, San Antonio, Texas 78205
Phone: 210-223-4361
When: September 30, 1998
12:30 p.m. to 4:30 p.m.

The hotel is located 15 minutes from the San Antonio airport and is held in conjunction with the GISB Annual Meeting for the convenience of the Board members traveling to San Antonio. Lunch will be served during the meeting. I look forward to seeing you in San Antonio on September 30. Please feel free to call if you have any questions or comments, or additions to the agenda.

cc: Trade Associations for distribution to their members
Laurie Paulson
Posting on GISB Home Page for access to all GISB members and other interested parties
Mike Bray
Jerry Hahn
Dennis Holbrook



GISB BOARD OF DIRECTORS MEETING

Menger Hotel, San Antonio, Texas
September 30, 1998 -- 12:30 p.m. to 4:30 p.m.

PROPOSED AGENDA

- | | | | |
|------------|----|--|--------------------------|
| 12:30 p.m. | 1 | Welcome & Administrative Items | T. Ciliske |
| | | - Antitrust Guidelines | D. Holbrook |
| | | - Adoption of Agenda | T. Ciliske |
| | 2 | Adoption of Minutes from June 18, 1998 | T. Ciliske
R. McQuade |
| | 3 | Year 2000 Survey & Technical Conference | M. Bray
R. McQuade |
| | 4 | Report on Progress on the 1998 Annual Plan | M. Bray
J. Hahn |
| | 5 | Update on 1999 Annual Plan Efforts | J. Templeton
M. Bray |
| | 6 | EBB-Internet Implementation Task Force Report | M. Bray
C. Caldwell |
| | 7 | Title Transfer Tracking Project Report | M. Bray
J.. Hahn |
| | 8 | Report on Common Codes Issues - PI/Dwights and Dun & Bradstreet | M. Bray
J. Hahn |
| | 9 | Report on Notice of Proposed Rule-making Docket No. RM98-10-000 | M. Bray
D. Holbrook |
| | 10 | 1998 Financial Report - Accrual Based and Cash Based & 1997 Financial Audit Results from Deloitte & Touche | R. McQuade
S. Admire |
| | 11 | Update on 1999 Budget Efforts | S. Horton
R. McQuade |
| | 12 | Membership Report | R. McQuade |
| | | - 1998 Membership | |
| | | - Projects to Attract New Members | |
| | | Other Business | |
| 4:30 p.m. | | Adjourn | |



**GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
SEPTEMBER 30, 1998**

2. ADOPTION OF MINUTES

- The draft minutes of June 18, 1998 were posted on the home page for review and are included in these materials for vote to adopt.
- The Board of Directors is requested to review the draft minutes, suggest changes if needed, and vote to adopt as minutes of the meeting. The vote is a simple majority vote.





**GAS INDUSTRY STANDARDS BOARD
BOARD OF DIRECTORS MEETING**

**Sheraton Crown Hotel, Houston, Texas
June 18, 1998**

DRAFT MINUTES

1. Opening Remarks

Mr. Ciliske opened the Board of Directors meeting. Mr. Holbrook provided the antitrust guidelines. The agenda was adopted as presented at the meeting. Mike Wallace was welcomed as a new Board member. Bill Boswell was recognized for military awards, most notably the Legion of Merit award, which he received as he retired from the Air Force Reserves. Commissioner Majkowski was welcomed as an officer of the GISB Advisory Committee. Officers of the Advisory Committee, Comm. Ellsworth and Comm. Majkowski, are invited to all GISB Board meetings. Mr. Bray was asked to provide the highlights of the most recent Executive Committee regarding the adoption of a resolution for balanced voting at Executive Committee subcommittees and task forces. He read the following resolution:

We as an Executive Committee adopt a principle of balanced voting in Executive Committee Subcommittees or Task Forces with the number of votes per segment to be determined by the Executive Committee for both current subcommittees and task forces and newly created subcommittees and task forces from one vote per segment to unlimited votes per segment. The votes, or fractions of votes would be totaled across segments to determine the outcome of the motion under consideration. No notational or proxy votes would be permitted except for subcommittees or task forces with named members. Without Executive Committee action, newly formed subcommittees and task forces would have unlimited votes per segment. No member of a subcommittee or task force in attendance would have more than one vote. The Executive Committee through a simple majority vote would have the discretion to modify the voting procedures for its subcommittees and task forces.

The previously distributed (June 11) revised agenda was adopted with no changes. The minutes of March 3 were adopted with minor changes.

2. Sunset Provision

Mr. Ciliske opened the topic by outlining the course of action to be taken. Discussion on various alternatives and the sunset provision will be held prior to motions being entertained. Mr. Boswell noted his support of the organization, and as an original supporter of the sunset provision as the organization was being created, he noted that either extension or enacting sunset and supporting continuance would be outcomes that he would support. Mr. Horton noted that he too agreed that the organization should continue, and supported an extension of the sunset date for either two or three years. He added that extension of the date provides a safeguard to the organization and may have a greater degree of success in the ratification process. Mr. Knopp also agreed that the organization should continue, and supported an extension of the date for two years. He also agreed that ratification would be more easily achieved with an extension. He noted that he supported an extension because reasons for declining membership should be investigated. Mr. Stevens added that he supported continuance through enacting the provision

or extending the date but offered that two years is too short a period. As a suggestion, Mr. Lander offered that the extension should be institutionalized for the sunset provision to be enacted every five years.

Mr. Ciliske asked that Mr. Holbrook review the possible actions that could be taken to address the sunset provision¹ of the certificate. The provision can be enacted and pass which requires 19 positive votes from the Board with at least two positive votes from each segment, and subsequent membership ratification at a 90% level². The provision can be enacted and fail if any one of the following occur: (1) there were less than 19 positive votes from the Board, or (2) one or more of the segments represented on the Board failed to garner two positive votes, or (3) subsequent membership ratification was at less than a 90% affirmative level. If the provision was enacted and failed, the GISB office would immediately take steps to dissolve the organization, such as contract terminations or assignments, sublease of the office space, forwarding standards documentation to the appropriate associations or government agencies for maintenance. As an alternative, the certificate language can be changed to extend the date for enacting the sunset provision. The voting requirements for passing a proposed change to the certificate or having the proposed change fail are the same as outlined above. Regardless of the existence of a sunset provision, the organization can be dissolved by the Board of Directors at any time through a simple majority vote, as specified in Delaware state law.

After Mr. Holbrook's review, Mr. Horton noted that he could support a three year extension of the sunset date, and that it be institutionalized to be enacted every three years. Mr. Sonderman motioned that the Board take a straw vote (not determinative of any action) regarding the elimination of the sunset provision. Mr. Wallace supported Mr. Sonderman's view that the sunset provision was unnecessary. In response to Mr. Wallace's comments, Mr. Knopp noted that the existence of a sunset provision makes the organization more effective and less bureaucratic; and the Board members act as better stewards for the industry. Mr. Boswell noted that he supported an extension of more than three years as the shorter time periods provide a big distraction to the organization.

In support of maintaining the sunset provision, Mr. Baish noted that it serves a separate function of focusing the organization on making hard decisions: such as the resolution passed at the Executive Committee on June 11 regarding balanced voting. He surmised that the upcoming sunset provision vote factored into the Executive Committee decision to pass the resolution. He also noted that once GISB's work is accomplished, it will be easier to shut down the organization if the sunset provision exists. Mr. Holbrook reminded the Board that the State of Delaware law can be enacted at any time regarding a simple majority vote of the Board to dissolve the organization. Mr. Mucci added that a sunset provision provides an additional safeguard to the effectiveness of the organization.

Mr. Ciliske called the straw vote on enacting the sunset provision. The Board members in a simple majority of 13 to 12 supported eliminating the sunset provision. The motion (straw vote) failed the voting requirements specified above: (1) there were less than 19 positive votes from the Board, or (2) one or more of the segments represented on the Board failed to garner two positive votes.

Mr. Ciliske then called for a straw vote to determine which time period had the most support for an extension: two, three, four, or five years. An extension of two years received no votes. An extension of three years received twelve votes. An extension of four years received six votes. An extension of five years received three votes. While Mr. Wallace noted that the four Board notational votes which supported the continuance of GISB through the elimination of the sunset provision could be assumed to support a five year period, they could not be counted in the result.

A non-determining straw vote was then taken on the extension of the sunset provision to December 31, 2001, with a simple majority of 19 members in favor as the result, with one member opposed and one member absent at the time of the vote. The motion was then made to extend the

¹ The sunset provision in the certificate of incorporation requires that the GISB organization affirmatively act to continue the organization by December 31, 1998. If the organization is unable to affirmatively act by that date, the organization will be dissolved.,

² The 90% level for affirmative votes is based on total membership. All members choosing not to return a ballot vote in favor of the Board action.

sunset provision to December 31, 2001 as a determining vote, with the result of 21 members unanimous in favor. A ballot will be sent out to the members to ratify the Board decision.

3. EBB Internet Transition Plan

Mr. Ciliske outlined the topic by asking Mr. Novak to first review model 2 and then Mr. Buccigross to review model 1.

Mr. Novak presented model 2 -- the Camel (Consortium Advancing Mutual Electronic Links) model. In response to questions he noted that the primary difference between model 1 and model 2 is the choice made available for use of EDI or use of the Internet web pages for transacting business electronically. In further response he noted that this is voluntary, and any mandatory requirements of the industry is strictly within FERC's purview, and is not addressed in model 2. Mr. Buccigross presented model 1. In response to the question of cost for smaller companies to implement EDI, Mr. Buccigross responded that the evidence shows that the cost should not be a issue -- it is no more expensive than developing on-line transactions.

Mr. Stevens asked through a point of order, if the Board is expected to make a decision on which model to follow, both models will work and the Executive Committee can develop the standards for these models. Mr. Bray responded that GISB is at a standstill now on how to proceed to develop needed standards until the Board decides which roadmap (model 1 or model 2) should be used. Mr. Lander further described model 1, and specifically the cost recovery issues. Neither model supports shut down of pipeline EBBs or sole usage of EDI for business transactions.

It was noted that two models were presented honoring the request from the Board of Directors. Both were presented to the Board as a result of its request, even though model 1 received 19 votes in support from the Executive Committee, and in a separate vote model 2 received 2 votes in support. The Executive Committee voted with 21 in favor to present both models to the Board. The intent of the Board in its involvement was to assist the Executive Committee in achieving a consensus which was not possible in March.

Mr. Baish made a motion to thank the Executive Committee for its response to the Board's request, and for the Board to allow the Executive Committee to continue its work of developing standards. He indicated that the Executive Committee should decide which roadmap to follow. Mr. Boswell seconded Mr. Baish's motion. The motion carried unanimously.

4. FERC/DOE Efforts

Ms. McQuade, Mr. Hahn and Mr. Bray reviewed the efforts to date in working with government representatives from the President's Commission on Critical Infrastructure Protection (PCCIP) and Year 2000 issues. Regarding the PCCIP efforts, Sandia Labs and Lawrence Livermore Labs representatives have visited GISB to review the Internet standards developed to date and to offer their assistance in identifying low cost commercially available products for Internet security.

