GAS INDUSTRY STANDARDS BOARD

EXECUTIVE COMMITTEE MEETING

DECEMBER 17, 1998

GAS INDUSTRY STANDARDS BOARD
GISB EXECUTIVE COMMITTEE MEETING
MEETING MATERIALS
DECEMBER 17, 1998

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GAS INDUSTRY STANDARDS BOARD
GISB EXECUTIVE COMMITTEE MEETING
MEETING MATERIALS
DECEMBER 17, 1998

1. WELCOME AND OPENING REMARKS

- The meeting is held in:

  Where: Consolidated Edison of New York
  4 Irving Place
  New York, New York

- Times are:

  When: December 17 8:30 a.m. to 5:00 p.m.

- The chairman may elect to extend the hours of the meeting if more time is required to complete the agenda.

- For further assistance please reach :

  Veronica Thomason at (713) 757 - 4175

- The officers presiding over the Executive Committee meeting are:

  Mike Bray - Chairman
  Rae McQuade - Executive Director
  Dennis Holbrook - General Counsel

- Transcripts will be available from Jane Copeland, Ak/Ret Reporting, Inc. and can be ordered either during the meeting, or by calling 512-882-9037.

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.

1. ADOPTION OF AGENDA

- The proposed agenda, attached, has been distributed and is available on GISB's home page.
- **The Executive Committee is requested to review the agenda, suggest changes if needed, and vote to adopt the agenda.**

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

December 7, 1998

TO: Executive Committee & Alternates, Posting on the Home Page

FROM: Rae McQuade, Executive Director

RE: **Upcoming Executive Committee Meeting Announcement & Agenda - December 17, 1998**

The Executive Committee will meet in New York at the offices of ConEd on November 19 from 8:30 a.m. to 5:00 p.m. Materials for the meeting will be provided to Executive Committee members shortly and will be posted on the GISB Home Page in the "Executive Committee" area. Below are the meeting arrangements:

WHERE:	Consolidated Edison of New York 4 Irving Place New York New York
WHEN:	December 17, 1998 8:30 a.m. to 5:00 p.m.

Please notify the GISB office by December 13 of your intent to attend so that appropriate meeting arrangements can be made. As always, the chair reserves the right to extend the time of the meeting to ensure that agenda items are addressed. The times indicated on the agenda will be followed to ensure that agenda items are allotted appropriate time slots. Should an agenda item conclude earlier than its stated time slot, the remaining time can be allotted to other agenda items at the discretion of the chair.

I look forward to seeing you in New York City. Please feel free to call if you have any questions or comments.

GISB EXECUTIVE COMMITTEE MEETING
CONSOLIDATED EDISON OF NEW YORK OFFICES, NEW YORK, NEW YORK
PROPOSED AGENDA

THURSDAY, DECEMBER 17, 1998 -- 8:30 A.M. TO 5:00 P.M.

8:30 a.m.	1.	Welcome - Antitrust Guidelines - Welcome to members and attendees - Adoption of Agenda - Adoption of Draft Minutes of November 19, 1998
9:00 a.m.	2.	Title Transfer Standards - Discussion - Vote
Noon		Lunch (to be served on site)
1:00 p.m.	3.	Recommendations on Request Nos. R97086, R97093, R97108B and R98010 - Discussion - Vote
1:30 p.m.	4.	EII General and Nominations Standards - Discussion - Vote
4:00 p.m.	5.	Election of Officers for 1999
4:30 p.m.	6.	Other Business
5:00 p.m.		Adjourn

Gas Industry Standards Board

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Home Page www.gisb.org

Gas Industry Standards Board

Board of Directors for 1998

End User Segment:	Term Ending:
L.G. Brackeen, Vice President, Houston Lighting & Power	December 31, 1998
John Stevens, President & COO, Eastern Utilities Associates	December 31, 1998
Jim Templeton, Principal, Comprehensive Energy Services	December 31, 1998
Norman Davis, Manager Energy Purchases, International Paper	December 31, 1999
Michael Wallace, Assistant General Counsel, American Electric Power	December 31, 1999

Local Distribution Companies Segment:	Term Ending:
Walt DeForest, Sr. V.P., National Fuel Gas Distribution	December 31, 2000
Lee Stewart, President, Energy Transportation Services, Southern California Gas Co	December 31, 2000
Bill Boswell, V.P., Secretary & General Counsel, Peoples Natural Gas	December 31, 1999
Mary Jane McCartney, Sr. V.P., Gas Operations, ConEd	December 31, 1999
Andy Sonderman, Sec. & Gen. Counsel, Columbia Gas Distribution	December 31, 1999

Pipelines Segment:	Term Ending:
Ron Mucci, V.P. & CIO, Williams Gas Pipelines	December 31, 2000
Bob Reid, Vice President, Colorado Interstate Gas	December 31, 2000
Rick Baish, President, El Paso Natural Gas	December 31, 2000
Stan Horton, Chairman & CEO, Enron Gas Pipeline Group	December 31, 1999
Terry McGill, President, Columbia Gulf Transmission	December 31, 1999

Producer Segment:	Term Ending:
Jeff Hutton, Vice President, Cabot Oil and Gas Corporation	December 31, 1998
Tammy Norman, Vice President, U.S. Physical Trading , Amoco	December 31, 1998
Allan Knopp, Director, Regulatory Affairs, Conoco	December 31, 1999
Nancy Laird, Group V.P. Marketing, PanCanadian Petroleum Ltd.	December 31, 1999
Vacancy	December 31, 1999

Services Segment:	Term Ending:
Terry Ciliske, President & CEO, PG&E Texas Energy Company, General Partner of PG&E Texas Industrial Energy, L.P.	December 31, 1998
Tim Janisse, Vice President, Administration, Engage Energy	December 31, 1998
Steve Bergstrom, Exec. Vice President, Dynegy Marketing and Trade	December 31, 1999
Julie Gomez, Vice President, Enron Capital & Trade Resources	December 31, 1999
Greg Lander, President, TransCapacity	December 31, 1999

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Home Page www.gisb.org

Gas Industry Standards Board

Executive Committee for 1998

END USERS	TITLE AND COMPANY	TERM ENDING:
Kelly Daly	Partner, Morrison & Hecker, rep. Arizona Public Service Co.	December 31, 2001
Dona Gussow	Systems Specialist, Florida Power and Light	December 31, 2000
Tina Patton	Natural Gas Operations Administrator, Boeing	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

LDCS	TITLE AND COMPANY	TERM ENDING:
Chris Maturo	Manager, Energy Access System Project, NIPSCO Industries	December 31, 2001
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

PIPELINES	TITLE AND COMPANY	TERM ENDING:
Dale Davis	Team Leader, Williams Gas Pipelines	December 31, 2001
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

PRODUCERS	TITLE AND COMPANY	TERM ENDING:
Joe Wiley	Mgr. Natural Gas Supply & Transportation, Marathon Oil Co.	December 31, 2001
Richard Smith	Director, Regulatory Affairs, Mobil	December 31, 2000
Vacancy		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

SERVICES	TITLE AND COMPANY	TERM ENDING:
Donna Scott	Director Electronic Commerce, Enron Administrative Services	December 31, 2001
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

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

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Houston, Texas, 77002
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November 23, 1998

1999 Calendar of Board of Directors Meetings

DAY	DATE	LOCATION
Thursday	March 4, 1999	Houston
Thursday	June 3, 1999	Houston
Wednesday	September 29, 1999	San Antonio
Thursday	December 2, 1999	Houston

Gas Industry Standards Board

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November 23, 1998

1998/1999 Calendar of Executive Committee Meetings

DAY	DATE	LOCATION
Thursday	December 17, 1998	New York
Thursday/Friday	January 21/22, 1999	Colorado Springs
Thursday/Friday	March 18/19, 1999	Houston
Thursday/Friday	May 20/21, 1999	Washington, DC
Thursday/Friday	July 15/16, 1999	Las Vegas
Thursday/Friday	September 16/17, 1999	Houston
Thursday/Friday	November 18/19, 1999	New York

1. ADOPTION OF MINUTES

- The minutes of November 19, 1998 were posted on the home page for review and are included in these materials for vote to adopt.
- **The Executive Committee is requested to review the draft minutes, suggest changes if needed, and vote to adopt as minutes of the meeting.**

GAS INDUSTRY STANDARDS BOARD

Executive Committee Meeting

November 19, 1998 -- 8:00 a.m. to 5:30 p.m.

Questar Offices, Salt Lake City, Utah

DRAFT MINUTES

I. Introductory Items

Mr. Bray welcomed the attendees and the Executive Committee (EC) members to Salt Lake City and thanked Questar for hosting a week of GISB meetings, and made introductory remarks. The attendees introduced themselves. Mr. Holbrook reviewed the antitrust guidelines. The announcement of elections for EC members for terms beginning January 31, 1999 and ending December 31, 2001 was made: . Mr. Bray read a letter provided by Mr. Hahn regarding his resignation from Texaco and GISB and thanked Mr. Hahn for his leadership. Mr. Bray also noted that it is his intention not to run as chair for 1999. He asked that tickets be formed of chairs and vice-chairs, and Ms. McQuade will send out notice of request for candidate teams shortly. The election will be held at the December EC meeting. Mr. Bray also noted that during December, after both the Board and EC meetings, an Order No. 587-I progress report will be sent to the FERC.

The agenda was adopted unanimously with changes to revise item nos. 5 and 6, and to add an item to shorten the recommended standards industry comment window for those items to be sent out for comment in November for EC vote in December. The calendar for the EC for 1999 and the proposed three month calendar of EC subcommittee and task force meetings was reviewed. It was noted that if the EC only used one of the two days scheduled, it would use Thursday and Friday would be a "free" day, not to be used for further scheduling of meetings. Chairs of the subcommittees and task forces were asked to contact the GISB office in the next few days if the calendar required changes. The EC meeting in November was changed to November 11/12, and the EII meetings were moved to Tuesdays/Wednesdays from the Mondays/Tuesdays noted on the calendars. The minutes were adopted with changes.

For a full accounting of the discussion from today's meeting, the transcripts should be ordered from Jane Copeland of Ak/Ret Reporting.

II. Proposed Interpretations and EII General Standards

For Request No. **C98008**, after minor corrections, the recommended interpretation was adopted unanimously:

C98008 Request

When a Transportation Service Provider has posted a particular Offer, Bid, or Award (as identified by its “number”) and then any one or more of the values, contained within: a) the quantity(ies) data elements, b) rate data elements, c) any of the date/time elements (i.e., effective begin/end dates, award dates, bidding period dates, etc.), d) location data elements, or e) data elements containing codes for the parties to that Offer, Bid or Award, is different in a subsequent posting of information on that Offer, Bid, or Award,

shouldn't the value of the ANSI ASC X12 transaction set purpose code data element be the code associated with “change” (Offer) or “re-submission” (Award)?

Interpretation Text:

It is misleading and unclear to communicate information that was previously posted, and has been subsequently revised and re-posted, with a code value that states that the information is "original". Once a capacity release transaction has been posted, where there is a change to any value contained in particular offer, bid, or award, and the revised transaction has been posted, the value of the ANSI ASC X12 transaction set purpose code data element should denote that the data set contains a revision(s).

In the GISB Capacity Release Related Implementation Guides, the following values are available to populate the ANSI ASC X12 transaction set purpose code data element :

Data Set		Segment	ANSI ASC X12 Code Value	Description
Offer	(5.4.1)	BQT	00	Original
Offer	(5.4.1)	BQT	04	Change
Bid	(5.4.2)	BQR	00	Orginal
Bid	(5.4.2)	BQR	04	Change
Award	(5.4.3)	BQR	06	Confirmation
Award	(5.4.3)	BQR	15	Re-submission

For Request No. **C98009** after discussion the recommended interpretation was adopted unanimously with no changes:

C98009 Request

Request clarification related to the use of only central clock time values in the date/time data elements for all Capacity Release related datasets (e.g. Offers, Bids, Awards, Upload to Pipeline of Prearranged Deal, UPPD Validation, Bidder Confirmation, Final Disposition, Operational Available, Unsubscribed FT, and Critical Notices). Should all time values be provided as central clock time?