5. Annual Plan

Ms. McQuade and Mr. Bray reviewed progress towards the annual plan. The organization is on schedule with all items in the plan excepting the imbalance trading item, which could be delayed to the fourth quarter as a result of the standards that may be needed for imbalance netting. Items were reviewed that were identified in Order No. 587-G for action by the industry or GISB. Those items were not included in the 1998 annual plan during the Board meeting. It was noted that the Executive Committee accepted the request to develop a long term base contract for purchase and sales of natural gas. It was further noted that no action would be taken on this request until the exiting work on the contracts are completed and an outline of the work is brought before the Executive Committee. The motion was made to adopt three changes to the Annual Plan: (1) extend the completion date for imbalance trading to the end of 1998, (2) under standards maintenance, add development work on a common codes reference for business parties, and (3) add development work on critical notices. The motion carried unanimously.

Ms. McQuade reviewed the survey sent out to pipelines regarding identification of business functions carried out electronically that are not currently present in the GISB EDI standards. 485 requests were received from 13 companies. Ernst and Young has agreed to work with the GISB office to develop a preliminary analysis of the survey results, which should be completed in July and brought before the Executive Committee.

6. Financial Report

Ms. Admire gave the financial report through April accounting period. The report was presented in accrual format. Several Board members requested that both cash and accrual format be provided for the next meeting, and several Board members requested that a cash report be sent to them prior to the meeting. The Board book for September will carry both cash and accrual based reports. There were no specific comments on the report given.

7. Membership Report

Ms. McQuade gave the membership report. GISB has undertaken a calling program to increase membership, and although we have not yet received any new members from the effort, several companies noted that they would determine whether to join once the Board resolved the sunset issue. Ms. McQuade responded to an earlier question on the decline in membership, noting that GISB, as with other standards organizations, suffers from a "free rider" problem. Non-members receive many of the same benefits as the members, as much of the information benefiting members is made publicly available through the GISB home page. She was directed to take actions to further delineate membership from non-membership benefits, such as by moving some of the information to the membership only sections of the home page.

8. Adjournment

the meeting adjourned at 1:00 p.m.

<u>Segment</u>	<u>Member</u>	<u>Attendance</u>	<u>Present</u>
<u>End Users:</u>	L.G. Brackeen		✓
	John Stevens		✓
	Jim Templeton		✓
	Mike Wallace		✓
	Norm Davis		✗
<u>LDCs:</u>	Walt DeForest		✗
	Bill Boswell		✓
	Mary Jane McCartney		✓
	Andy Sonderman		✓
	Lee Stewart		✓
<u>Pipelines:</u>	Rick Baish		✓
	Ron Mucci		✓
	Stan Horton		✓
	Bob Reid		✓
	Terry McGill		✓
<u>Producers:</u>	Allan Knopp		✓
	Jeff Hutton		✗
	Nancy Laird		✗
	Richard Lindley		✓
	Tammy Norman		✓
<u>Services:</u>	Steve Bergstrom		✓
	Terry Ciliske		✓
	Tim Janisse		✓
	Greg Lander		✓
	Julie Gomez		✓
<u>Presenters:</u>	Mike Bray	Chairman, Executive Committee	
	Jerry Hahn	Vice Chairman, Executive Committee	
	Mike Novak	National Fuel Gas Distribution	
	Jim Buccigross	National Registry of Capacity Rights	
<u>Administrative</u>	Rae McQuade	Executive Director	
	Dennis Holbrook	General Counsel	
	Veronica Thomason	GISB Staff	
	Jane Copeland	Ak/Ret Reporting	
	Laurie Paulson	Hoffman Paulson Associates	
	Cheryl Hoffman	Hoffman Paulson Associates	
	Dalia Alejos	GISB Staff	
Susan Admire	Admire & Assoc., Accounting Services		
<u>Observers</u>	Sandra Barnett	Mobile Bay	
	Carl Caldwell	Deloitte & Touche Consulting	
	Shelley Corman	Enron	
	Dale Davis	Williams Gas Pipelines	
	Joe Fisher	Natural Gas Intelligence	
	Sam Fletcher	Natural Gas Week	

Jean Ford	Andersen Consulting
Larry Foster	Inside FERC
Les Fyock	American Gas Association
Mark Gracey	Tennessee Gas Pipeline
Cheryl Hagemann	Koch Gateway
Bob Hall	Enron Capital & Trade
Tommie Hartmann	Exxon
Theresa Hess	Enron -- Northern Natural
Mahnaz Madjidi	Tenneco
Jim Magill	Gas Daily
Comm. Vincent Majkowski	Colorado PUC
Michael Malone	TransCapacity
Marcy McCain	Algonquin Gas Transmission
Sylvia Munson	Altra Streamline
Renatu Pereira	Koch Gateway
David Pfeifer	Andersen Consulting
Mark Scheel	Dynegy
Donna Scott	Enron Administrative Corp.
Larry Smith	Tennessee Gas Pipeline
Leigh Spangler	Latitude Technologies
Julie Unruh	Koch Gateway
Kim Van Pelt	Texas Eastern
Norm Walker	El Paso Natural Gas
Bob Wallenhorst	Exxon
Magan Yarbrough	Duke Energy



3. YEAR 2000 SURVEY AND TECHNICAL CONFERENCE

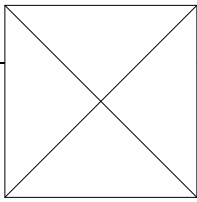
- Rae McQuade and Mike Bray will attend the FERC sponsored Year 2000 Technical Conference on September 18. They will provide a report from the conference.
- GISB, the Natural Gas Council, and American Petroleum Institute distributed surveys regarding Year 2000 Readiness, attached.





4. ANNUAL PLAN

- Mr. Bray and Mr. Hahn will review the 1998 Annual Plan progress, attached.
 - Mr. Hahn will review the efforts on the Title Transfer Tracking project. The proposed standards from the task force are attached for your review.
 - Mr. Caldwell will review the efforts on the EBB-Internet Implementation project. The timelines are attached.
 - Mr. Templeton will review the activities to date regarding the development of the 1999 Annual Plan. A draft plan will be distributed at the meeting to the Board members.
-



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: GISB 1998 Annual Plan

Request No.: R97019, R97043, R97049

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:

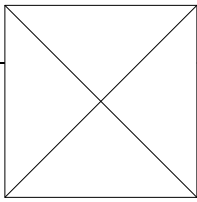
- Initiation
- Modification
- Interpretation
- Withdrawal

- 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

3. RECOMMENDATION

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

Standard No. and Language: Add additional GISB Business Practice Principals, Definitions and Standards as follows:
D1 Title is the term used to identify the ownership of gas.
D2 Title Transfer is the change of ownership of gas between parties at a location.
D3 Title Transfer Tracking is the process of accounting for the progression of ownership changes at a location from party to party not associated with transportation services.
D4 A Title Transfer Tracking Service Provider is a party conducting the title transfer tracking activity.
D5 A Third Party Account Administrator is a Title Transfer Tracking Service Provider other than the Transportation Service Provider.



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: GISB 1998 Annual Plan

Request No.: R97019, R97043, R97049

D6

An Account Holder is the party using the services of a Title Transfer Tracking Service Provider (TTTSP) under a contract or other arrangement with that TTTSP.

D7

A title transfer Nomination is a nomination line item requesting the service of Title Transfer Tracking and is sent by an Account Holder to a Title Transfer Tracking Service Provider.

S1

The Transportation Service Providers (TSP) should be responsible for ensuring that Title Transfer Tracking services are provided at all points identified by the TSP as pooling points.

S2

The Title Transfer Tracking services should be supported by means of the nominations, quick responses and scheduled quantities processes. At the Transportation Service Provider's election, the confirmation process may be utilized.

S3

Prior to a Third Party Account Administrator (3PAD) providing Title Transfer Tracking services, the 3PAD should identify itself in writing to the Transportation Service Provider.

S4

All coordination between Title Transfer Tracking Service Providers (TTTSPs) and Transportation service Provider (TSPs) should be performed under a contract between these parties. Where the TSP is also a TTTSP on its system, tariff provisions (terms, conditions and rates) or general terms and conditions of the TSP, may take the place of a contract.

S5

Upon reasonable request of the Third Party Account Administrator (3PAD), Transportation Service Providers should provide the 3PAD with one of the following for conducting title transfer tracking (TTT) activity:

- 1) location code(s);
- 2) contract identifier(s) used in the exchange of transactional data; or
- 3) both one and two above.

In any event TTT activity is always performed at a location.

S6

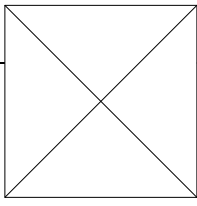
All Title Transfer Tracking (TTT) services should be performed under a contract between the Account Holder and their Title Transfer Tracking Service Provider (TTTSP). All TTTSPs should offer their TTT services on a not unduly discriminatory basis.

S7

A Transportation Service Provider (TSP) should conduct business with any Title Transfer Tracking Service Provider (TTTSP) that operates in accordance with those GISB standards applicable to Title Transfer Tracking (TTT) and that performs according to the applicable contract between the TTTSP and the TSP. A TTTSP may perform the TTT service for its affiliates so long as it performs TTT service for non-affiliated parties as well.

S8

Title Transfer Tracking should use existing applicable datasets when interacting with all parties.



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: GISB 1998 Annual Plan

Request No.: R97019, R97043, R97049

S9

A Transportation Service Provider (TSP) may operate in a manner that allocated quantities will equal scheduled quantities for gas quantities into and out of a Title Transfer Tracking Service Provider (TTTSP) from or to a pool(s).. If a TSP operates in such a manner, then the TSP should not be required to accept Pre-determined Allocations (PDAs) for those transactions nor separately provide, or transmit, Allocations to parties to such transactions.

Where the allocated quantities with respect to a TTTSP are different than the scheduled quantities provided by the TSP to the TTTSP, for the same period, then the TSP should provide to the TTTSP Allocations for the quantities into the TTTSP. In addition, the TSP should either accept:

- (a) Allocations from the TTTSP, or,
- (b) PDAs from the TTTSP.

Such information should be delineated at the level of the nomination line items provided by the TTTSP to the TSP for the purpose of allocating quantities out of the TTTSP.

S10

Title transfers can occur regardless of the service class of any related transportation.

S11

Absent ranking information provided by the Third Party Account Administrator and absent a contrary mutual agreement to proceed otherwise, where transactions related to Third Party Account Administrator (3PAD) activities are not balanced at the end of any confirmation cycle, transactions entering the 3PAD (receipt) or leaving the 3PAD (delivery), whichever is higher, should be reduced prorata to match the total of the transactions on the other side of the 3PAD.

S12

Where a Transportation Service Provider (TSP) has decided to offer Title Transfer Tracking (TTT) service by means of an arrangement (including an agreement) with a party which will act as the TSP's designated party, and regardless of communication methodology between Account Holders and such designated party, the TSP should, upon request, identify the Title Transfer Tracking Service Provider(s) (TTTSPs) at a location which have established active TTT arrangements with the TSP. The relevant information to be provided should include the name of each TTTSP, the ID code for each TTTSP used by the TSP, the contract number for each TTTSP assigned by the TSP (where applicable), the location code(s) for each TTTSP assigned by the TSP (where applicable), and the location code(s) nominatable to the TSP for transportation service to or from the location associated with each TTTSP.