Interpretation Text:

Yes, all values contained within date/time data elements should be central clock time values. GISB Standards version 1.2 et. seq. removed the time zone qualifier for all date/time data elements. GISB Standard No. 5.3.2 expresses that the time deadlines in Capacity Release data sets should be in central clock time. GISB business standards universally express that central clock time should be used. There are no longer any time zone qualifiers within the datasets and therefore only time values which are central clock time should be present. In addition, GISB Standard No. 1.3.1 expresses that the standard time for gas day should be expressed in central clock time (i.e., 9 a.m. - 9 a.m. Central Clock Time).

Mr. Caldwell described the process used and the reasons for bringing forward the **EII general standards** as recommended by the EII Task Force (EII) at this time. No comments were filed as a result of the industry comment period. Mr. Hartmann made the motion which was seconded to discuss these general or foundational standards in today's meeting but postpone any vote to adopt until the December meeting. There were comments made by several members both to the benefits of delaying the vote to December versus the disadvantages of delaying the vote. The standards were characterized as basic infrastructure. The motion failed through a simple majority vote of 7 to 14.

The motion was made to adopt the EII recommended standards with changes as requested both during the meeting and through a work paper presented. After discussion, the motion to adopt the standards failed through a "17/2" vote of 17 to 5 -- the motion failed to get at least two affirmative votes from the producer segment. After a break, a straw vote was taken to note support for the general

standards as modified today, but the standards will be voted officially in conjunction with the nominations standards in December. The straw vote passed unanimously.

The timeline modifications were discussed by Mr. Caldwell, as shown below with modifications (excerpted from the 10/16/98 EII minutes and modified during the discussion):

Function	EII *	EC	Member Approval	Implementation Following Member Approval **
General	11/04/1998	12/17/1998	01/1999	
Nominations	11/20/1998	12/17/1998	01/1999	8 months
Flowing Gas	12/18/1998	01/22/1999	02/1999	9 months
Invoicing	03/1999	05/21/1999	06/1999	10 months
Capacity Release	05/1999	07/16/1999	08/1999	11 months
Contracts	11/1999	12/1999	01/2000	9 months

However no implementation should be between November 2, 1999 and March 31, 2000 for Y2K and seasonal considerations. If the date falls within this range, implementation would occur in April 2000.

* The dates represent the completion of standards related to existing datasets. The dates do not include the completion of requests submitted for additional data elements, code values or new transaction sets necessary to complete the full transition to the Internet of the functions listed. Those items not standardized by the completion date should be implemented as an interim using proposed standard [S21]. This a change from what had been previously included in the dates for completion on the original EII plan.

** The effective date for starting the calculation on implementation following member approval would occur at the beginning of the month of the ratification. An example would be for nominations, ratification would conclude January 17, 1999 and implementation would occur September 1, 1999.

The motion was made to adopt the above timeline and passed unanimously as a procedural vote. The motion was made to adopt a shortened comment window of three weeks. The procedural motion was adopted unanimously. Ms. Hess noted that the Information Requirements Subcommittee (IR) has 13 requests through the normal triage process and 16 EII requests on their agenda. She asked if the EC would prefer prioritizing these requests or would they rely on IR to define the priority in which the requests are addressed. Outstanding back log of items not from EII should be acted upon first, and EII requests to IR should be reviewed for priority at the December 1999 EC meeting. A motion was made and adopted unanimously through a procedural vote for comprehensive list of outstanding items in IR, both the original 13 items and the EII items to be prepared and forwarded to the EC prior to the December meeting. The IR chairs will provide some estimate of time for the original 13 items. During the December meeting, the EC will determine if priorities should be defined.

III. New Requests

The motion was made to find Request Nos. R98047 to R98062 within scope. In response to questions, it was noted that pre-approved bidder list should be reflected in Request No. R98049, and TransCapacity will resubmit the request. For Request No. R98058, regarding voluntary GRI payments, the direction of flow of the information seems to be backward and to place the information only on the invoice is limiting -- it should reflect the payment remittance as the shipper decides the amount. Discussion returned to Request No. R98049. Concern was raised on the credit status of the requester as specified in Request No. R98049. After discussion, the submitter withdrew Request No. R98049. Due to lack for time to review the Request No. R98061 to R98062 will be considered at a later time. The motion was modified to find Request Nos. R98047 to R98060 within scope, excluding R98058. The motion

passed unanimously. The motion was made to forward Request No. R98058 to IR with normal priority, which passed unanimously.

IV. Common Codes

For the common location code, Board members Ms. McCartney and Ms. Laird are reviewing the six proposals for Common Code Assignor for common location codes that were forwarded as a result of the RFP distributed. A set of questions were forwarded to some of the proposal submitters to put all of the proposals on a comparative basis and the proposals will be reviewed again by them on November 20. The decision should be made shortly.

For the common business entity code, Board members Mr. Lander and Mr. Mucci are working to resolve the issues surrounding the D&B association of codes with names through a central repository. There are several short term solutions available and all are being considered. The group is also pursuing long term solutions. The complication is the negotiation with D&B regarding the costs to be assessed to either the data providers for data cleanup or to the data users for access. This is considered a very high priority for resolution by the Board. A letter was sent to the FERC regarding information on the status of our work with Dun & Bradstreet, which was considered by the FERC as they reviewed and extended several waivers. GISB will be filing an update status report with the FERC in January regarding this matter, at the FERC's request.

VI. Cross Contracts Ranking

Ms. Scott reviewed the plan and answered questions. The Cross Contracts Ranking Subcommittee (XKR) expects to bring standards forward to the EC in May. After EC adoption of business practice standards, work will progress through IR and the Technical Subcommittee for technical implementation of the standards. XKR will not disband in May, but will be available for questions as work progress through these subcommittees. XKR should be fully addressed through all committees by the end of 1999. The EC voted unanimously to support the plan as presented and discussed.

V. 1999 Annual Plan

Several suggested changes were made to the 1999 Annual Plan which will be forwarded to the Board of Directors (see attached). The changes reflect completion date changes for EII as addressed previously in the minutes, XKR as addressed above, and inclusion of two items that will not be completed as envisioned by the end of 1998 (Allocation Grid and Critical Notices). The suggested changes and the plan were endorsed unanimously by the EC as a recommendation to the Board.

VIII. Title Transfer Tracking

Ms. McVicker and Mr. Buccigross continued the discussion from the previous meeting on title transfer tracking recommendations. Below is the language isucssed and amended at the meeting. The previous meeting minutes note the standards language for recommended definitions D1 through D7, principles P1 and P2, and standards S1 through S9.

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 pro rata 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. If, in the future, the common code for locations central repository includes listing of TTTSPs by location, the requirements of this standard may be met.

S13 A party to a transaction should nominate, or otherwise communicate in a mutually agreeable manner, 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). Failure to so act can result in the failure of the subject transaction to be communicated to the Transportation Service Provider (TSP) and scheduled by the TSP. A Confirming Party may communicate with its party and/or the immediate 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)' immediate 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 or receiving of such transmittals by such party's authorized agent.

Several language alternatives were identified but not considered final language for S15. Discussion on S15 was tabled as a result of the inability of the committee to support any single set of language. The alternatives considered were:

- At locations where OBAs exist, but where Service Requesters do not have commercially reasonable access to Title Transfer Tracking (TTT) activity with respect to that location, Transportation Service Providers should, upon request, enable TTT activity.
- Where pre-existing pooling points or locations which support Title Transfer Tracking (TTT) activity do not exist or are not accessible, Transportation Service Providers (TSPs) should, upon request, establish pooling points (logical or physical) where OBAs exist, or establish accounts, for the purpose of enabling TTT activity.
- At locations (logical or physical) where an OBA is in effect and where Title Transfer Tracking (TTT) services do not exist, Transportation Service Providers (TSPs) should upon request, establish these locations for the purpose of enabling TTT activity.
- At locations (logical or physical) where an OBA is in effect and where Title Transfer Tracking (TTT) services do not exist, Transportation Service Providers (TSPs) should upon request, establish pooling points at, or with respect to, these locations for the purpose of enabling TTT activity.
- Where pre-existing pooling points supporting Title Transfer Tracking (TTT) activity do not exist or are not accessible, Transportation Service Providers (TSPs) should, upon request establish pooling locations at or with respect to these locations (logical or physical) for the purpose of enabling TTT activity. At locations (logical or physical) where an OBA is in effect and where Title Transfer Tracking (TTT) services do not exist, Transportation Service Providers (TSPs) should upon request, enable TTT activity at these locations.
- Where pre-existing pooling points supporting Title Transfer Tracking (TTT) activity do not exist or are not accessible, Transportation Service Providers (TSPs) should, upon request establish pooling locations at or with respect to these locations for the purpose of enabling TTT activity. TSPs may restrict availability of such pooling points to those points where an OBA is in effect. Further, TSPs may non-discriminatorily restrict such pooling points to system receipt points/zones or system delivery points/zones so long as transportation access to such pooling points is generally equivalent.

Discussion then returned to the recommendations and modifications to the language:

S16 With respect to Title Transfer Tracking activity, 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 similarly situated 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.

1.3.2 The changes in the timeline were withdrawn as part of the package of standards.

S15 A Transportation Service P should, upon request, enable TTT activity at a location where an OBA exists, unless access to TTT activity is reasonably available at a relatively proximate alternate location.

The recommended standards will be discussed and voted on at the December EC meeting. They will be placed first on the agenda after normal administrative items.

VIII. Adjourn

Meeting adjourned at 6:05 p.m. The EC meeting in December is scheduled for December 17 to be hosted by ConEd in New York.

Attachments:
1. Attendance
2. Voting Record
3. Title Transfer Tracking Recommended Standards Language as of October 16, 1998
4. Recommended 1999 Annual Plan
5. Recommended Standards Reviewed by the EC from the EII Task Force

Attendance

	SEGMENT	PRESENT	MEMBER/ALTERNATE
Executive Committee:	END USERS:	✔	Tina Patton
		✔	Joel Greene for Lee Smith
		✔	Diane McVicker
		✘	Kelly Daly
		✔	Dona Gussow
	LDCs:	✔	Bill Oppenheim
		✔	Bob Betonte
		✔	Dolores Chezar for Gary Beland
		✔	Chris Maturo
		✔	Mike Novak
	PIPELINES:	✔	Mike Bray
		✔	Dale Davis
		✔	Paul Love
		✔	Shelley Corman
		✔	Norm Walker
	PRODUCERS:	✘	Vacancy
		✔	Terry McRae for Terry McRae
		✔	Joe Wiley
		✔	Paul Keeler
		✔	Tommie Hartmann for Bob Wallenhorst
	SERVICES:	✔	Carl Caldwell
		✔	Donna Scott
		✔	Jim Buccigross
		✔	Mark Scheel
	.	✘	Keith Sappenfield

Administrative:	Rae McQuade	- Executive Director
	Veronica Thomason	- GISB Staff
	Dennis Holbrook	- General Counsel
	Jane Copeland	- Ak/Ret Reporting

Attendance (Continued)

Name	Company	Email	Member ?
Aschbrenner, Clancy	Colorado Interstate Gas	clancy.aschbrenner@coastalcorp.com	✔
Barnett, Sandra	Koch - Mobile Bay	barnetts@kochind.com	✔
Bianchi, Joe	ANR Pipeline	joseph.bianchi@coastalcorp.com	✔
Breeden, Denise	Tennessee Gas Pipeline	breedend@epenergy.com	✔
Ford, Jean	Andersen Consulting	mmbtu@ibm.net	✔
Fyock, Les	American Gas Association	lfyock@aga.com	
Gracey, Mark	Tennessee Gas Pipeline	graceym@epenergy.com	✔
Hailstone, Mitch	Defense Energy Support Center	mhailstone@desc.dla.mil	✔
Hansen, Michael	Columbia Gulf	mrhansen@columbiaenergygroup.com	✔
Hansen, Scott	Questar Pipeline	scotth@qstr.com	✔
Hess, Theresa	Enron - Transwestern	thess@enron.com	✔
Hollyer, Pete	Altra Streamline	phollyer@atranet.com	✔
Hopkins, Tammy	Enron - Florida Gas Transmission	thopkins@enron.com	✔
Kardas, Joe	National Fuel Gas Supply	kardasj@natfuel.com	✔
Keeler, Jon	Great Lakes Gas Transmission	jkeeler@glgt.com	✔
Keisler, Jim	Transco	jim.e.keisler@wgp.twc.com	✔
King, Iris	CNG Transmission	iris_g._king@cngt.cng.com	✔
Lander, Greg	TransCapacity	exec@tcapserv.com	✔
Maudlin, Stuart	Sabre	stuart.maudlin@sabre.com	✔
McDougal, Prince	Southern Natural Gas	prince_mcdougal@sonat.com	✔
Schmitt, Gray	Questar Pipeline	garysc@qstr.com	✔
Schubert, Ken	TransCanada Pipelines	ken_schubert@tcpl.com	✔
Shahan, Mike	CNG Distribution	mshahan@cngt.cng.com	✘
Spangler, Leigh	Latititude Technologies	lspangler@latitudetech.net	✔
Tillson, Laverne	Defense Energy Support Center	ltillson@desc.cla.mil	✔
Unruh, Julie	Koch Gateway	unruhj@kochind.com	✔
Van Pelt, Kim	Duke - Texas Eastern	kvanpelt@duke-energy.com	✔
Whatley, Pete	Dynegy Power	pcwh@dynegy.com	✔
Yarbrough, Magan	Duke Energy - Trunkline	msyarbrough@duke-energy.com	✔
Young, Randall	Koch Gateway	young0@kochind.com	✔
Zobell, Randy	Questar Pipeline	randyz@qstr.com	✔

Please note that non-members do not accrue membership benefits. If an individual signs in as a non-member in any GISB meeting, that status remains in force until written correspondence is received from the CEO of the company noting that the individual's representation had changed to represent a member company. Associations are not members.

EXECUTIVE COMMITTEE VOTING RECORD - OCTOBER 15, 1998

RECOMMENDED STANDARDS AND INTERPRETATIONS

INDUSTRY SEGMENT	EXECUTIVE COMMITTEE MEMBER	C98008	C98009	EII General Standards
End User	Dona Gussow	✔	✔	✔
	Tina Patton	✔	✔	✔
	Diane McVicker	✔	✔	✔
	Joel Greene	✔	✔	✔
	Kelly Daly			
Producer	Terry McRae	✔	✔	✕
	Paul Keeler	✔	✔	✕
	Tommie Hartmann	✔	✔	✕
	Joe Wiley	✔	✔	✕
	Vacancy			
Pipeline	Paul Love	✔	✔	✔
	Dale Davis	✔	✔	✔
	Shelley Corman	✔	✔	✔
	Norm Walker	✔	✔	✔
	Mike Bray	✔	✔	✔
Services	Jim Buccigross	✔	✔	✔
	Carl Caldwell	✔	✔	✔
	Mark Scheel	✔	✔	✕
	Donna Scott	✔	✔	✔
	Keith Sappenfield	✔	✔	
LDCs	Dolores Chezar	✔	✔	✔
	Mike Novak	✔	✔	✔
	Bill Oppenheim	✔	✔	✔
	Chris Maturo	✔	✔	✔
	Bob Betonte	✔	✔	✔
Results	Pass/Fail	PASS	PASS	FAIL
	Type of Vote	17/2	17/2	17/2
	Member Ratification?	YES	YES	NO

NEW DEFINITIONS

D1 "Title", if not otherwise addressed in the transporter's contract or tariff, is the term used to identify the ownership of gas.

D2 Title Transfer is the change of title to gas between parties at a location.

D3 Title Transfer Tracking is the process of accounting for the progression of title changes from party to party that does not effect a physical transfer of the gas.

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.

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.

NEW PRINCIPLES

P1 [Previously part of S6]

All Title Transfer Tracking Service Providers should offer their Title Transfer Tracking services without undue discrimination.

P2 [Previously S10]

Title transfers into and/or out of a Title Transfer Tracking Service Provider should be able to occur regardless of the service class of any related transportation.

NEW STANDARDS

S1 The Transportation Service Providers (TSP) should be responsible for accommodating Title Transfer Tracking services at all points identified by the TSP as pooling points, where title transfer tracking services are requested.

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 also be utilized with Title Transfer Tracking Service Providers within the TSP's system.

S3 deleted and combined with S4

S4 All Third Party Account Administrators (3PADS) wishing to provide title transfer tracking services shall so notify the Transportation Service Provider (TSP). All coordination between 3PADS and a TSP should be performed under a contract between the parties. Where the TSP is a Title Transfer Tracking Service Provider 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 or with respect to a location (physical or logical).

S6 All Title Transfer Tracking services should be performed under a contract or other arrangement between the Account Holder and their Title Transfer Tracking Service Provider.

S7 A Transportation Service Provider (TSP) should communicate with any Title Transfer Tracking Service Provider (TTTSP) that performs according to the applicable contract between the TTTSP and the TSP, and that operates in accordance with those GISB standards applicable to Title Transfer Tracking.

S8 Title Transfer Tracking should be conducted using existing applicable data sets.

S9 A Transportation Service Provider (TSP) may operate in a manner such 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 (GISB Standard No. 2.4.3) 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.

GAS INDUSTRY STANDARDS BOARD
1999 DRAFT ANNUAL PLAN WITH RECOMMENDED CHANGES
FROM THE EXECUTIVE COMMITTEE, NOVEMBER 20, 1999

	ITEM DESCRIPTION	STATUS	SCHEDULED COMPLETION DATE[1]
	Web Page Standards and Transition of EBBs to Internet		
1	Nominations Related Standards - EDI, Web Sites, Flat Files		First Qtr 1999
2	Flowing Gas Related Standards - EDI, Web Sites, Flat Files		First Qtr 1999
3	Invoicing Related Standards - EDI, Web Sites, Flat Files		Second Qtr 1999
4	Capacity Release Related Standards - EDI, Web Sites, Flat Files		Third Qtr 1999
5	Contracts Related Standards - EDI, Web Sites, Flat Files		First Quarter 2000
	Common Codes		
6	Common Codes Reference for Business Parties & Locations		Second Quarter 1999
	Finish Work of Open Issues -- Carry over Projects from 1998		
7	Imbalance netting standards		First Quarter 1999
8	Ranking Across Contracts		Fourth Quarter 1999
9	Critical Notices		Fourth Quarter 1999
10	Multi-tiered Allocations -- Allocation Grid		Second Quarter 1999
	Program of Standards Maintenance		
	Nominations & Capacity Release		Fourth Quarter 1999
	Ongoing Interpretations for Clarifying Language Ambiguities		Ongoing
	Ongoing work on Code Values and Other Technical Matters		Ongoing

[1] Dates in the completion column are by end of the quarter for member ratification. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

POTENTIAL PROJECTS FOR CONSIDERATION FOR THE 2000 ANNUAL PLAN

	PROJECT DESCRIPTION
1	Contracts Request No. R98019 -- Development of a Standard Long Term Base Contract for Purchase and Sales of Natural Gas
2	Others may be added for consideration for 2000.

	Rev. Std.	Meeting Date	Language	Date of Review	Status
			REVISIONS TO EXISTING STANDARDS		
	4.2.7	16-Oct-98	"Navigational Area" is the term used to describe the area on the left side of the browser display providing links to the Content Area and other navigational links. Navigational Area is not required to be displayed on Customer Activities Web pages where data entry, reporting or inquiry are displayed.	11-13	c 10-18
	4.3.34	1-Oct-98	Columns and data fields that would contain data not supported by the Transportation Service Provider should be eliminated on display and/or entry, and left empty on download.	10-12	c 10-18
			NEW DEFINITIONS		
d 1		14-Aug-98	"Standard Client Configuration" is the term used to describe the configuration that allows simultaneous access to multiple industry Web sites.	9-11, 10-12	c 10-18
d 2		14-Aug-98	“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.	9-11	c 10-18
d 3		20-Aug-98	"GISB EDI/EDM" is the term used to describe ANSI ASC X12 computer-to-computer electronic data interchange of information in files as mapped from the x.4.z GISB standards in the GISB Implementation Guides and communicated between trading partners over the Internet using the GISB Electronic Delivery Mechanism.	9-11, 10-12	c 10-18
d 4		20-Aug-98 2-Nov-98	"GISB FF/EDM" is the term used to describe a standardized flat file electronic data interchange of information in files as mapped from the x.4.z GISB standards. GISB FF/EDM is communicated between trading partners over the Internet using the GISB Electronic Delivery Mechanism.	9-11, 10-12, 11-13	c 10-18
d 5		20-Aug-98	'GISB EBB/EDM' is the term used to describe the GISB standardized electronic interchange of information for Customer Activities Web site presentations. GISB EBB/EDM is communicated between trading partners over the Internet using the GISB Electronic Delivery Mechanism for GISB EBB/EDM.	9-11, 10-12	c 10-18
d 7		17-Sep-98	“Header” is the term used to describe the area at the top of the Content Area of the browser display.	10-12	c 10-18

	Rev. Std.	Meeting Date	Language	Date of Review	Status
d 8		17-Sep-98	"Detail" is the term used to describe the area directly below the Header in the Content Area of the browser display.	10-12	c 10-18
			NEW PRINCIPLES		
p 1		14-Aug-98	Web site standards should not preclude various levels of user response and inter-activity. Minimum levels of user response or inter-activity should be developed.	9-11	c 10-18
p 2		14-Aug-98	Web site standards should not dictate or limit back-end development technology or systems. Industry Web sites should be accessible by a Standard Client Configuration.	9-11, 10-12	c 10-18
p 3		14-Aug-98	A standardized Web site navigational structure should be developed to provide access to business functions. The hierarchical relationship, structure and order for navigation on the Web site should be established in a standardized manner.	9-11	c 10-18
p 4		14-Aug-98	Additional Informational Postings under Standard No. 4.3.6 which are not yet standardized for Web sites should be communicated over the Internet via a "'common look and feel" standardized Web page.	9-11	c 10-18
p 5		14-Aug-98	Customer Activities Web sites should be designed for ease of user interaction.	9-11	c 10-18
p 6		14-Aug-98	There should generally be a one-to-one relationship between data elements used for EDI and/or flat files and the data displayed on Customer Activities Web pages.	9-11	c 10-18
p 7		14-Aug-98	Standard field name descriptors or abbreviations, and navigation and functional screen layouts should be used on all Customer Activities Web pages. There should be no standards for font size, colors, etc. Functional screen layouts should be developed as standards which would divide each transactional screen into separate areas and define which data elements belong in each specific area.	9-11	c 10-18
p 8		20-Aug-98	Information that is constant for the displayed Content Area may be placed in the page Header.	9-11	c 10-18
p 9		20-Aug-98	Data elements that have default values may be placed last to minimize scrolling.	9-11	c 10-18
p 11		20-Aug-98	There is displayed information on Customer Activities Web sites which does not have a comparable data element in EDI; however, the data (e.g. totals, reports, calculations) is derived from other EDI data elements. Provision of such information does not require the development of an EDI data set to accomplish a one-to-one match. However, any Customer Activities Web function should be derivable from information available in EDI data sets.	9-11	c 10-18