S13

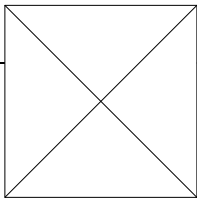
A party to a transaction should nominate, or otherwise communicate, the identity of their transaction counterparty along with the applicable, associated nominations-related information to the appropriate Confirming Party or Title Transfer Tracking Service Provider (TTTSP), in a mutually agreeable manner. Failure to so act can result in the failure of the subject transaction to be scheduled. A Confirming Party may communicate with its party and/or the counterparty as to the existence and nature of a failure to communicate a transaction on the part of the applicable party. A TTTSP may communicate with its Account Holder(s) (AHs) and/or its AH(s)' counterparty(ies) as to the existence and nature of a failure to communicate a transaction on the part of the applicable party.

S14

All references to the sending or receiving of transmittals by a party are intended to include the sending of receiving or such transmittals by such party's authorized agent.

S15

At locations where an OBA is in effect and where Title Transfer Tracking (TTT) services do not exist at this location (logical or physical), Transportation Service Providers (TSPs) should, upon request establish pooling points at, or with respect to, these locations for the purpose of enabling TTT activity not related to transportation.



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

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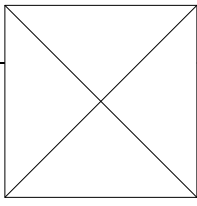
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S16

When a reduction on a party's delivery side occurs at a location, and the Transportation Service Provider (TSP) does not keep the party whole, the TSP should pass the reduction to the appropriately ranked receipt transaction. When a reduction on a party's receipt side occurs at a location, and the TSP does not keep the party whole, the TSP should pass the reduction to the appropriately ranked delivery transaction.

S17

Where a Transportation Service Provider (TSP) determines to employ the confirmation process in its interactions with a Title Transfer Tracking Service Provider (TTTSP) including a TTTSP acting as the TSP's agent, if any, then the TSP should also offer to employ with other TTTSPs, and may at its discretion require that other TTTSPs employ the confirmation process in addition to the nomination on behalf of process for the purpose of coordinating activities at the TSP's locations with respect to Title Transfer Tracking.



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Standard No. and Language: Modify GISB Standard Number 1.3.2 as red-lined below:

1.3.2 All Transportation Service Providers (TSPs) should support the following standard nomination cycles:

(i) The Timely Nomination Cycle: 11:30 am for nominations leaving control of the nominating party; 11:45 am for receipt of nominations by the transporter (except for TTTSPs which is 11:50 am); noon to send Quick Response (except for TTTSPs which is 12:05 pm); 3:30 pm for receipt of completed confirmations by transporter from upstream and downstream connected parties; 4:15 pm for scheduled quantities leaving control of the TSP; 4:30 pm for receipt of scheduled quantities by shipper and point operator (central clock time on the day prior to flow).

(ii) The Evening Nomination Cycle: 6:00 pm for nominations leaving control of the nominating party; 6:15 pm for receipt of nominations by the transporter (except for TTTSPs which is 6:20 pm); 6:30 pm to send Quick Response (except for TTTSPs which is 6:35 pm); 9:00 pm for receipt of completed confirmations by transporter from upstream and downstream connected parties; 9:45 pm for scheduled quantities leaving control of the TSP; 10:00 pm for Transportation Service Provider to provide scheduled quantities to affected shippers and point operators, and to provide scheduled quantities to bumped parties (notice to bumped parties), (central clock time on the day prior to flow).

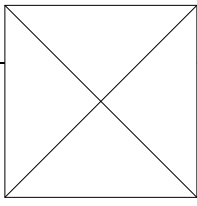
Scheduled quantities resulting from an Evening Nomination that does not cause another Service Requester on the subject Transportation Service Provider to receive notice that it is being bumped should be effective at 9:00 a.m. on gas day; and when an Evening Nomination causes another Service Requester on the subject Transportation Service Provider to receive notice that it is being bumped, the scheduled quantities should be effective at 9:00 a.m. on gas day.

(iii) The Intraday 1 Nomination Cycle: 10:00 am for nominations leaving control of the nominating party; 10:15 am for receipt of nominations by the transporter (except for TTTSPs which is 10:20 am); 10:30 am to send Quick Response (except for TTTSPs which is 10:35 am); 1:00 pm for receipt of completed confirmations by transporter from upstream and downstream connected parties; 1:45 pm for scheduled quantities leaving control of the TSP; 2:00 pm for Transportation Service Provider to provide scheduled quantities to affected shippers and point operators, and to provide scheduled quantities to bumped parties (notice to bumped parties), (central clock time on the gas day). Scheduled quantities resulting from Intraday 1 Nominations should be effective at 5:00 pm on gas day.

(iv) The Intraday 2 Nomination Cycle: 5:00 pm for nominations leaving control of the nominating party; 5:15 pm for receipt of nominations by the transporter (except for TTTSPs which is 5:20 pm); 5:30 pm to send Quick Response (except for TTTSPs which is 5:35 pm); 8:00 pm for receipt of completed confirmations by transporter from upstream and downstream connected parties; 8:45 pm for scheduled quantities leaving control of the TSP; 9:00 pm for Transportation Service Provider to provide scheduled quantities to affected shippers and point operators (central clock time on the gas day). Scheduled quantities resulting from Intraday 2 Nominations should be effective at 9:00 pm. on gas day. Bumping is not allowed during the Intraday 2 Nomination Cycle.

(v) For purposes of 1.3.2 ii, iii, and iv, "provide" shall mean, for transmittals pursuant to standards 1.4.x, receipt at the designated site, and for purposes of other forms of transmittal, it shall mean send or post.

(vi) Model:



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In addition, the following instructions would be sent to the Information Requirements Subcommittee for implementation of the Title Transfer Tracking standards:

IR Instructions Appendix

Instructions to IR for the Technical Implementation of Business Process - Other language may *also* appear but would not contradict the diagrams

The Title Transfer Tracking Timing and Information Flow Diagram (the TTT TIF Diagram Part 1) represents the movement of information between parties with respect to processing (from nomination through scheduled quantity) a given Title Transfer Tracking transaction.

Some of the lines are transmittals of information between parties. Some of the lines identified represent the Transportation Service Provider's internal processes. Some of the lines identified represent the Third Party Account Administrator's internal processes. Processes where information is compared with other information or otherwise processed in order to generate a transmittal are identified by boxes labeled with numbers.

[Attachment 1 - TTT TIF Diagram Part 1 Here]

In the TTT TIF Diagram Part 1, each box represents processes performed by the entity listed below:

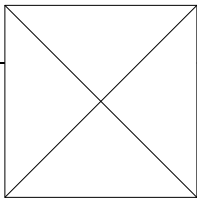
- Box 1: Third Party Account Administrator
- Box 2: Transportation Service Provider performing TTT services as well as transportation
- Box 3: Transportation Service Provider
- Box 5: Welded Operator or TSP2
- Box 6: Transportation Service Provider
- Box 7: Transportation Service Provider

In the TTT TIF Diagram Part 1, each line represents transmittal of the transaction listed below:

- Line A: Title Transfer Nomination (to a TTSP)
- Line B: Transportation Nomination (to TSP)
- Line M: Operator Scheduled Quantity (from TSP to 3PAD)
- Line N: scheduled quantity information (from TSP/WOPR to SR)
- Line O: Operator Scheduled Quantity (from TSP to WOPR)
- Line P: scheduled quantity information (from TTTSP to AH)
- Line Q: Title Transfer Coordination Nomination on behalf of AH (from 3PAD to TSP)
- Line R: Title Transfer Coordination Nomination Quick Response to nomination(s) on behalf of AHs (from TSP to 3PAD)
- Line S: title transfer nomination quick response information (from TTTSP to AH)
- Line T: nomination quick response information (from TSP to SR)
- Line V: Title Transfer Validation Response (from TSP to 3PAD and 3PAD to 3PAD)
- Line W: Title Transfer Validation Response Quick Response (from 3PAD to TSP and 3PAD to 3PAD)
- Line X: Request for Confirmation (between TSP and TSP/WOPR)
- Line Y: Confirmation Response or unsolicited Confirmation Response (between TSP/WOPR and TSP)
- Line Z: Confirmation Response Quick Response (between TSP and TSP/WOPR)

In the TTT TIF Diagram Part 1, the lines E, F, G, H, I, J, K, L represent the TSP's internal processes.

In the TTT TIF Diagram Part 1, the lines C and U represent the 3PAD's internal processes.



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[Attachment 2 - TTT TIF Diagram Part 2 Here]

The TTT TIF Diagram Part 2 represents an example of multiple 3PADs at a location as well as an example of communications occurring in conjunction with a nominations deadline. It also represents an example of communications between a 3PAD and two TSPs when the location is an interconnect between the two TSPs (i.e., TSP₁ and TSP₂) and there are transactions involving the 3PAD's AHs receiving or delivering to parties associated with both TSPs.

In the TTT TIF Diagram Part 2, each box represents processes performed by the entity listed below:

- Box 1: Third Party Account Administrator (3PAD₁)
- Box 3: Transportation Service Provider
- Box 8: Third Party Account Administrator (3PAD₂)
- Box 10: Transportation Service Provider (TSP₂)
- Box 11: Third Party Account Administrator (3PAD₃)
- Box 12: Third Party Account Administrator (3PAD₄)

In the TTT TIF Diagram Part 2, each line represents transmittal of the transaction listed below:

- Line D: Title Transfer Request for Validation (from to 3PAD)
- Line Q: Title Transfer Coordination Nomination on behalf of AH (from 3PAD to TSP)
- Line R: Title Transfer Coordination Nomination Quick Response to nomination(s) on behalf of AHs (from TSP to 3PAD)
- Line V: Title Transfer Validation Response (from 3PAD to 3PAD)
- Line W: Title Transfer Validation Response Quick Response (from 3PAD to 3PAD)

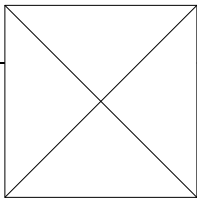
In the TTT TIF Diagram Part 2, the line C represents the 3PAD's internal processes.

[Attachment 3 - TTT TIF Diagram Part 3 Here]

The TTT TIF Diagram Part 3 represents an example of multiple 3PADs at a location as well as an example of communications occurring in conjunction with the confirmations process. It also represents an example of communications between a 3PAD and two TSPs when the location is an interconnect between the two TSPs (i.e., TSP₁ and TSP₂) and there are transactions involving the 3PAD's AHs receiving or delivering to parties associated with both TSPs.