	Rev. Std.	Meeting Date	Language	Date of Review	Status
p 12		3-Sep-98	When standardized, all elements used in standard EBB/EDM, EDI/EDM and FF/EDM should be defined in the related GISB x.4.z standard.	10-12	c 10-18
p 13		3-Sep-98	For GISB FF/EDM, the content and usage of flat files should reasonably correspond to the GISB data sets used for GISB EDI/EDM.	10-12	c 10-18
p 14		3-Sep-98	If GISB FF/EDM is implemented, flat files should be exchanged via the GISB EDI/EDM site or the Customer Activities Web site.	10-12	c 10-18
p 15		17-Sep-98	Trading partners should maintain redundant connections to the public Internet for GISB EDM Web sites. These redundant connections should be topographically diverse (duality of) paths to minimize the probability of a single point of failure.	10-12	c 10-18

NEW STANDARDS

s 1		14-Aug-98	Internet protocols should be used for accessing all industry business functions.	9-11	c 10-18
s 2		14-Aug-98	Web browser interface should use Internet compatible common browser software.	9-11	c 10-18
s 3		14-Aug-98	Industry Web sites should be accessible via the public Internet using common browser software.	9-11	c 10-18
s 4		14-Aug-98	Each implementation of a current proprietary business function category on EBBs should remain available until such time as that business function category is tested and implemented via a Customer Activities Web site.	9-11	c 10-18
s 5		14-Aug-98	Standard navigation should be used to access all business functions on industry Web sites.	9-11	c 10-18
s 6		14-Aug-98	Navigation through the industry Web site menus should be consistent for location and technique.	9-11	c 10-18
s 7		14-Aug-98	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.	9-11	c 10-18

	Rev. Std.	Meeting Date	Language	Date of Review	Status
s 13		14-Aug-98	A Customer Activities Web page may display information (data elements and code values) from multiple functionally related EDI data sets (i.e. nominated quantities and scheduled quantities may appear on the same Web screen).	9-11, 10-12	c 10-18
s 14		14-Aug-98	GISB standard code value descriptions should be displayed for code values where appropriate.	9-11	c 10-18
s 15		20-Aug-98	The Customer Activities Web Site should include the name, nickname, or name abbreviation of the Transportation Service Provider in the browser title bar. The name of the business function should be displayed in the Header.	9-11, 10-12	c 10-18
s 16		20-Aug-98	Where they exist for the same business function, flat files and EDI should use the same nomenclature for data set names, data element names, code values and/or code value descriptions, abbreviations and message text. Corresponding Web pages should use data set names, data element names, code value descriptions, abbreviations and message text that correspond to those used in flat files and EDI, where they exist.	9-11	c 10-18
s 17		20-Aug-98	Totals, when appropriate, should be displayed within the Content Area of the Web page in a manner which distinguishes them from the data.	9-11	c 10-18
s 18		20-Aug-98	Where navigation and/or processing functions exist for a Customer Activity, the Content Area should contain navigation in the Header on the left and processing functions in the Header on the right.	9-11, 10-12	c 10-18
s 19		20-Aug-98	Navigation for input data lookups, if provided, should be placed near the field being looked up. Navigation for informational lookups, if provided, should be included in the Header.	9-11, 10-12	c 10-18
s 20		20-Aug-98	GISB Common Codes for entity and location should be available for data validation or selection (viewing) on a Customer Activities Web site and in a standardized downloadable format for use by customers and third party service providers. Cross-references to proprietary codes may be provided on a mutually agreeable basis.	9-11, 10-12	c 10-18

	Rev. Std.	Meeting Date	Language	Date of Review	Status
s 21		17-Sep-98	A Transportation Service Provider (TSP) which determines to provide new features utilizing existing transaction sets via GISB EBB/EDM, for each transaction upon inception of support for such service, should: • If GISB EDI/EDM or FF/EDM standards exist for the transaction set, provide the service via EDI/EDM, or FF/EDM or both, utilizing modifications defined by the TSP to the existing file structures; and, • Submit a request for modification or enhancement of the transaction set to GISB including details of the interim EBB/EDM, EDI/EDM and/or FF/EDM implementation.	11-13	c 10-18
s 22		3-Sep-98	Where a Transportation Service Provider (TSP) utilizes a subset of available GISB code values for specific data elements for inbound documents to the TSP, the TSP should make available a list of the supported code values in a download utilizing a GISB electronic format.	10-12	c 10-18
s 23		3-Sep-98	With regard to navigational links on Customer Activities Web sites, when using abbreviations, the following should be used: [Please refer to the table in the appendix for the abbreviations]	10-12	c 10-18
s 29		3-Sep-98	Where display information on a Customer Activities Web site is derivable from data provided in a previous upload or download, the information should not be included in the EDI/EDM standards [or FF/EDM standard, for later consideration] that directly correspond to the EBB/EDM Web page being displayed.	10-12	c 10-18
s 30		17-Sep-98	The industry should use common codes for location points and legal entities when communicating via EDI/EDM, EBB/EDM and/or FF/EDM. The corresponding common code name should also be used in EBB/EDM.	10-12	c 10-18
s 31		17-Sep-98	Customer Activities Web pages should support entry of the maximum length for valid data, however, display can be done in a manner to minimize left to right scrolling.	10-12	c 10-18
s 32		17-Sep-98	On Customer Activities Web pages, informational display fields can be displayed with related data.	10-12	c 10-18

	Rev. Std.	Meeting Date	Language	Date of Review	Status
s 33		17-Sep-98	Providers of Customer Activities Web sites should ensure that the site operates within the guidelines of the "Technical Characteristics of the Client Workstation" described in the Appendix of the Electronic Delivery Mechanism Related Standards Manual. This appendix, listing examples of hardware and software configurations that providers should meet, should be reviewed and updated by the Future Technology Task Force, at a minimum, by the spring of each year and presented to the GISB Executive Committee for adoption by the June meeting of that committee.	10-12	c 10-18
s 34		17-Sep-98 2-Nov-98	Access to the Customer Activities Web Site should be protected by HTTP Basic Authentication or similar logon/password mechanism(s). A Customer Activities Web site should typically require a single logon/password pair for each user session.	10-12 11-13	c 10-18
s 35		17-Sep-98	At a minimum, data communications for Customer Activities Web sites should utilize 40-bit encryption. Where possible, 128-bit encryption is strongly recommended.	10-12	c 10-18
s 36		17-Sep-98	Custom downloadable modules presented by a Customer Activities Web site should be signed by the author. The signatures on these modules should be communicated in advance to Web site users.	10-12	c 10-18
s 37		17-Sep-98	In the Navigational Area of the Informational Postings Web Site, the navigational link for "Customer Activities" should appear directly above the navigational link for "Site Map."	10-12	c 10-18
s 38		17-Sep-98	Private network connections to GISB EDM Web sites which include all GISB standardized Internet communication may be at any point on the Transportation Service Provider's (TSP's) firewall boundary at the TSP's discretion on a non-discriminatory access basis. The specific type and speed of these connections should be mutually agreed. It is at the discretion of the TSP on how multiple private network connections should be managed, so long as such management is done on a non-discriminatory access basis. TSPs are not responsible for any additional security exposures when using these private network connections.	10-12	c 10-18
s 42		1-Oct-98	The Transportation Service Provider's Customer Activities Web Site should include the name, nickname, or name abbreviation of the parent company and/or Transportation Service Provider so that it will appear first in the browser title bar.	10-12	c 10-18

	Rev. Std.	Meeting Date	Language	Date of Review	Status
s 48		16-Oct-98	A Transportation Service Provider which determines to provide new services which do not utilize existing transaction sets via GISB EBB/EDM, should, prior to implementation, submit a request for standardization to GISB including descriptions of the EBB/EDM, EDI/EDM and, as applicable, FF/EDM implementation.	11-13	c 10-18
s 49		16-Oct-98	On Customer Activities Web sites, information which is not part of a data dictionary may be displayed.	11-13	c 10-18

2. PROPOSED STANDARDS - TITLE TRANSFER TRACKING

- A set of recommended standards from the Title Transfer Tracking Task Force is presented here for discussion and adoption by the Executive Committee. THe recommended standards were reviewed by the Executive Committee in prior meetings on October 15 and November 19. Language changes resulting from those meetings are also attached. The votes necessary for adoption are at least 17 votes in favor, with at least 2 votes in favor from each segment.
- The recommended standards and comments and minutes of the task force meetings can be accessed from the GISB home page.
- A ballot is attached which can be faxed into the GISB office if you are unable to attend the meeting on December 17. If you send in a ballot, you are voting on the recommendations as presented in these materials rather than any changes which may be agreed upon during the meeting on December 17.
- **The Executive Committee is asked to consider the requests and proposed standards (subcommittee and task force recommendations), and comments filed for each of the above requests and vote on them at a "17 and 2" level**[1]
- **The Executive Committee members who are not able to attend this meeting, and who have not asked an alternate to vote for them, are asked to complete the attached ballot and forward it to the GISB office no later than end of business December 15.**

[1]The "17 and 2" level of voting is required to adopt a standard: at least 17 of the 25 Executive Committee members must vote in the affirmative, and at least two members from each segment defined for the Executive Committee must vote in the affirmative.

GAS INDUSTRY STANDARDS BOARD
Executive Committee Meeting Results Regarding Title Transfer Tracking Standards
October 15, 1998 and November 19, 1998

D1 "Title", if not otherwise addressed in the transporter's contract or tariff, is the term used to identify the ownership of gas.

D2 Title Transfer is the change of title to gas between parties at a location.

D3 Title Transfer Tracking is the process of accounting for the progression of title changes from party to party that does not effect a physical transfer of the gas.

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.

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.

P1 [Previously part of S6]

All Title Transfer Tracking Service Providers should offer their Title Transfer Tracking services without undue discrimination.

P2 [Previously S10]

Title transfers into and/or out of a Title Transfer Tracking Service Provider should be able to occur regardless of the service class of any related transportation.

S1 The Transportation Service Providers (TSP) should be responsible for accommodating Title Transfer Tracking services at all points identified by the TSP as pooling points, where title transfer tracking services are requested.

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 also be utilized with Title Transfer Tracking Service Providers within the TSP's system.

S3 deleted and combined with S4

S4 All Third Party Account Administrators (3PADS) wishing to provide title transfer tracking services shall so notify the Tranportation Service Provider (TSP). All coordination between 3PADS and a TSP should be performed under a contract between the parties. Where the TSP is a Title Transfer Tracking Service Provider 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 or with respect to a location (physical or logical).

S6 All Title Transfer Tracking services should be performed under a contract or other arrangement between the Account Holder and their Title Transfer Tracking Service Provider.

S7 A Transportation Service Provider (TSP) should communicate with any Title Transfer Tracking Service Provider (TTTSP) that performs according to the applicable contract between the TTTSP and the TSP, and that operates in accordance with those GISB standards applicable to Title Transfer Tracking.

S8 Title Transfer Tracking should be conducted using existing applicable data sets.

S9 A Transportation Service Provider (TSP) may operate in a manner such 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 (GISB Standard No. 2.4.3) for the quantities into the TTTSP. In addition, the TSP should either accept:

(a) Allocations from the TTTSP, or,

(b) PDAs from the TTTSP.

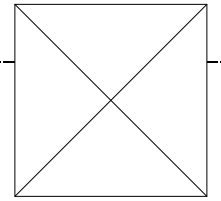
Such information should be delineated at the level of the nomination line items provided by the TTTSP to the TSP for the purpose of allocating quantities out of the TTTSP.

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 pro rata 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. If, in the future, the common code for locations central repository includes listing of TTTSPs by location, the requirements of this standard may be met.

S13 A party to a transaction should nominate, or otherwise communicate in a mutually agreeable manner, 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). Failure to so act can result in the failure of the subject transaction to be communicated to the Transportation Service Provider (TSP) and scheduled by the TSP. A Confirming Party may communicate with its party and/or the immediate 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)' immediate 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 or receiving of such transmittals by such party's authorized agent.



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:

_X_ Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:	**Per Recommendation:**
___Initiation	_X_ Initiation
___Modification	_X_ Modification
___Interpretation	___Interpretation
___Withdrawal	___Withdrawal
___Principle (x.1.z)	_X_ Principle (x.1.z)
___Definition (x.2.z)	_X_ Definition (x.2.z)
___Business Practice Standard (x.3.z)	_X_ Business Practice Standard (x.3.z)
___Document (x.4.z)	___Document (x.4.z)
___Data Element (x.4.z)	___Data Element (x.4.z)
___Code Value (x.4.z)	___Code Value (x.4.z)
___X12 Implementation Guide	___X12 Implementation Guide
___Business Process Documentation	_X_ 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

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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 the these parties. Where the TSP is also a TTTSP on it's 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:

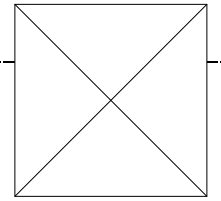
1) location code(s);
2) contract identifier(s) used in the exchange of transactional data; or
3) both one and two above.

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

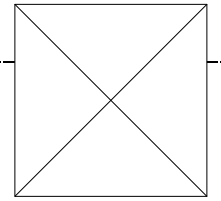
A party to a transaction should nominate, or otherwise communicate, the identity of their transaction counterparty along with the applicable, associated nominations-related information to the appropriate Confirming Party or Title Transfer Tracking Service Provider (TTTSP), in a mutually agreeable manner. 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.

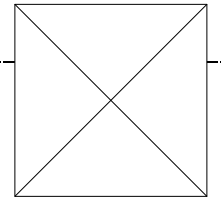


RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: GISB 1998 Annual Plan **Request No.: R97019, R97043, R97049**

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 activites at the TSP's locations with respect to Title Transfer Tracking.



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: GISB 1998 Annual Plan **Request No.: R97019, R97043, R97049**

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:

In addition, the following instruction s 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.

[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., TSP_1 and TSP_2) 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 ($3PAD_1$)
Box 3: Transportation Service Provider
Box 8: Third Party Account Administrator ($3PAD_2$)
Box 10: Transportation Service Provider (TSP_2)
Box 11: Third Party Account Administrator ($3PAD_3$)
Box 12: Third Party Account Administrator ($3PAD_4$)

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)

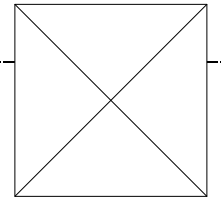
In the TTT TIF Diagram Part 2, the line C represents the 3PAD's internal processes.

[Atatchment 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., TSP_1 and TSP_2) 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 $3PAD_1$ of a change, or being notified of a change by $3PAD_1$) or a Third Party Account Administrator (3PAD* - i.e., any 3PAD notifying $3PAD_1$ of a change, or being notified of a change by $3PAD_1$)
Box 1: Third Party Account Administrator ($3PAD_1$)
Box 8: Third Party Account Administrator ($3PAD_2$)
Box 9: Transportation Service Provider (TSP* - i.e., a TSP affected by information received by $3PAD_2$)
Box 10: Transportation Service Provider (TSP_2) affected by information received by $3PAD_1$)
Box 11: Third Party Account Administrator ($3PAD_3$)
Box 12: Third Party Account Administrator ($3PAD_4$)



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: GISB 1998 Annual Plan **Request No.: R97019, R97043, R97049**

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 TSP_2 to $3PAD_1$)
or an unsolicited Title Transfer Validation Response (from TSP* to $3PAD_1$)
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.

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 "I" 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).

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

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.

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 Holder$_1$/Service Requester$_1$'s (AH_1/SR_1's) to an Account Holder$_2$/Service Requester$_2$ (AH_2/SR_2) out of a pooling point match those quantities nominated by (or on behalf of) such AH_2/SR_2 out of the same point from AH_1/SR_1, the Transportation Service Provider should compare quantities aggregated at the AH_1/SR_1 - AH_2/SR_2 level. When the quantities do not match at this level and this results in a reduction in: a) such AH_1/SR_1's delivery quantity to AH_2/SR_2 (because their AH_2/SR_2 counterparty nominated less receipts), then: 1) the lowest ranked delivery(ies) for such AH_1/SR_1 to AH_2/SR_2 should be reduced, and, 2) AH_1/SR_1's corresponding receipt quantity(ies) should also be reduced commensurably; and when, b) such activity results in a reduction in an AH_1/SR_1's receipt quantity from AH_2/SR_2 (because their AH_2/SR_2 counterparty nominated less deliveries), then: 1) the lowest ranked receipt(s) of

such AH_1/SR_1 from AH_2/SR_2 should be reduced, and, 2) AH_1/SR_1'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	2	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

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

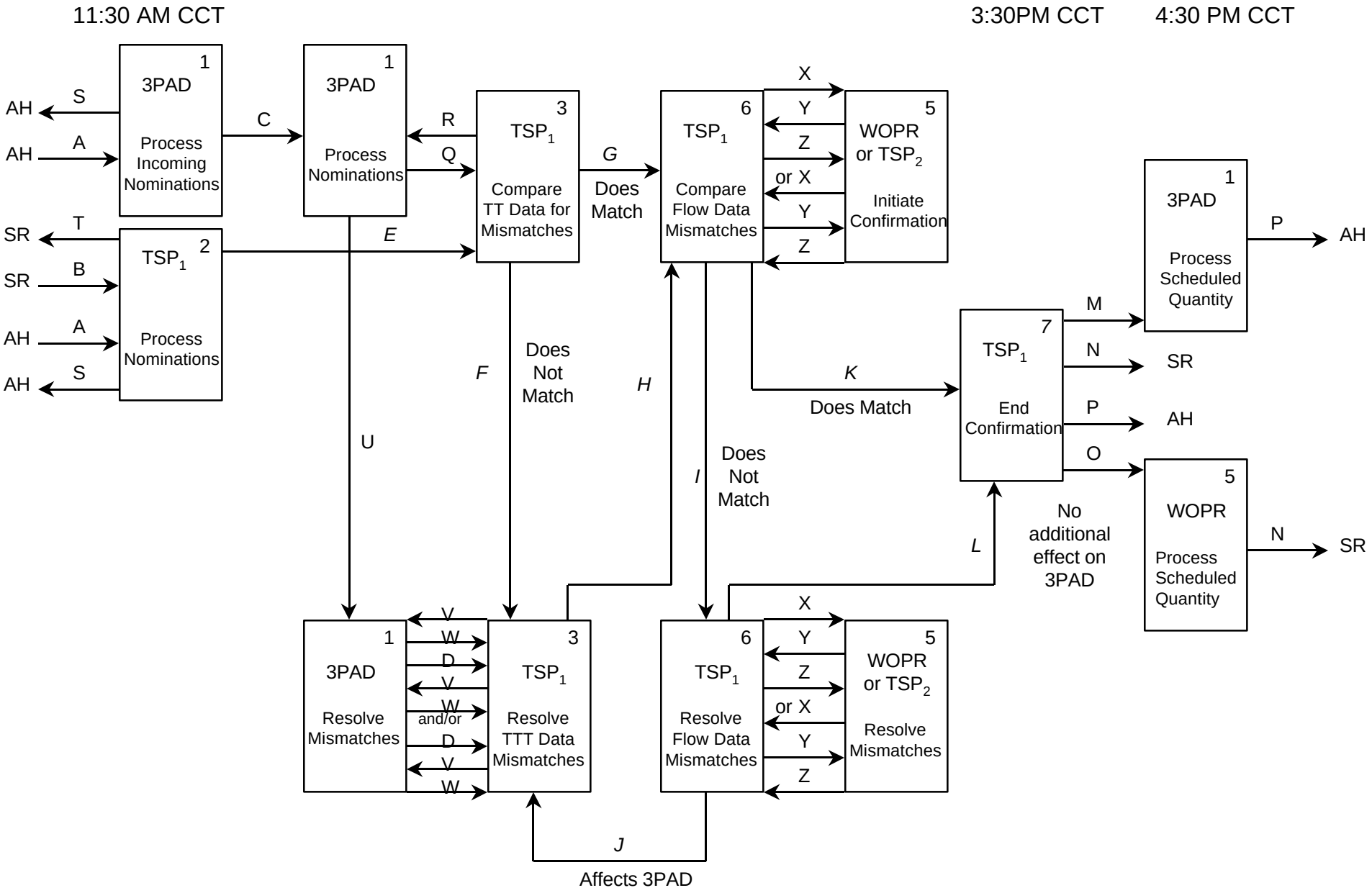
d. Commentary/Rationale of Subcommittee(s)/Task Force(s):

Reference applicable minutes of the task force

e. Attachments

Atatchment 1 – TTT TIF Diagram Part 1, dated 7/31/98
Attachment 2 – TTT TIF Diagram Part 2, dated 8/5/98
Atatchment 3 – TTT TIF Diagram Part 3, dated 9/3/98

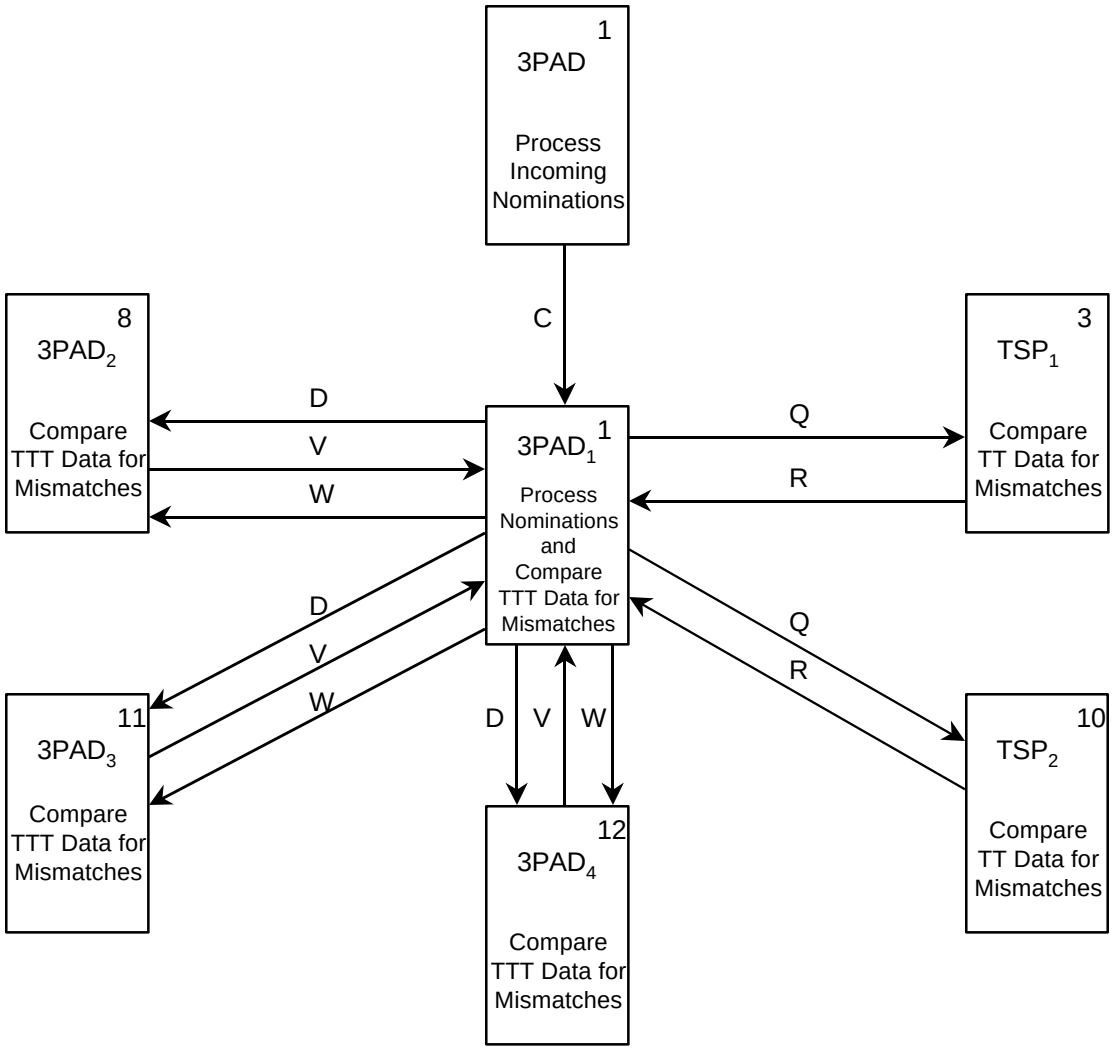
Title Transfer Tracking
July 30, 1998
Timing / Flow Diagram