In the TTT TIF Diagram Part 3, each box represents processes performed by the entity listed below:

- Box 0: A Transportation Service Provider (TSP* - i.e., any TSP notifying 3PAD₁ of a change, or being notified of a change by 3PAD₁) or a Third Party Account Administrator (3PAD* - i.e., any 3PAD notifying 3PAD₁ of a change, or being notified of a change by 3PAD₁)
- Box 1: Third Party Account Administrator (3PAD₁)
- Box 8: Third Party Account Administrator (3PAD₂)
- Box 9: Transportation Service Provider (TSP* - i.e., a TSP affected by information received by 3PAD₂)
- Box 10: Transportation Service Provider (TSP₂) affected by information received by 3PAD₁)
- Box 11: Third Party Account Administrator (3PAD₃)
- Box 12: Third Party Account Administrator (3PAD₄)



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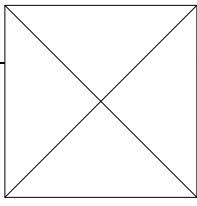
In the TTT TIF Diagram Part 3, each line represents transmittal of the transaction listed below:

Line D: Title Transfer Request for Validation (from 3PAD to 3PAD, or from 3PAD to TSP)

Line V: Title Transfer Validation Response (from 3PAD to 3PAD, or from TSP* and/or TSP₂ to 3PAD₁)
or an unsolicited Title Transfer Validation Response (from TSP* to 3PAD₁)

Line W: Title Transfer Validation Response Quick Response (from 3PAD to 3PAD or from 3PAD to TSP)

- a) Where a TSP requires the receipt of a line “Q” transmittal from the 3PAD, the line “Q” transmittal from Box 1 to Box 3 should be received at the TSP’s designated site within twenty (20) minutes of the nomination deadline.
- b) Where a line “Q” transmittal has been required by a TSP, the line “R” transmittal from Box 3 to Box 1 should be received at the 3PAD’S designated site within fifteen (15) minutes of the deadline for such Title Transfer Coordination Nominations being received at the TSP’s designated site (consistent with GISB Standard 1.3.37).
- c) The line “F” between Box 3 and Box 4 represents the case where a mismatch has been identified by the TSP with respect to those transactions nominated to the TSP by its SRs (and/or AHs) as entering or leaving the 3PAD from or to (respectively) the TSP at locations other than pooling points, and, those transactions sent by the 3PAD to the TSP in line “Q”, and whereupon, the TSP should promptly begin another exchange of information with the 3PAD. This exchange of information is identified as being between Box 4 and Box 1 and should be comprised of (in order) the information to be exchanged in lines V, W, D, V, and W.
- d) The line “U” between Box 1 (Process Nominations) and Box 1 (Resolve Mismatches) represents the case where a 3PAD initially, or upon detecting a difference between information last communicated to the TSP with respect to locations other than pooling points and the information that is currently effective with respect to locations other than pooling points, initiates an exchange of information with the TSP and with any applicable 3PADs. This exchange of information with respect to the TSP is identified as being between Box 1 (Resolve Mismatches) and Box 3 (Resolve TTT Data Mismatches) and should be comprised of (in order) the information to be exchanged in lines D, V and W. Where there is another 3PAD involved, the exchange of information with respect to any such 3PAD is identified in Part 3 of the TTT TIF Diagram as being between Box 1 and Box 8, and/or between Box 1 and Box 11, and/or between Box 1 and Box 12, and where such communication is applicable, it should be comprised of (in order) the information to be exchanged in lines D, V and W. Where there is another TSP involved the exchange of information with respect to any such 3PAD is identified in Part 3 of the TTT TIF Diagram as being between Box 1 and Box 10, and where such communication is applicable, it should be comprised of (in order) the information to be exchanged in lines D, V and W.
- e) With respect to locations other than pooling points, for any nomination deadline, an initial line “D” transmittal between Box 1 and Box 4 should be received at the TSP’s designated site within one half hour (30 minutes) of the line “Q” transmittal. In addition, a line “D” transmittal between Box 1 and Box 4 should be received at the TSP’s designated site within one half hour of the receipt of the first line “V” transmittal between Box 4 and Box 1. This first line “V” transmittal should identify that it is the result of a mismatch and should identify the mismatched line item(s). Subsequent line “V” transmittals within the same nominations processing cycle should be received at the 3PAD’s designated site within one half hour (30 minutes) of the receipt of the line “D” transmittal. In addition, the line “W” transmittals between Boxes 1 and 4 should be received at the TSP’s designated site within fifteen (15) minutes of receipt at the 3PAD’s designated site of the transmittal to which the line “W” transmittal responds.

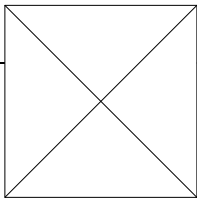


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- f) With respect to locations other than pooling points, where a line “D” transmittal is the next communication between the 3PAD and the TSP after a line “Q” or line “R” transmittal (i.e., there has been no line “V” transmittal), the line “D” transmittal may not increase quantities for any AH nor may an AH not previously identified in the line “Q” transmittal be identified in the subject line “D” transmittal.
- g) With respect to locations other than pooling points, where a line “D” transmittal is the next communication between the 3PAD and the TSP after a line “V” or line “W” transmittal, the line “D” transmittal may not increase quantities for any AH nor may an AH not previously identified in the line “V” transmittal be identified in the subject line “D” transmittal.
- h) The line “T” between Box 6 (Compare Flow Data for Mismatches) and Box 6 (Resolve Flow Data for Mismatches) represents the case where a mis-match has been identified with respect to those transactions nominated to the TSP by its SRs (and/or AHs) as entering or leaving the TSP/WOPR from or to (respectively) the TSP, and, those transactions identified by the TSP/WOPR to the TSP in a line “Y” transmittal (or line “X” transmittal, as applicable); and whereupon, in cases where the TSP determines there is sufficient time to conduct another exchange of information, the TSP should promptly begin another exchange of information with the TSP/WOPR . This exchange of information is identified as being between Box 6 and Box 5 and should be comprised respectively of the information to be exchanged in lines X, Y, and Z.
- i) With respect to locations other than pooling points, where the results of the comparison of information presented as the transmittals between Box 6 and Box 5 cause a reduction to a quantity identified by the TSP to a 3PAD in the TSP’s most recent corresponding line “V” transmittal (line “J” exemplifies this occurrence), the TSP should promptly begin another exchange of information with the 3PAD. This exchange of information is identified as being between Box 4 and Box 1 and should be comprised of (in order) the information to be exchanged in lines V, W, D, V, and W.
- j) The line “X” transmittal between Box 6 (Compare Flow Data for Mismatches) and Box 5 (Initiate Confirmation) should be received at the applicable party’s designated site no less than two hours prior to the end of the confirmation process (the time for receipt of completed confirmations), except where the TSP performs capacity allocations before initiating confirmations; in which case, the line “X” transmittal should be received at the applicable party’s designated site within two hours of the nomination deadline. The line “Y” transmittal between Box 6 and Box 5 should be received at the applicable party’s designated site within one half hour (30 minutes) of the receipt of the line “X” transmittal . The line “Z” transmittal should be received at the applicable party’s designated site within fifteen (15) minutes of receipt at the sender’s designated site of the transmittal to which line “Z” transmittal responds.
- k) At the time of any line “D” transmittal between Box 1 and Box 4, the information in the transmittal as to the total quantities into and total quantities out of the 3PAD from and to the TSP respectively should be equal to one another.
- l) At the time of any line “X” transmittal exchanged between a TSP and a TSP/WOPR, the information in the transmittal as to the total quantities into and total quantities out of the TSP/WOPR from and to the TSP, respectively, should reflect the processing of 3PAD provided information as to activity on the TSP side of the interconnect, including the transactions between 3PADs across the interconnect (where applicable).
- m) At the time of any line “Y” transmittal exchanged between a TSP and a TSP/WOPR, the information in the transmittal as to the total quantities into and total quantities out of the TSP/WOPR from and to the TSP, respectively, should reflect the processing of 3PAD provided information as to activity on the TSP side of the interconnect, including the transactions between 3PADs across the interconnect (where applicable).



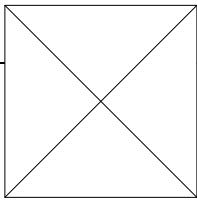
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- n) At the time of any line “V” transmittal sent by a TSP to a 3PAD, the information in the transmittal should identify all transactions into and out of the 3PAD, as known to the TSP, inclusive of changes to reflect the TSP’s application of the lesser of rule.
- o) In cases where the 3PAD and the TSP communicate (i.e., between Box 1 and Box 3 or between Box 1 and Box 4) transactions, where a comparison is made between received transactions and currently effective transactions, and where a missing transaction is identified (i.e., the receiver does not have a corresponding nomination), then the missing transaction is considered a mismatch and should be communicated back to the sender as a zero (0) quantity line item.
- p) With respect to locations other than pooling points, as depicted in the TTT TIF Diagram Part 3, the line “V” transmittal between Box 0 and Box 1 should cause the receiving 3PAD to initiate communications with all other 3PADs with which it communicated (sent or received) a line “D” transmittal with respect to that location during the subject nomination cycle. This exchange of information with other 3PADs is identified in Part 3 of the TTT TIF Diagram as being those between Box 1 and Box 11, Box 1 and Box 12, and Box 1 and Box 8 and should be comprised of (in order) the information to be exchanged in lines D, V, and W. These 3PAD to 3PAD exchanges should be initiated promptly upon the receipt of a line “V” transmittal and should be completed and processed (i.e., receipt of a line “V” transmittal in response to a line “D” transmittal within twenty (20) minutes of receipt of the line “D” transmittal. Any 3PAD receiving a line “V” transmittal from a TSP should respond to that TSP with a line “D” transmittal within one half hour (30 minutes).
- q) With respect to locations other than pooling points, as depicted in the TTT TIF Diagram Part 3, the line “D” transmittal between Box 0 and Box 1 (Resolve Mismatches) should cause the receiving 3PAD to initiate communications with all other 3PADs with which it communicated (sent or received) a line “D” transmittal with respect to a location during the subject nomination cycle. This exchange of information with other 3PADs is identified in Part 3 of the TTT TIF Diagram as being those between Box 1 and Box 11, Box 1 and Box 12, and Box 1 and Box 8 and should be comprised of (in order) the information to be exchanged in lines D, V, and W. These 3PAD to 3PAD exchanges should be initiated promptly upon the receipt of a line “D” transmittal and should be completed and processed (i.e., receipt of a line “V” transmittal in response to a line “D” transmittal) within twenty (20) minutes of receipt of the line “D” transmittal. Any 3PAD receiving and processing such line “D” transmittal and detecting a difference between information last communicated to a TSP and that information currently effective should, within ten (10) minutes, initiate an exchange of information with that TSP. This exchange of information with the TSP is identified as being between Box 1 and Box 10 and Box 8 and Box 9 and should be comprised of the information to be exchanged in line D. In the cases where there is sufficient time, a subsequent line “V” transmittal from the TSP and line “W” transmittal from the 3PAD should occur.
- r) With respect to locations other than pooling points, as depicted in the TTT TIF Diagram Parts 1 and 2, the line “C” between Box 1 (Process Incoming Nominations) and Box 1 (Compare TTT Data for Mismatches) represents the case where a 3PAD has received nominations from their AHs and this should cause them to initiate communications with all other 3PADs to or from whom their AHs are receiving/delivering transfers via a line “D” transmittal. This line “D” transmittal should be received at the applicable 3PAD’s designated site within one half hour (30 minutes) of the nomination deadline. With respect to locations other than pooling points, and with regard to the TTT TIF Diagram Part 2, this exchange of information with other 3PADs is identified as being between Box 1 and Box 8, Box 1 and Box 12, and Box 1 and Box 11 and should be comprised of (in order) the information to be exchanged in lines D, V, and W.