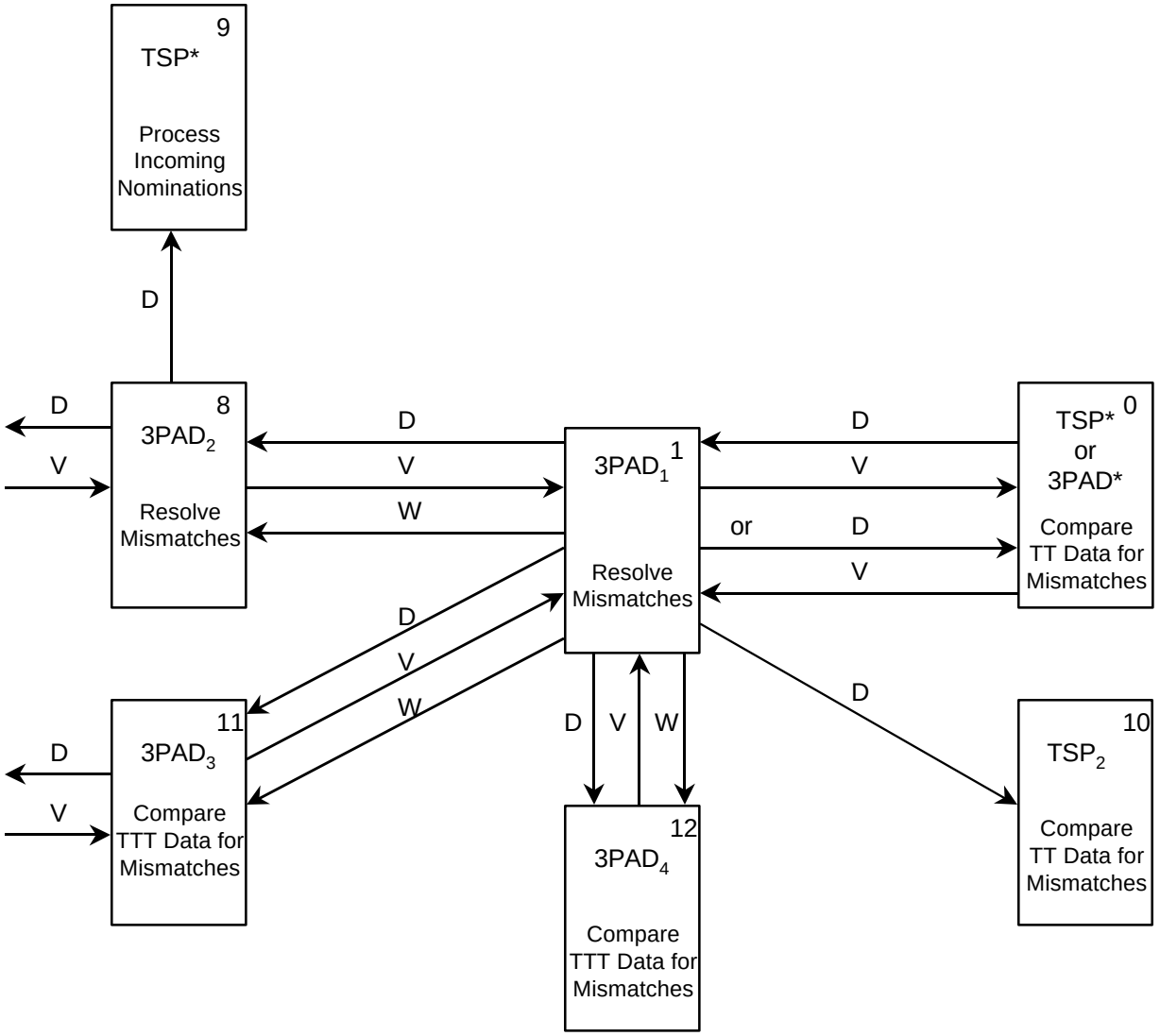
Title Transfer Tracking
August 05, 1998
Timing / Flow Diagram
Part 2 (Standard 29)

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)



Comments of
ANR Pipeline Company
and
Colorado Interstate Gas Company
Title Transfer Tracking

ANR Pipeline Company (ANR) and Colorado Interstate Gas Company (CIG) have actively participated in the work undertaken by the Title Transfer Tracking (TTT) task force. However, given the complexity of the proposed TTT services and the related new requirements imposed on Transportation Service Providers (TSPs), ANR and CIG cannot support the proposed TTT solution.

Although the FERC Order No. 587-G indicated that pipelines should not be required to perform TTT, the task force proposal includes a new proposed standard (S1) which would require pipelines to "ensure" TTT is supported at all pooling points. Further, in proposed standard S15, the TTT standards require pipelines to treat all Operational Balancing Agreement (OBA) locations as pool points (upon request). This attempt to expand and modify pooling requirements aside, the wide-spread availability of OBAs will require pipelines to support TTT at nearly every physical interconnect point. These proposed standards by themselves are not supportable by ANR or CIG.

In addition to the mandated services referenced above, several other issues regarding the proposed TTT standards are troubling.

1. The magnitude of the number of new definitions and standards required to support a function which is not a direct part of gas transportation is nearly overwhelming. The fact that seven new definitions and 17 new standards plus three detail-intensive flow diagrams are required to describe the TTT functions indicates that it is overly complicated. These standards and flow diagrams reference very specific time lines and data transfer sequences which will very likely be difficult to implement and manage in a real-time environment during the four daily nomination cycles.

2. A new data set referred to as "Title Transfer Coordination Nomination" requires information to be transmitted up to 20 minutes after the normal time frame for nomination submissions. A special nomination for TTT with its own unique time line creates a special status for this function which is not justified. It also sets a poor precedent for the handling of future specialized issues such as compressor fuel reimbursement, multi-tiered allocations and cross-contract ranking. This is combined with a requirement to report scheduled TTT quantities 15 minutes prior to other scheduled quantities which further shortens the effective working period for all nomination cycles. TTT standards should not unilaterally affect the status of the very carefully formatted and balanced nomination/confirmation time lines which currently exist.

3. The requirement stated in proposed standard S9 requiring TSPs to accept and incorporate allocation information from Third Party TTT Administrators is problematic. This requirement could change quantities and balances allocated to pipeline shippers after the fact. Because any party can perform TTT functions, this proposal allows unwarranted and improper access to the allocation process.

4. Proposed Standard S2 includes an option to process TTT transactions during the confirmation periods. Even as an option, this process adds an unacceptable level of ambiguity to the TTT function. As TSPs, ANR and CIG are very concerned about the reliability of the confirmation time line. The level of detail and the interactive processes outlined in the TTT proposal for the confirmation process indicate a high probability that such communications will breakdown or fail. Given the requirement to support TTT at all OBA points, one operator choosing to process TTT in the confirmation period will essentially force the interconnected operator to do the same.

Each of these issues contributes to a total package which, as TSPs, ANR and CIG cannot support. These issues should also raise serious concerns for other parties in the gas transactions process regarding the reliability of the current business time lines and the data derived therefrom.

ANR and CIG look forward to the development and implementation of TTT standards which are simple, straight-forward, and are absent the requirement to force unwilling parties to provide services. Unfortunately, we do not believe the current TTT proposal meets these objectives.

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WMG
c:\wp\wmg\gisbecom.ttt

Columbia Gas Transmission/Columbia Gulf Transmission Comments on Proposed Title Transfer Tracking Standards

Columbia Gas/Columbia Gulf is supportive of GISB's attempts to develop standards for title transfer tracking (TTT) and appreciative of the time and effort the task force put forth in developing the proposed standards. However, we do have concerns with several of the standards as they are currently defined. The following highlights our concerns:

Standard 5: Concerned with the last sentence of this standard, "In any event TTT activity is always performed at a location." The use of the word location may be confusing and ambiguous. TTT activity performed at a pooling point may not necessarily be considered at a physical location. We suggest that this sentence be deleted.

Standard 10: This appears to be a principle, not a standard and we suggest it be reclassified as such.

Standard 15: This standard appears to require TSPs to establish pooling points and offer TTT services at any location where an OBA is in effect. Columbia believes that this standard goes beyond the Commission's direction to GISB in Order 587-F. The Commission's did not require pipelines to offer TTT service, but directed GISB to develop TTT standards so that parties that offer that service would do so through a standardized format. This standard goes well beyond that requirement and, in essence mandates pipelines to provide TTT services at any point with an OBA. We believe this standard should be rejected.

ENRON GAS PIPELINES COMMENTS
TITLE TRANSFER TRACKING PROPOSAL

The Enron Gas Pipelines acknowledge and appreciate the work of the Title Tracking Transfer Pilot Task Force in developing the proposal. The comments in the following addresses concerns with certain aspects of these proposed standards.

1. **We can agree to support Title Transfer Tracking (TTT) in the nominations, quick responses and scheduled quantities.**

As a policy matter, the Enron Pipelines oppose rules that would force pipelines to generate separate title transfer tracking reports. Under the FERC rules, our shippers must have title to the gas during the transportation on our systems, thus the scheduled quantity documents have always served as a record of title exchanges that occur for transportation on our systems. So the debate is not really whether we track title, but whether we will be forced to track title for parties who are not shippers on our system.

Our position has been that there is no reason why the pipeline should expand its role to track title activity upstream or downstream of the pipeline. This is not an existing business practice on the grid and there is not a reason why the pipeline is in any better position to perform this service than others. (e.g. an operator certainly has more information about the working interest owners than a downstream pipeline).

Given our belief that TTT is not inherently part of our transportation role, the Enron Pipelines have nevertheless been willing to try to reach a middle ground on the issue of TTT. In July of 1997 we offered a compromise position that our pipelines would agree to keep title transfer tracking records for activity that occurs at existing pooling points so long as the parties nominate their title activity to us. We believe that this proposal makes sense because it (1) only expands the pipeline's report keeping function to cover activity which occurs while the gas is being transported on the pipeline, (2) does not necessitate the creation of new computer systems or (3) does not interfere with the process of physical gas confirmation.

2. **We cannot support standards dealing with Title Transfer Tracking as part of the confirmation process.**

As stated above, we are willing to keep records of title transfer tracking at existing pooling points, but we are not willing to interpose the process of figuring out all of the title exchanges as part of the physical confirmation process. This process currently involves parties with control over physical flow. By adding TTT, GISB is intermingling physical and paper processes. This is a bad idea because (1) it further burdens already condensed timelines, and (2) it necessitates a whole new set of default rules for TTT mismatches and missed deadlines.

Because the confirmation TTT standards are described as elective for the TSP, we oppose the addition of S2, S13, and S17 as GISB standards.

3. We vehemently oppose the insertion of pooling service and rate design issues into the TTT standards.

Proposed standard S15 attempts to: (1) establish new pools on request (of anyone!), and (2) allows parties to use these pooling points without transportation. These may be desirable new pooling service features, but they are not necessary to establish rules for how title activity is tracked or reported. This is an unfair attempt to expand the scope of the TTT standards. Current pooling provisions are a function of the physical configuration, contracts and rate design on individual pipelines. Any attempts to revise the character of pooling[1] must be undertaken in individual section 4 or section 5 proceedings, where all affected parties receive notice and opportunity to comment, and where the attendant cost of service and rate design issues can be addressed. The proposed standard attempts to alter the contractual and settlement rights of pipelines and shippers.