Likewise, and with respect to locations other than pooling points, those 3PADs receiving nominations from their AHs should initiate communications with the TSP at the location with which they are associated and all TSPs to or from whom their AHs are receiving/delivering transfers via a line “D” transmittal. This line “D” transmittal should be received at the applicable TSP’s designated site within one half hour (30 minutes) of the



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nomination deadline. This exchange of information with the TSPs is identified in both Parts 1 and 3 of the TTT TIF Diagram as being between Box 1 (Process Nominations) and Box 3 (Compare TTT Data for Mismatches) and is also identified in Part 3 of the TTT TIF Diagram as being between Box 1 (Process Nominations) and Box 10 (Compare TT Data for Mismatches) and in all cases should be comprised of a line "Q" transmittal and responded to with a line "R" transmittal.

- s) With respect to locations other than pooling points, and in the event a Transportation Service Provider (TSP) has either: a) received no communication from the Third Party Account Administrator (3PAD) in response to a line "V" transmittal; or, b) determined there was not sufficient time prior to the completion of the confirmation process to conduct another exchange of information to resolve mismatches with respect to transactions into or out of that 3PAD, then with respect to generating scheduled quantities to be sent to that 3PAD, the TSP may, absent mutual agreement between the TSP and that 3PAD to the contrary, cause the transactions for which information is not available from the 3PAD to be appropriately reduced and then should apply GISB Standard [S27] and the resulting information should be communicated to the affected parties, including the 3PAD, via line "M", "N", "O", and "P" transmittals, as applicable.

The following previously proposed standards are now included in the Instructions to IR to "clean up" and add the following concepts to the relevant Technical Implementation of Business Process:

D8

A Title Transfer Nomination Quick Response is a quick response providing data validation of a Title Transfer Nomination(s), for a service request received by a Title Transfer Tracking Service Provider (TTTSP). The Title Transfer Nomination Quick Response is sent by the TTTSP to the Account Holder which requested the service.

D9

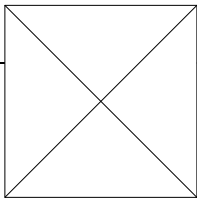
A Title Transfer Request for Validation is a request for validation by a Third Party Account Administrator (3PAD) of a Title Transfer Nomination(s) received by that 3PAD. The Title Transfer Request for Validation is sent by the 3PAD to the Transportation Service Provider (TSP) with respect to those nomination(s) received by the 3PAD which pertain to activities entering or leaving the 3PAD at a location(s) on the TSP other than a pooling point. The Title Transfer Request for Validation is also sent by the 3PAD to another 3PAD at a location on the TSP other than a pooling point, when a Title Transfer Nomination received by the Title Transfer Request for Validation-sending 3PAD pertains to activities at same location (i.e., other than a pooling point location) and which are entering (or leaving) the sending 3PAD from (or to) the Title Transfer Request for Validation-receiving 3PAD.

D11

A Title Transfer Validation Response is a validation response concerning the Title Transfer Tracking (TTT) transactions for quantities entering and leaving the Third Party Account Administrator (3PAD), at location(s) other than pooling points. The Title Transfer Validation Response is sent in response to a title transfer request for validation or may be sent as an unsolicited transaction. The Title Transfer Validation Response is sent by the TSP to the 3PAD and includes all transactions identified to the TSP as entering and/or leaving the 3PAD at location(s) other than pooling points. The Title Transfer Validation Response is also sent by the 3PAD to a Title Transfer Request for Validation-sending 3PAD and includes all transactions identified to the Title Transfer Validation Response-sending 3PAD as entering from (and/or leaving to) the Title Transfer Validation Response-receiving 3PAD at the same location(s) (i.e., at locations other than pooling points).

D12

A Title Transfer Validation Response Quick Response is a quick response providing data validation for a Title Transfer Tracking Validation Response. The Title Transfer Validation Response Quick Response is sent by the Third Party Account Administrator to the party sending it the Title Transfer Validation Response.



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D13

A Title Transfer Coordination Nomination is a nomination line item providing data to a Transportation Service Provider (TSP) with respect to a Title Transfer Nomination received by a Third Party Account Administrator (3PAD). The Title Transfer Coordination Nomination is sent by the 3PAD to the TSP on behalf of the 3PAD's Account Holder(s) (AH(s)) and contains information with respect to the Title Transfer transaction requested by that AH(s) of the 3PAD. Title Transfer Coordination Nominations are sent to TSPs for only those transactions which involve gas transferred, at the location into the 3PAD to (or at the location out of the 3PAD from) the AH(s). Information with respect to Title Transfer Tracking transactions between AH(s) of the 3PAD is not to be provided in a Title Transfer Coordination Nomination.

D14

A Title Transfer Coordination Nomination Quick Response is a quick response providing data validation of a Title Transfer Coordination Nomination(s), in response to a coordination request received by a Transportation Service Provider (TSP) from a Third Party Account Administrator (3PAD) with respect to a Title Transfer transaction requested by an Account Holder(s) (AH(s)) of the 3PAD involving gas transferred, at the location into the 3PAD to (or at the location out of the 3PAD from) the AH(s).

S25

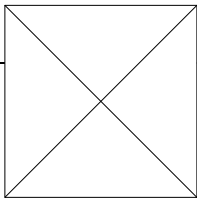
With respect to locations other than pooling points, where a transaction involves the transfer between an Account Holder (AH) in one Third Party Account Administrator (3PAD) and an AH in another 3PAD, each 3PAD should send a nomination to its respective Transportation Service Provider (TSP) or Welded Operator (WOPR), with whom the 3PAD has a contract, on behalf of the 3PAD(s)' respective AHs, identifying the AH's transaction(s) and delineating it/them at a level of detail no less detailed than the 3PAD1 - AH1 to 3PAD2 - AH2 level. Where a transaction involves the transfer between an AH in a 3PAD and an AH or Service Requester (SR) on that TSP/WOPR or on a TSP/WOPR other than the TSP/WOPR at the location, with which the 3PAD has a contract, the 3PAD should send a nomination to both the TSPs/WOPRs on behalf of their AHs identifying the AH's transaction(s) and delineating it/them at a level of detail no less detailed than the 3PAD - AH to TSP/WOPR - AH/SR level.

S38 (partial)

An Account Holder (AH) may nominate to their Title Transfer Tracking Service Provider (TTTSP) to place gas into such pooling point. Such nomination, once made to the TSP by the TTTSP on behalf of its AH, should be sufficient to cause such gas to be considered delivered to the pooling point. As the pooling point is at the TSP/WOPR location there should be no transportation needed to get gas into the TSP's pooling point location from the WOPR's point at the location nor should transportation be needed to get gas transferred between AHs (or 3PADs on behalf of their AHs) at the location. For a quantity of gas to leave the location (transferred out) and be delivered at a different TSP location, a TSP may require that a transportation nomination corresponding to such quantity and TSP location(s) be made by a Service Requester.

S39 (partial)

When determining the extent to which those quantities nominated by (or on behalf of) one Account Holder₁/Service Requester₁'s (AH₁/SR₁'s) to an Account Holder₂/Service Requester₂ (AH₂/SR₂) out of a pooling point match those quantities nominated by (or on behalf of) such AH₂/SR₂ out of the same point from AH₁/SR₁, the Transportation Service Provider should compare quantities aggregated at the AH₁/SR₁ - AH₂/SR₂ level. When the quantities do not match at this level and this results in a reduction in: a) such AH₁/SR₁'s delivery quantity to AH₂/SR₂ (because their AH₂/SR₂ counterparty nominated less receipts), then: 1) the lowest ranked delivery(ies) for such AH₁/SR₁ to AH₂/SR₂ should be reduced, and, 2) AH₁/SR₁'s corresponding receipt quantity(ies) should also be reduced commensurably; and when, b) such activity results in a reduction in an AH₁/SR₁'s receipt quantity from AH₂/SR₂ (because their AH₂/SR₂ counterparty nominated less deliveries), then: 1) the lowest ranked receipt(s) of



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: GISB 1998 Annual Plan

Request No.: R97019, R97043, R97049

such AH₁/SR₁ from AH₂/SR₂ should be reduced, and, 2) AH₁/SR₁'s corresponding delivery quantity(ies) should also be reduced commensurably.

4. SUPPORTING DOCUMENTATION

a. Description of Request:

GISB 1998 Annual Plan, Item 6. Completion of Title Transfer Tracking effort.

b. Description of Recommendation:

Title Transfer Tracking Pilot Testing Task Force - September 10, 1998

Motion: Take a sense of the room between The Modified Transfer Model and the Modified Alternate Proposal to decide which model we will go forward with and which model's will be cleaned up tomorrow. Voting results were as follows (balanced):

Motion:	Transfer	Alternate	Total	Balancing Determinant	Balanced Transfer	Balanced Alternate	Balanced Total
End Users	3	0	3	3	2.00	0.00	2
LDCs	0	0	0	0	0.00	0.00	0
Services	5	1	6	2	1.67	0.33	2
Producers	2	0	2	2	2.00	0.00	2
Pipelines	0	13	13	2	0.00	2.00	2
	10	14	24	8	5.6667	2.3333	8

Title Transfer Tracking Pilot Testing Task Force - September 11, 1998

Motion: Greg Lander made the motion to adopt the proposed recommendation with the above amendments to the proposed standards. Seconded by Donna Scott.

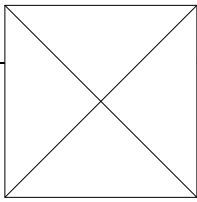
Discussion:

- Will the instructions to IR be included in the recommendation?
- Will the diagrams from previous meetings be included in the recommendation?

Mr. Lander amended his motion to include the instructions to Information Requirements with the proposed recommendation to the EC. Within instructions to IR, add diagrams Part 1, dated 7/31/98; Part 2 dated 8/5/98; Part 3 dated 9/3/98 into the recommendation.

Voting results were as follows (balanced):

Motion:	For	Against	Total	Balancing Determinant	Balanced For	Balanced Against	Balanced Total
End Users	3	0	3	2	2.00	0.00	2
LDCs	0	0	0	0	0.00	0.00	0
Services	4	0	4	2	2.00	0.00	2
Producers	2	0	2	2	2.00	0.00	2



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

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Pipelines	0	0	0	0	0.00	0.00	0
	9	0	9	6	6.0000	0.0000	6

c. Business Purpose:

Reference Annual Plan

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

Reference applicable minutes of the task force

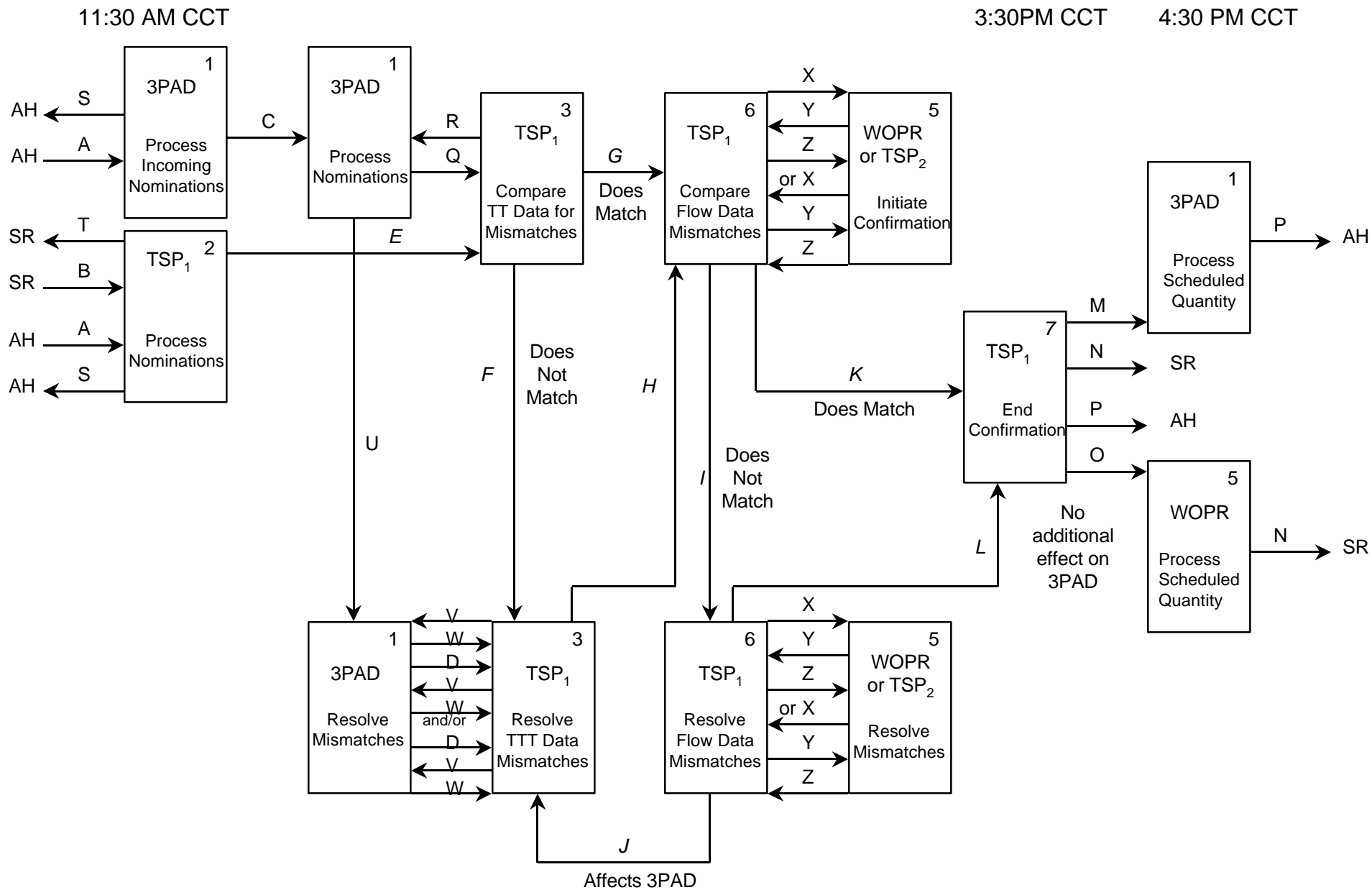
e. Attachments

Atachment 1 – TTT TIF Diagram Part 1, dated 7/31/98

Attachment 2 – TTT TIF Diagram Part 2, dated 8/5/98

Atachment 3 – TTT TIF Diagram Part 3, dated 9/3/98

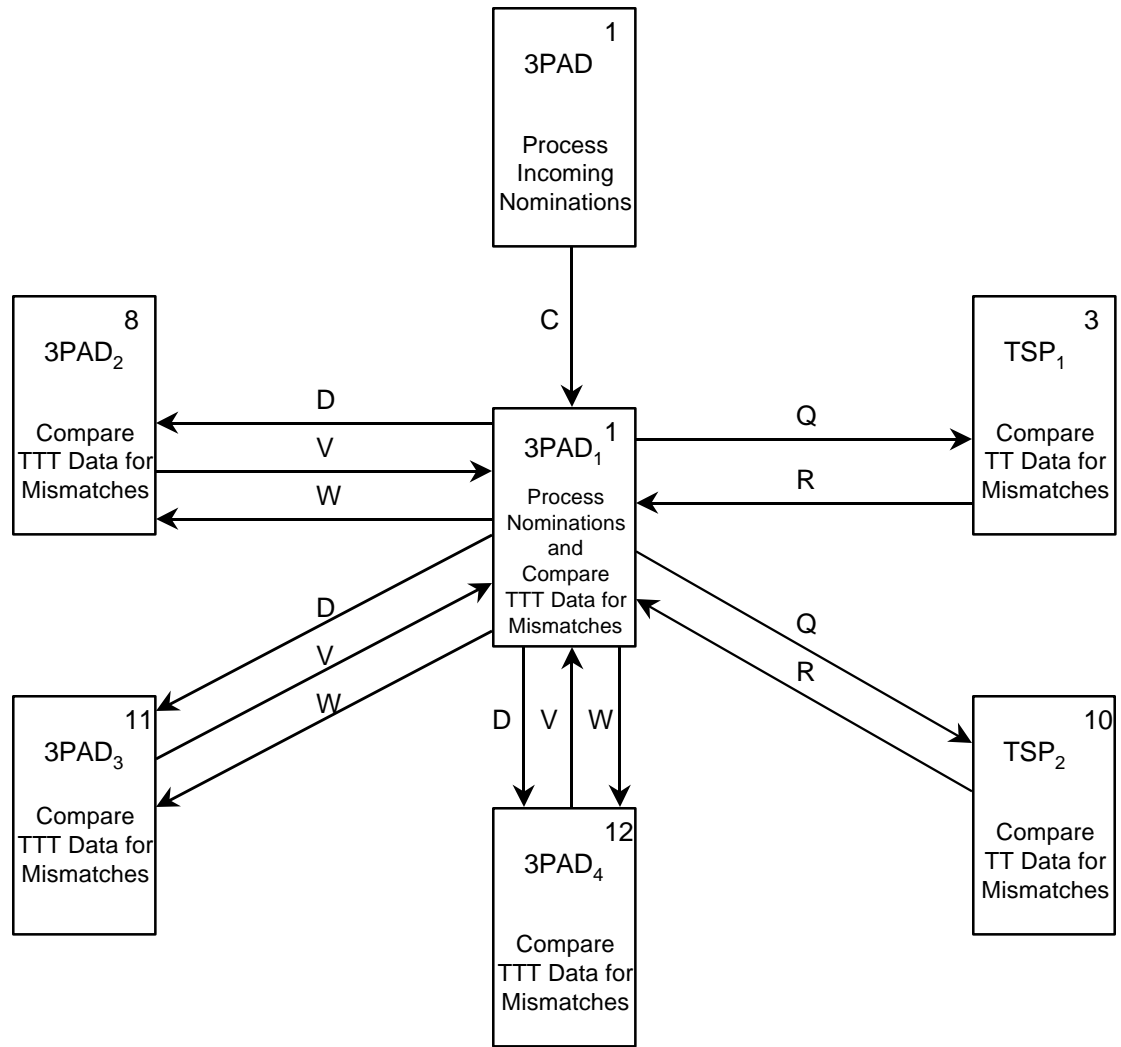
Title Transfer Tracking July 30, 1998 Timing / Flow Diagram



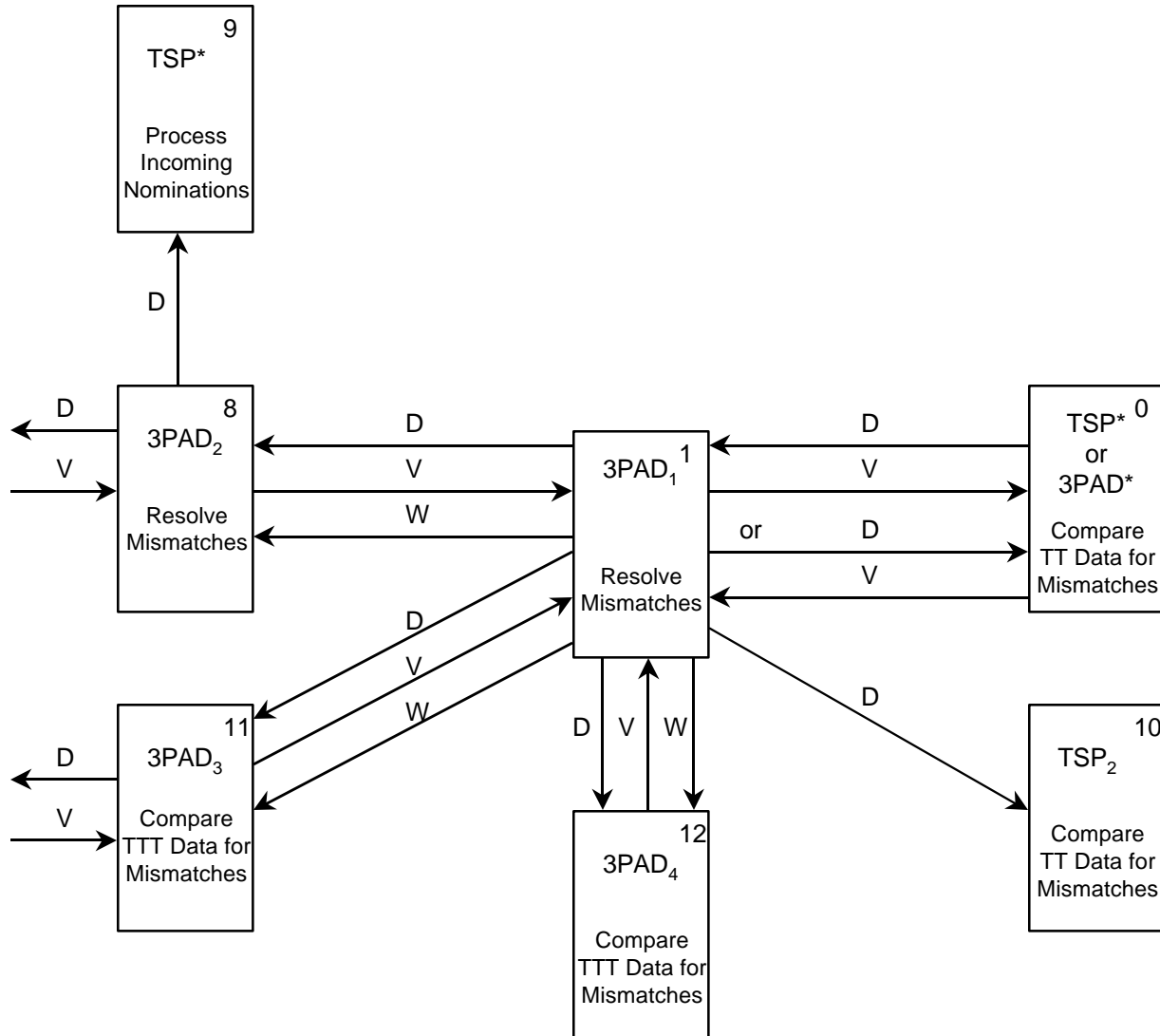
Title Transfer Tracking
August 05, 1998
Timing / Flow Diagram
Part 2 (Standard 29)

11:45 AM CCT - D & Q

12:00 PM CCT - V & R



Title Transfer Tracking
August 05, 1998
Timing / Flow Diagram
Part 3 (Standard 28)





5. Report on Common Codes Issues

- Mr. Hahn will review the progress to date on negotiations for intellectual property rights for the Dun and Bradstreet D-U-N-S® Number used in GISB standards for the common code for business parties.
- Mr. Hahn and Ms. McQuade will review the activities underway regarding the PI/Dwights Data Reference Number used in the GISB standards for the common code for location points.





GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
SEPTEMBER 30, 1998

6. Report on Notice of Proposed Rule-making Docket No. RM98-10-000

- Attached is a summary of points from the NOPR Docket No. RM98-10-000 issued by the FERC on July 29, 1998
 - The summary was prepared by Mr. Caldwell.
 - Mr. Holbrook will review the NOPR and its possible effects on GISB.
 - The Board will be asked to consider if GISB should comment regarding the NOPR. The comments are due November 9, 1998.
-

The Federal Energy Regulatory Commission (Commission) is proposing an integrated package of revisions to its regulations governing interstate natural gas pipelines to reflect the changes in the market for short-term transportation services on pipelines. Under the proposed approach, cost-based regulation would be eliminated for short-term transportation and replaced by regulatory policies intended to maximize competition in the short-term transportation market, mitigate the ability of firms to exercise residual monopoly power, and provide opportunities for greater flexibility in the provision of pipeline services. The proposed changes include initiatives to revise pipeline scheduling procedures, receipt and delivery point policies, and penalty policies, to require pipelines to auction short-term capacity, to improve the Commission's reporting requirements, to permit pipelines to negotiate rates and terms of services, and to revise certain rate and certificate policies that affect competition.

DATES: Comments are due November 9, 1998.

ADDRESSES: Federal Energy Regulatory Commission, 888 First Street, NE, Washington DC, 20426.

FOR FURTHER INFORMATION CONTACT:

Michael Goldenberg, Office of the General Counsel, Federal Energy Regulatory Commission, 888 First Street, NE, Washington, DC 20426. (202) 208-2294
Erica Yanoff, Office of the General Counsel, Federal Energy Regulatory Commission, 888 First Street, NE, Washington, DC 20426. (202) 208-0708
Ingrid Olson, Office of the General Counsel, Federal Energy Regulatory Commission, 888 First Street, NE, Washington, DC 20426. (202) 208-2015.

1) A Different Model for Regulating the Short-term Market

- a) The Commission is proposing to create more uniform nominating procedures for released capacity so that it can better compete with capacity from the pipelines and delivered gas transactions.
- b) Commission is proposing the use of capacity auctions for all short-term capacity.
- c) To monitor the marketplace, the Commission is proposing to establish reporting requirements to provide capacity and pricing information to all shippers.

2) Creating Greater Competition Among Short-Term Service Offerings

- a) In order to place capacity release transactions on a more equal footing with pipeline services, the Commission is proposing that pipelines provide purchasers of released capacity, like shippers purchasing capacity from the pipeline, with the opportunity to submit a nomination at the first available opportunity after consummation of the deal. This will enable shippers, for instance, to acquire released capacity at any of the nomination or intra-day nomination synchronization times and nominate gas coincident with their acquisition of capacity.
- b) The proposal would provide that a pipeline that requires the replacement shipper to enter into a contract must issue the contract

within one hour of submission of the transaction and that the requirement for contracting must not inhibit the ability to submit a nomination at the time the transaction is complete.

3) Capacity Auctions: Proposed Auction Requirement

- a) The Commission is proposing that a pipeline's available short-term capacity must be sold through an Auction.
- b) The requirement of an auction for short-term capacity still leaves the question of whether to retain the current bidding procedure for long-term capacity release transactions.
- c) To ensure comparability, the Commission, therefore, proposes to permit shippers to release capacity on a long-term basis without going through a bidding process. As is the case for the pipelines, no sales of long-term capacity can exceed the pipeline's maximum rate.
- d) The Commission is proposing that all short-term releases of capacity by firm shippers take place through the auction to ensure that capacity is allocated on a non-discriminatory basis to the purchaser placing the greatest value on the capacity.

4) Information Reporting and Remedies for the Exercise of Market Power: Reporting Requirements

The information needed by the market, both for decision-making and monitoring purposes, falls into three general categories: information on capacity availability, information on the structure of the market, and information on capacity transactions, such as rates, contract duration, and contract terms.

- a) Information on the amount of capacity available at receipt and delivery points and on mainline segments as well as on the daily amount of capacity that pipelines schedule at these points will help shippers structure gas transactions and cast light on whether shippers or the pipeline may be withholding capacity.
- b) But, in order to effectively determine whether capacity is being withheld, information also is needed to show the total design capacity of the point or segment and the amount scheduled on a daily basis.
- c) The Commission also proposes to require pipelines to post information on planned and actual maintenance or system outages that would reduce the amount of capacity available.

5) Information on Market Structure.

- a) The Commission proposes to add a requirement to include in the Index of Customers the receipt and delivery points held under the contract, the zones or segments in which the capacity is held, and the shipper's contract number.
- b) To assure parity of transactional information, the Commission proposes, as described, to require the pipelines to provide the same information about their transactions as is currently provided about capacity release transactions.

6) Penalties and Operational Flow Orders

- a) Pipelines Should Provide, on a Timely Basis, as Much Imbalance and Overrun Information as Possible
- b) The pipeline would not be required to install real time meters. The burden on the pipeline would be limited to distributing on a timely basis--i.e., so that the shipper has a reasonable opportunity to avoid penalties--the information the pipeline currently has on deliveries and imbalances at each shipper's delivery point as well as system imbalances. The pipeline would be required to establish a system that notifies each shipper individually of the imbalance/delivery information that the pipeline possesses or to give shippers access to such information via the Internet.
- c) A related option is for the Commission to establish procedures that would allow all segments of the natural gas industry to form a consensus, to the extent practicable, on penalty tariff provisions that could be uniform either on a national or regional basis. Such provisions could:
 - i) define the particular penalties and to whom they would apply;
 - ii) implement cash-out provisions on all pipelines;
 - iii) set tolerance levels;
 - iv) determine the time periods when the penalties would be applicable;
 - v) define the time periods to notify shippers of penalties; and
 - vi) allow make-up and/or trading of imbalances.

The Commission has successfully prompted, by adopting recommendations of **GISB**, the standardization of many of the operating rules of interstate pipelines to enhance competition. In that regard, the Commission stresses that the intent of this option is not to determine standardized penalty provisions as part of the rulemaking, but rather to initiate a process in which a consensus may be achieved. The Commission solicits comment on whether the industry could develop such standards through **GISB** or whether the Commission would need to establish its own process for developing the standards.

7) Negotiated Rates and Services

Two of the objectives of the regulatory changes proposed in this NOPR are to promote greater innovation in service offerings, and to increase the value of long-term capacity as protection against price swings in the short-term market. As explained below, allowing the negotiation of rates and services can provide the flexibility necessary to foster service innovation.

- a) Implementation of the Negotiated Rates and Services Policy
- b) Recourse Service
 - i) The recourse service, which would be available to all shippers, serves as an alternative to negotiating with the pipeline, and an important check on the pipeline's potential exercise of market power. Therefore, the Commission must ensure that the recourse service is initially, and remains over time, a high quality service, so that it stays a viable alternative to negotiated rates and services. Below, the Commission presents proposals for initially establishing a good quality recourse service, and for maintaining the vitality of that recourse service in the future.

c) Establishment of Initial Recourse Service. The Commission proposes to require that each pipeline's initial voluntary filing to implement negotiated terms and conditions of service define the components of that pipeline's recourse service.

Another option for establishing initial recourse service would be to have **GISB** generically identify basic elements of service that could not be subject to negotiation. Designating particular terms or conditions as non-negotiable would have the effect of defining some of the basic terms and conditions of service that comprise recourse service. Some commenters have requested that the Commission generically specify particular terms or conditions as non-negotiable. However, **GISB** is the one forum where all segments of the industry are brought together, making across-the-board consensus on this issue a possibility. The Commission requests comments on the feasibility and value of having **GISB** define initial recourse service.



7. Finance Reports

- Attached is the financial report for the GISB organization for July 1998. The report is prepared on an accrual basis and a cash basis. Susan Admire of Admire & Associates and Rae McQuade will review the reports and answer questions.
 - Ms. Admire will review the audit report prepared by Deloitte and Touche for 1997.
 - Mr. Templeton and Mr. Horton will review the efforts to date regarding the preparation of the 1999 budget.
-



GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
SEPTEMBER 30, 1998

8. 1998 MEMBERSHIP REPORT

- Attached is the Membership Report as of September 15, 1998.
- Rae McQuade will review the report.
- A report is attached detailing the efforts undertaken by the GISB office regarding membership. Membership letters were sent out by the GISB office the week of February 17.





**Gas Industry Standards Board
Membership list -- 1998
Prepared September 15, 1998**

End Users

- 1 American Electric Power
- 2 Arizona Public Service Company
- 3 Boeing Co.
- 4 Citizens Power Sales
- 5 Comprehensive Energy Services
- 6 Defense Energy Support Center
- 7 Entergy Services, Inc.
- 8 EUA Ocean State Corporation
- 9 Florida Power & Light Company
- 10 Houston Lighting & Power Company
- 11 International Paper
- 12 Midland Cogeneration Venture
- 13 New England Power Company
- 14 Pennsylvania Power & Light Co.
- 15 Salt River Project Agricultural Improvement and Power District

Government

- 1 Department of Energy

LDCs

- 1 Baltimore Gas & Electric Co.
- 2 Brooklyn Union Gas Co.
- 3 Central Illinois Public Service
- 4 Cincinnati Gas & Electric (Cinergy)
- 5 Colonial Gas Company - NEGA
- 6 Columbia Gas Distribution Co.
- 7 ConEdison
- 8 Connecticut Natural Gas Corp.
- 9 Consumers Energy
- 10 Equitable Gas Company
- 11 Laclede Gas Co.
- 12 Michigan Consolidated Gas Co.
- 13 MidAmerican Energy Company
- 14 National Fuel Gas Distribution

LDC's Continued

- 15 National Utility Investors
- 16 NIPSCO Industries, Inc.
- 17 Nicor Gas
- 18 Northern States Power - Wisconsin
- 19 Northwest Natural Gas Company
- 20 Pacific Gas & Electric
- 21 PECO Energy Co.
- 22 Peoples Gas Light & Coke Co.
- 23 Peoples Natural Gas Co.
- 24 Piedmont Natural Gas Co.
- 25 Providence Gas Co.
- 26 Public Service Electric & Gas
- 27 Southern California Gas Co.
- 28 Southern Connecticut Gas Co.
- 29 Southwest Gas Corporation
- 30 Southwestern Energy Company
- 31 Washington Gas Light Co.
- 32 Westfield Gas & Electric Light Dept.
- 33 Wisconsin Gas Company

Pipelines:

- 1 Algonquin Gas Transmission
- 2 Alliance Pipeline Ltd.
- 3 ANR Pipeline Company
- 4 CNG Transmission Corp.
- 5 Colorado Interstate Gas Co.
- 6 Columbia Gas Transmission
- 7 Columbia Gulf Transmission Co.
- 8 El Paso Natural Gas Co.
- 9 Enogex, Inc.
- 10 Florida Gas Transmission Co.
- 11 Great Lakes Gas Transmission
- 12 Iroquois Gas Transmission System
- 13 Kern River



**Gas Industry Standards Board
Membership list -- 1998
Prepared September 15, 1998**

Pipelines (Continued)

- 14 Koch Gateway Pipeline
- 15 Koch Midstream Services Co.
- 16 Lone Star Pipeline Company
- 17 Mid Continent Market Center
- 18 Mississippi River Transmission
- 19 Mobile Bay Pipeline Company
- 20 National Fuel Gas Supply Corp.
- 21 Natural Gas Pipeline Co of America
- 22 NorAm Gas Transmission Company
- 23 Northern Border Pipeline Co.
- 24 Northern Natural Gas Co.
- 25 Northwest Pipeline Corporation
- 26 NOVA Gas Transmission Ltd.
- 27 ONG Transmission Company
- 28 PG&E Gas Transmission
- 29 Panhandle Eastern Pipe Line Co.
- 30 Pemex Gas y Petroquimica Basica
- 31 Portland Natural Gas Transmission System
- 32 Questar Pipeline Co.
- 33 Sabine Pipe Line Company
- 34 Southern Natural Gas Co.
- 35 Tejas Offshore Pipelines
- 36 Tennessee Gas Pipeline
- 37 Texas Eastern Transmission Corp
- 38 Texas Gas Transmission Corp.
- 39 TransCanada Pipelines
- 40 Transcontinental Gas Pipe Line
- 41 Transok, Inc.
- 42 Transwestern Pipeline Co.
- 43 Trunkline Gas Company
- 44 Viking Gas Transmission Company
- 45 Williams Gas Pipelines
- 46 Williams Natural Gas Co.
- 47 Williston Basin Interstate Pipeline

Producers:

- 1 Amoco Corporation
- 2 Burlington Resources
- 3 Cabot Oil & Gas Marketing Corp.
- 4 Chevron U.S.A. Production
- 5 Coastal Oil & Gas
- 6 Conoco, Inc.
- 7 CNG Producing Company
- 8 Exxon Company, U.S.A.
- 9 Fina Oil & Chemical
- 10 Marathon Oil Company
- 11 Mobil Natural Gas, Inc.
- 12 OXY U.S.A. Inc.
- 13 PanCanadian
- 14 Pennzoil Company
- 15 Phillips Petroleum Co.
- 16 Producers Energy Marketing, LLC
- 17 Texaco Natural Gas, Inc.
- 18 Vastar Resources, Inc.

Services:

- 1 Andersen Consulting LLP
- 2 Altra Energy Technologies, L.L.C.
- 3 Altra Streamline, L.L.C.
- 4 Aquila Energy
- 5 Columbia Energy Services
- 6 Coral Energy Resources, L.P.
- 7 DC Systems, Inc.
- 8 Deloitte & Touche Consulting Group
- 9 Duke Solutions, Inc.
- 10 Dynegy Marketing and Trade
- 11 Dynegy Inc.
- 12 Elite Computer Consultants
- 13 EDS
- 14 EnFORM Technology, LLC



Services (Continued)

- 15 Engage Energy
- 16 Enron Administrative Corp.
- 17 Enron Capital & Trade Resources
- 18 Ernst & Young
- 19 Gaslantic
- 20 GE Information Services
- 21 Group 8760, LLC
- 22 Hatch Associates Limited
- 23 IBM Corporation
- 24 Idaho Power Company
- 25 K N Energy, Inc.
- 26 Latitude Technologies
- 27 Midcon Gas Services Corp.
- 28 Mitchell Gas Services, Inc.
- 29 National Registry of Capacity Rights
- 30 NorAm Energy Services, Inc.
- 31 NrG Information Services, Inc.
- 32 PG&E Texas Industrial Energy, L.P.
- 33 PI/Dwights
- 34 ProLiance Energy, L.L.C.
- 35 The SABRE Group
- 36 SABRE Energy
- 37 Southern Company Energy Marketing
- 38 Superior Natural Gas Corporation
- 39 Tractebel Energy Marketing, Inc.
- 40 TransCapacity L.P.
- 41 TransEnergy Management, Inc.
- 42 Williams Energy Services Co.
- 43 Wright, Logue & Associates



GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
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9. ADMINISTRATIVE

- Mr. Holbrook will review the bylaws language on agents serving on the Executive Committee. The Board will be asked to consider if this provision should be extended.
 - For your convenience attached are the schedule of Board meetings in 1998 and planned schedule for 1999, the schedule of Executive Committee meetings in 1998 and planned schedule for 1999, the roster of Executive Committee members, and the current organization of committees and leadership.
-



Gas Industry Standards Board

1100 Louisiana, Suite 4925
Houston, Texas, 77002

Phone - (713) 757-4175, Fax - (713) 757-2491, email gisb@aol.com

September 15, 1998

1998/1999 Calendar of Board of Directors Meetings

<u>DAY</u>	<u>DATE</u>	<u>LOCATION</u>
Thursday	December 3, 1998	Houston
Thursday	March 4, 1999	Houston
Thursday	June 3, 1999	Houston
Wednesday	September 27, 1999	San Antonio
Thursday	December 2, 1999	Houston



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September 15, 1998

1998/1999 Calendar of Executive Committee Meetings

<u>DAY</u>	<u>DATE</u>	<u>LOCATION</u>
Thursday	October 15, 1998	Houston
Thursday	November 19, 1998	Salt Lake City
Thursday	December 17, 1998	New York City
Thursday	January 21, 1999	Colorado Springs
Thursday	February 18, 1999	Houston
Thursday	March 19, 1999	Washington, DC
Thursday	April 16, 1999	Phoenix
Thursday	May 20, 1999	Houston
Thursday	June 17, 1999	Boston
Thursday	July 16, 1999	Las Vegas
Thursday	August 19, 1999	Houston
Thursday	September 16, 1999	Chicago
Thursday	October 21, 1999	Washington, DC
Thursday	November 18, 1999	Houston
Thursday	December 16, 1999	New York



Gas Industry Standards Board

1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone (713)757-4175, Fax (713)757-2491, e-mail gisb1@aol.com
Home Page www.gisb.org

Gas Industry Standards Board

Executive Committee for 1998

END USERS	TITLE AND COMPANY	TERM ENDING:
Dona Gussow	Systems Specialist, Florida Power and Light	December 31, 2000
Vacancy		December 31, 2000
Lee Smith	Vice President Gas Supply, Midland Cogeneration Venture	December 31, 1999
Diane McVicker	Principal Fuel Supply Analyst, Salt River Project	December 31, 1999
Kelly Daly	Partner, Morrison & Hecker, rep. Arizona Public Service Co.	December 31, 1998

LDCS	TITLE AND COMPANY	TERM ENDING:
Mike Novak	Assistant General Manager, National Fuel Gas Distribution	December 31, 2000
Gary Beland	Assistant Vice President, Energy Services, Providence Gas	December 31, 2000
Bill Oppenheim	Manager Gas Acquisition and Pricing, PECO Energy	December 31, 1999
Bob Betonte	Pipeline Products Manager, Southern California Gas	December 31, 1999
Chris Maturo	Manager, Energy Access System Project, NIPSCO Industries	December 31, 1998

PIPELINES	TITLE AND COMPANY	TERM ENDING:
Mike Bray	Vice President Corporate Rates & Regulatory Affairs, Duke Energy-PEPL	December 31, 2000
Paul Love	Director, Electronic Customer Services, Natural Gas Pipe Line of America	December 31, 2000
Norm Walker	Manager Gas Scheduling, El Paso Natural Gas	December 31, 1999
Shelley Corman	Vice President Regulatory Affairs, Northern Natural Gas Co. ¹	December 31, 1999
Dale Davis	Team Leader, Williams Gas Pipelines	December 31, 1998

PRODUCERS	TITLE AND COMPANY	TERM ENDING:
Richard Smith	Director, Regulatory Affairs, Mobil	December 31, 2000
Jerry Hahn	Vice President, Texaco Natural Gas Inc.	December 31, 2000
Bob Wallenhorst	Supervisor of Gas Control, Exxon Company U.S.A.	December 31, 1999
Paul Keeler	Senior Attorney, Burlington Resources	December 31, 1999
Joe Wiley	Mgr. Natural Gas Supply & Transportation, Marathon Oil Co.	December 31, 1998

SERVICES	TITLE AND COMPANY	TERM ENDING:
Jim Buccigross	Director & General Counsel, National Registry of Capacity Rights	December 31, 2000
Keith Sappenfield	Director Marketing Support, NorAm Energy Services	December 31, 2000
Mark Scheel	Manager Governmental Affairs, Dynegy Inc.	December 31, 1999
Carl Caldwell	Manager Energy Practice, Deloitte and Touche	December 31, 1999
Donna Scott	Director Electronic Commerce, Enron Administrative Services	December 31, 1998

¹ Shelley Corman represents Florida Gas Transmission Co., Northern Border Pipeline Co., Northern Natural Gas Co., and Transwestern Pipeline Co.



Gas Industry Standards Board

1100 Louisiana, Suite 4925
Houston, TX 77002

Gas Industry Standards Board **Committees, Subcommittees and Task Forces**

Group

Advisory Committee
Board of Directors
 Annual Plan Committee

 Editorial Review Board
 Process Committee
Executive Committee
 Annual Meeting Subcommittee
 Business Practices Subcommittee

 Allocation Grid Task Force
 Definitions Team
 Triage Group

Common Codes Subcommittee
Communications Subcommittee
Contracts Subcommittee
Cross Contracts Ranking Subcommittee
EBB Internet Implementation Task Force

Electronic Delivery Mechanisms Subcommittee
 Future Technology Task Force
Imbalance Subcommittee
Information Requirements Subcommittee

Interpretation Subcommittee
Technical Subcommittee
 ANSI Compliance Team
Title Transfer Tracking Task Force

Chairs

Comm. Bruce Ellsworth
Terry Ciliske
Selected Board Members and Executive
Committee Officers
Terry Ciliske, Mike Bray
Bill Boswell
Mike Bray
Keith Sappenfield
Norm Walker, Greg Lander, Randy Friedman,
LDC Vacancy, Producer Vacancy
Dale Davis, Jim Buccigross
Jean Ford, Joe Kardas
Norm Walker, Bob Wallenhorst, Greg Lander,
Randy Friedman, LDC Vacancy
Jerry Hahn, Bob Wallenhorst
Jerry Hahn
Jim Buccigross
Sylvia Munson, Donna Scott
Carl Caldwell, Mike Novak, Tammy Hopkins,
Dona Gussow, Paul Keeler
Carl Caldwell
Susan Croley, Carl Caldwell
Jim Buccigross, Dennis LaTour
Norm Walker, Carl Caldwell, Jim Buccigross,
Theresa Hess
Greg Lander
Kim Van Pelt, Denise Breeden
Kim Van Pelt, Denise Breeden
Jerry Hahn, Norm Walker, Diane McVicker, Jim
Buccigross, Bill Oppenheim