Conclusion

The Enron Pipelines are concerned that the last 18 months of effort is headed towards an impasse at the upcoming EC meeting vote as a result of extraneous requirements that have little to do with TTT. We continue to believe that a compromise is achievable if GISB parties are serious about writing standards for how title transfer activity can be captured and reported.

[1] The Enron Pipelines question whether the task force has considered the fact that with a greater number of pooling points, there is less flexibility within any given pool. Arguably, fewer pooling points rather than more offer flexibility.

KN Energy Gas Pipeline Group
Comments re Proposed Title Transfer Tracking Standards

The KN Energy pipeline group submits the following comments for consideration by the Executive Committee relative to the title transfer tracking standards proposed in response to requests R97019, R97043, and R97049.

(1) The Title Transfer Tracking Task Force in its efforts to deal with a difficult process on which there is a wide diversity of opinion has developed proposed standards which attempt to promote competition, identify responsibilities of all parties and define all required communications. In KN's opinion, these standards fall short of the objective of title tracking as expressed in principle 1.1.10 which states "Title transfer tracking improves quantity certainty." (a) We believe that the increased communications required by these standards during an already tight confirmation and scheduling time frame will result in an increase of mismatches and unscheduled volumes. This is especially likely at points with multiple 3PADS. (b) Additionally, we are concerned about the scheduling and allocation of volumes upstream and downstream of the 3PAD when nominated and confirmable volumes into and out of the 3PAD do not equal. This will potentially result in an increase in disputed volumes and prior period reallocations.

(2) We believe the alternative proposal as presented at the September 9,10,11th Title Transfer Tracking Meeting whereby pipelines would track title at existing pooling points makes more sense. In this model, the incremental increases in required communication serves to perform title transfer tracking in the most efficient manner and simplifies the scheduling/confirmation process for title transfer tracking.

TO: GISB Executive Committee Members

FROM: Koch Gateway Pipeline Company
Mobile Bay Pipeline Company
Koch Midstream Services, Inc.

DATE: October 8, 1998

RE: Title Transfer Tracking Task Force ("TTTTF") Recommendation and Proposed Standards

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Koch Gateway, Mobile Bay, and Koch Midstream (collectively "Koch") would like to thank all of the members of this task force for their time and effort in wrestling with many very difficult and time-consuming title tracking-related issues. As participants of this task force, Koch appreciates and commends the companies that have contributed volunteer resources, and it recognizes the importance of this issue to many in the industry.

However, Koch has a number of concerns with the recommendation being proffered for comment. Koch reminds the Executive Committee (“EC”) that the Federal Energy Regulatory Commission (“FERC”) does not require that pipelines perform title tracking. However, Koch supported, and continues to support, the alternative proposal presented in the last two meetings of the task force that requires the pipeline segment to either perform title tracking or be responsible for the performance of title tracking on their respective systems. Koch expected that the alternative would have had significant support from all segments because of this requirement.

The alternative and the current recommendation have several major elements in common, and Koch was hopeful that the alternative could be more fully fleshed out at the task force level. Unfortunately, it appeared that many task force members were unwilling to continue work on the alternative and, in an unprecedented move, voted to send the current recommendation to the EC without the support of the pipeline segment and without the recommendation being fully staffed. Koch was not able to formulate significant comments regarding the TTTTF recommendation to discuss at the task force level because of the large amount of time Koch spent working with others on the alternative proposal, and because this recommendation was both voted and reviewed for the last time in one meeting (the final meeting of the task force).

Global Concerns

First, Koch is concerned about an article that was published in the September, 1998 "GISB Review" publication issued by the GISB office, which states that the data elements and code values that were requested in three title transfer-related requests (R97019, R97043, and R97049) are part of the recommendation out for comment. The specifics of those requests were never discussed in-depth at the TTTTF level, other than to remind task force members that these requests were the impetus for the TTTTF's formation, and that they would eventually be addressed in the course of the TTTTF's work. EC members should also note that the recommendation itself does not indicate that any data elements or code values are to be added, as is usually the case when those elements or values are part of the recommendation (see "Type of Maintenance" on p. 1 of the recommendation). Koch considers the specifics in these requests to be within the purview of the Business Practices Subcommittee and/or the TTTTF, and the Information Requirements ("IR") Subcommittee, to which this recommendation has not be routed. Because the addition of these code values and data elements have not been discussed in detail by any of these GISB groups, Koch does not consider it appropriate to include the specifics of these three requests in the proposed recommendation, and Koch does not support the approval of the data elements and code values sought in those requests for this reason.

This recommendation is not fully staffed; that is, it has not been reviewed by any other task force or subcommittee aside from the TTTTF. This is an unusual GISB practice and one that has been avoided for a number of reasons. One of the most important reasons to recommend to the EC only fully staffed requests is to allow all parties to see "the big picture." It is very important for this particular recommendation to be fully staffed because of the impact it will have on all parties that will be using title tracking services. It is impossible for a company, particularly a regulated one subject to implementing this proposal, to support such an expansive proposal without first reviewing the proposed implementation together with the standards. Because this recommendation has not been reviewed by IR - even though there are many pages of "Instructions to IR" - Koch cannot adequately comment on or support this portion of the recommendation. Koch urges the EC to either carve out and ignore the "Instructions to IR" from this proposal, or, alternatively, refuse to vote on this recommendation until it is fully staffed.

Another global concern is that nearly all of the material in the "Instructions to IR" contains instructions about how to implement an optional process (according to the standards). Adopting standards for processes that are intended to be optional on the part of the regulated entity is not a practice that GISB should undertake. It is possible (in fact, some parties have indicated it will be probable) that the currently proposed "Instructions to IR" may become a part of the GISB Implementation Guides. (These Implementation Guides carry the same weight as standards as far as FERC is concerned.) Consequently, Koch does not feel that it may be clear to FERC or to pipeline customers what this proposal is really saying: the standards seem to require title tracking to be done in the nomination process, yet the implementation guides will likely contain instructions that indicate title tracking may be done in the confirmation process. Because this will prove to be confusing

to those attempting to utilize title tracking services, Koch asks the EC to eliminate any reference in the recommendation to title tracking occuring in the confirmation process.

Regarding the merits of performing title tracking in the confirmation process, Koch and other pipelines attempted to point out numerous times in the task force discussions that title tracking will be very difficult to implement in the confirmation process, particularly as it is proposed in this recommendation. The "Instructions to IR," which describe how title tracking can be done in the confirmations process, also contain an unprecedented amount of unusual information, such a numbered definitions. Koch does not feel it is necessary to re-examine the discussions had in the TTTTF in detail, but at a summary level, the EC should be aware that the "Instructions to IR" are extremely complex, and it is questionable as to whether they can actually be implemented by regulated entities and used in the confirmations process without causing those entities to become non-compliant with other GISB standards, such as the intraday timelines. Therefore, Koch cannot support title tracking occurring in the confirmations process. Koch again urges the EC to excise the "Instructions to IR" or at least the portions that make reference to title tracking in the confirmations process.

Specific Concerns Regarding the Proposed Standards

Koch will limit its comments to the major issues it sees in the recommendation.

The text of Proposed Standard S15 is:
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.

Proposed Standard S15 is unacceptable because it would allow any party to request a pooling point be established at any OBA point. Koch believes that if pipeline Service Requesters are interested in a pipeline establishing more pools on its system, those Service Requesters should discuss the reasons why they wish to establish a new pool with the pipeline and/or with FERC. This proposed standard, however, not only allows any party to request a pool, but also these same parties could require the pipeline to establish a pool without any evidence of need, other than "for the purpose of enabling TTT activity not related to transportation." Historically, the establishment of pools (or lack thereof) has been a matter of FERC policy, and Koch believes it should continue to be so.

Further, on many pipeline systems, pools have become increasingly liquid, with significant price transparency. Allowing pools to be established on pipelines essentially at random will diminish this liquidity and warp market signals, to the detriment of transportation customers.

The text of Proposed Standard S13 is:
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.

Proposed Standard S13 is quite obscure, and Koch requests the EC to strike it from the recommendation because of the confusion it creates. For example:

- The phrase "party to a transaction" is unclear - does this refer to the Account Holder ("AH")/Third Party Account Administrator ("3PAD") relationship, the 3PAD/TSP relationship, or some other relationship?
- What does "or otherwise communicate" mean? The other standards in the recommendation seem to indicate that the nomination process alone is the exclusive means of conducting title tracking.
- Who is "a transaction counterparty"? Upstream and downstream parties are already required data elements in the nomination data set - does this phrase envision some other data element/party? If so, why?
- What is meant by nominating in "a mutually agreeable manner"?
- Why is there any reference to "confirming party" in this standard? This sentence also seems to imply that a TSP (a "confirming party" in some situations) would be able to communicate to a "counterparty" of its Service Requester, information about "a failure to communicate a transaction on the part of the applicable party." To the extent this sentence refers to a TSP and a Service Requester, is this not the purpose of reduction reason codes? Does this sentence mean a TSP can now tell its customers' "counterparties" information it is currently forbidden to disclose to them? Does this require a TSP (as a "confirming party") to confirm with its Service Requester ("its party")?

The text of Proposed Standard S16 is:
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.

Proposed Standard S16 is not related to title tracking and should be removed from the recommendation. Several parties in the task force believe this proposed standard will force parties that do not currently use rankings correctly to do so. If there is currently noncompliance with an existing standard regarding ranks, creating still another standard will not solve the problem. Instead, those parties with a grievance should request an

interpretation from GISB on the correct usage of ranks, or notify FERC of the noncompliance.

The text of Proposed Standard S17 is:
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 activites at the TSP's locations with respect to Title Transfer Tracking.

Proposed Standard S17 is regarding an optional business practice - that is, when a TTTSP uses the confirmation process to perform title tracking. As stated above, Koch rejects the notion that GISB should create standards for optional business practices and urges the EC to do the same.

What is the item on the top of page 6 of the recommendation? A standard? Instructions to IR? Something else? Without more explanation, it will not make any sense to anyone who was not present at the last meeting of the task force.

Koch also has concerns with modifying existing Standard 1.3.2. (See discussion below.)

Other Specific Concerns

Koch also has concerns with what is not contained in the recommendation. Specifically, the recommendation does not address at what points TTTSPs may conduct title tracking on the pipeline. Koch believes the TTTTF intended that title tracking be performed only at pooling points (see proposed Standard S1) and at OBA locations (see proposed Standard S15). In addition to the objections Koch has to S15 discussed above, it also opposes having to support a 3PAD at a location other than an existing pooling point. Koch does not believe that there will be any interest in title tracking being performed at non-pooling points on its system, and it is economically unreasonable to require a pipeline to be capable of performing title tracking or supporting a third party performing title tracking at such points.

Koch is also concerned about 3PADs not taking title to the gas they are tracking. Pipeline tariffs require that all shippers on their respective systems take title to the gas; indeed, this is a FERC policy. The third parties that perform title tracking today do take title to the gas, and do not appear to have concerns about doing so. However, several potential 3PADs not currently performing the service have indicated in TTTTF discussions that they will not, under any circumstances, take title to the gas. Who, then, will be responsible to parties whose gas is cut or if there is some other mistake made in the title tracking process? Pipelines will not shoulder such liability as a result of merely dealing with a 3PAD performing title tracking. At a minimum, 3PADs should be required to enter into agreements with pipelines on which they perform title tracking that establish the 3PADs'

obligations and liabilities. Again, although there are no standards in the recommendation that address this issue, the issue of whether 3PADs should take title to the gas is a matter that should be closely examined by FERC, and is not a matter that should be addressed within GISB.

The text of Proposed Standard S7 is:
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.

The recommendation has no standard that delineates which parties may perform title tracking. This lack of requirement(s), along with the modification of the timelines in existing Standard 1.3.2, will allow any party to become a 3PAD merely by designating itself as such. Proponents of the recommendation feel that the second sentence of proposed Standard S7 will allay fears on the part of the pipelines that parties such as marketers will designate themselves 3PADs in an effort to delay their submission of nominations. Because IR has not yet determined how title tracking nominations will be different from transportation nominations, Koch is not comforted by claims that pipeline systems will not be "gamed." Furthermore, because both 3PADs and their Account Holders are not regulated entities, there is nothing to prevent these Account Holders from obtaining extra time (up to 20 minutes) from their respective 3PADs to submit their nominations to 3PADs, who will in turn submit them to TSPs that must accept them.

In summary, Koch feels that this recommendation is incomplete, at best, and Koch cannot support it in its present form. Koch urges the EC to refrain from voting on the recommendation at this time. The standards need further refinement, either by the EC or the task force. Also, further attempts should be made to ensure that this recommendation can be supported by all segments of GISB, particularly those that may be mandated to implement it. Finally, once the recommendation is complete, it should be sent to both IR and to the Technical Subcommittee for full staffing.

The EC needs to carefully consider how much more time and energy can be put into this issue before further work efforts of this task force should be suspended. Although significant progress has been made, significant work remains to be done, and given GISB's current workload, it may not be possible to continue at the pace this task force has been going.

Thank you for your consideration of these comments.

TITLE TRANSFER TRACKING: DRAFT

The gas industry, responding to real business problems, recognized a need to track title to gas transactions that did not involve transportation. The lack of title transfer tracking was reflected in accounting and reliability problems from the wellhead to the burner tip. At the September 1996 Executive Committee (EC) meeting, the Title Transfer Tracking Pilot Testing Task Force (Task Force) was created to develop standards and working model(s) to enable the tracking of title.

The first Task Force met in October 1996 and established a target completion date of September 1997. Over time, 13 models were developed reflecting the differing philosophies of the developers. The two key issues were who would provide the service and where it would be available. Some parties wanted the pipelines to perform the function; some parties wanted one provider for the industry; other parties wanted a competitive market. The "where" was equally contentious, with desires ranging from "everywhere" to only receipt points. Much work was done in August 1997~~,~~ the Task Force was put on hiatus, pending the outcome of the work of the Intraday Task Force, another time intensive and contentious project.

In the spring of 1998, one month after the Intraday standards were approved by the EC, the Task Force reconvened, with a target completion date for the draft standards in August in order to have them approved by the EC by the end of the year. The Task Force missed its target by one month.

Armed with the Federal Energy Regulatory Commission's Notice of Proposed Rulemaking, issued in April, and the GISB Annual Plan, the Task Force spent the early meetings reviewing the prior Task Force's models. Two models quickly emerged: the Operator Model, using confirmation procedures and information; and, the Account Model, using the nomination procedures and information. Quickly, the two models were combined into the Transfer Model. After much discussion, an Alternative Proposal was presented. The culmination of all this effort became the Modified Transfer Model and, after much discussion, the Task Force with a vote of 5.667 in favor and 2.333 opposed approved it. It became the basis for the draft standards, which were approved 6 to 0. Exhibit A, attached, provides a synopsis of the issues under each of the four main models (Operator, Account, Alternate Model and Modified Transfer Model).

The proposed standards are the result of 68 work papers, 31 days of meetings, many of which ran longer than 8 hours, 95 individuals from 64 different organizations and all five GISB segments. They enable the process of title transfer tracking to occur in a non- discriminatory manner and without the incurrence of additional <u>transportation</u> charges by any party choosing to use the service. Additionally, the standards allow flexibility; those parties currently tracking title will have to modify their processes to allow for the interaction with any third party service provider. All parties must support the service through the election of either the nomination or confirmation data elements. The issues of cost have been left to the marketplace. And, most importantly, those parties who need the service will be able to obtain it, and the business issues that caused this Task Force to be created can be resolved.

For these reasons, the following GISB members are in support of the proposed standards and encourage their adoption by the Executive Committee:

Salt River Project
Enron Administrative Corp.
Texaco Natural Gas, Inc.
Exxon USA
Midland Cogeneration Venture
Arizona Public Service Company
TransCapacity
National Registry of Capacity Rights
PECO Energy
Defense Energy Support Center

Exhibit A

This table has been prepared in order to display the models in a comparative format and to show the level of compromise attained within the Modified Transfer Model as compared to the other models.

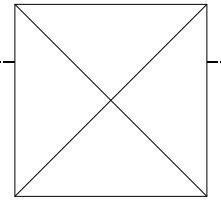
Row	Issue	Operator Model	Account Model	Alternate Model	Modified Transfer Model
1	Who **should** offer TTT service?	There is no requirement that anyone offer the service.	There is no requirement that anyone offer the service.	At least the pipeline (or its designee).	At least the pipeline (or its designee).
2	Who **may** offer TTT service?	Anyone that wants to and follows GISB standards for confirmations with the TSP.	Anyone that wants to take title to the gas and follows GISB standards for nominations.	Anyone that wants to take title to the gas and follows GISB standards for nominations.	Anyone that wants to and follows GISB standards for nominating on behalf of their Account Holders.
3	What locations **should** be covered by those offering TTT?	There is no requirement that any particular location be covered.	There is no requirement that any particular location be covered.	Pooling points	Pooling Points and locations (logical or physical) where TTT is not yet supported, where there is a request for a pooling point and which are covered by an OBA.
4	What locations **may** be covered by those offering TTT?	Any location	Any location	Pooling Points	Pooling Points, plus, the TSP may elect to support the Confirmations Model at non-OBA locations if it chooses.
5	What data sets **should** be used by the TTTSP to coordinate with the TSP?	Confirmations Model	Nominations Model	Nominations Model	Nominations Model at Pooling Points and where the TSP so elects, it may support the Confirmations Model at non-OBA locations. In addition, the TSP may elect to support only the Confirmations Model if it so chooses.
6	What data sets **may** be used to coordinate with the TSP?	Confirmations Model	Nominations Model	Nominations Model	Nominations Model at Pooling Points and Confirmations Model at non-OBA Locations. In addition, the TSP may elect to support only the Confirmations Model if it so chooses.
7	What timeline **should** be used by Account Holders?	Nominations Timeline (i.e., leave control at 11:30 a.m., 5:00 p.m., 6:00 p.m., and 10:00 a.m.)	Nominations Timeline (i.e., leave control at 11:30 a.m., 5:00 p.m., 6:00 p.m., and 10:00 a.m.)	Nominations Timeline (i.e., leave control at 11:30 a.m., 5:00 p.m., 6:00 p.m., and 10:00 a.m.)	Nominations Timeline (i.e., leave control at 11:30 a.m., 5:00 p.m., 6:00 p.m., and 10:00 a.m.)

Row	Issue	Operator Model	Account Model	Alternate Model	Modified Transfer Model
8	What timeline **should** be used by TTTSPs?	Confirmations Timeline specified for TTTSPs (12:30 p.m., 6:00 p.m., 7:00 p.m. and 11:00 a.m.)	Nominations Timeline (i.e., leave control at 11:30 a.m., 5:00 p.m., 6:00 p.m., and 10:00 a.m.)	Nominations Timeline (i.e., leave control at 11:30 a.m., 5:00 p.m., 6:00 p.m., and 10:00 a.m.)	TTTSP Timeline to have nominations on behalf of Account Holders at TSP designated site (i.e., 11:50 a.m., 5:20 p.m., 6:20 p.m., and 10:20 a.m.)
9	What timeline **may** a TSP choose to use with the TTTSPs?	Confirmations Timeline specified for TTTSPs (12:00 p.m., 6:00 p.m., 7:00 p.m. and 11:00 a.m.)	not supported	not supported	TTTSP Timeline to have nominations on behalf of Account Holders at TSP designated site (i.e., 11:50 a.m., 5:20 p.m., 6:20 p.m., and 10:20 a.m.) and/or, **where the TSP so chooses**, there is also the Confirmations Timeline specified for TTTSPs (12:20 p.m., 5:50 p.m., 6:50 p.m. and 10:50 a.m.)
10-	Are TTTSPs Service Requesters?	No	Yes	Yes	No
11	Are TTTSPs Service Providers?	Yes	No	No	Yes
12	Is TTTSP the Service Requester for nominating purposes?	No	Yes	Yes	No, they are sending nominations data associated with the TTT function to TSPs on behalf of their Account Holders
13	Is the TTTSP nominating on behalf of its named Service Requesters?	No	No	No	Yes
14	Does info get to TSPs within 5 minutes of EDM deadline?	No	Yes	Yes	Yes
15	Are all locations covered by an OBA capable of supporting TTT?	Yes	Yes	No, only pipeline designated pooling points.	Yes, where there is a request for a pooling point and TTT not otherwise supported with respect to the location, then a pooling point would be created by the TSP so that TTT may be performed at such OBA location.

3. PROPOSED STANDARDS - R97086, R97093, R97108B and R98010

- A set of recommended standards regarding Request Nos. R97086, R97093, R97108B and R98010 is presented here for discussion and adoption by the Executive Committee. The votes necessary for adoption are at least 17 votes in favor, with at least 2 votes in favor from each segment.
- The recommended standards and comments and minutes of the task force meetings can be accessed from the GISB home page. The comments should be available on December 14.
- A ballot is attached which can be faxed into the GISB office if you are unable to attend the meeting on December 17. If you send in a ballot, you are voting on the recommendations as presented in these materials rather than any changes which may be agreed upon during the meeting on December 17.
- **The Executive Committee is asked to consider the requests and proposed standards (subcommittee and task force recommendations), and comments filed for each of the above requests and vote on them at a "17 and 2" level**[2]
- **The Executive Committee members who are not able to attend this meeting, and who have not asked an alternate to vote for them, are asked to complete the attached ballot and forward it to the GISB office no later than end of business December 15.**

[2]The "17 and 2" level of voting is required to adopt a standard: at least 17 of the 25 Executive Committee members must vote in the affirmative, and at least two members from each segment defined for the Executive Committee must vote in the affirmative.



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Transco **Request No.: R97086**

1. Recommended Action:

___Accept as requested
_X_Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:	**Per Recommendation:**
_X_ Initiation	_X_ Initiation
_X_ Modification	_X_ Modification
___Interpretation	___Interpretation
___Withdrawal	___Withdrawal
___Principle (x.1.z)	___Principle (x.1.z)
___Definition (x.2.z)	___Definition (x.2.z)
___Business Practice Standard (x.3.z)	___Business Practice Standard (x.3.z)
___Document (x.4.z)	___Document (x.4.z)
_X_ Data Element (x.4.z)	_X_ Data Element (x.4.z)
_X_ Code Value (x.4.z)	_X_ Code Value (x.4.z)
_X_ X12 Implementation Guide	_X_ X12 Implementation Guide
___Business Process Documentation	_X_ Business Process Documentation

3. RECOMMENDATION

Add the following data elements and code values, to the specified document(s):

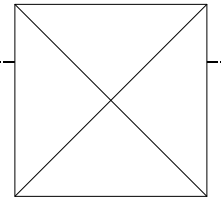
DATA DICTIONARY (for new documents and addition, modification or deletion of data elements)

Document Name and No.: Shipper Imbalance, 2.4.4

Business Name	**Definition**	**Usage**	**Condition**
Settlement Type	*Distinguishes between quantities that are subject to cash out provisions and those that are not.*	*MA*	

* Indicates Common Code

Level: Contract Level.



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Transco Request No.: R97086

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

Document Name and No.: Shipper Imbalance, 2.4.4

Business Name	Usage	Code Value	Code Value Description	Code Value Definition
Settlement Type	*MA*	*YCO*	*Subject to cash out provisions*	*[No definition necessary]*
		NCO	*Not subject to cash out provisions*	*[No definition necessary]*

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Document Name and No.: Shipper Imbalance, 2.4.4

Description of Change:
G811IMBL - Shipper Imbalance (2.4.4)
Data Element Xref to X12
Detail SI segment - add a line "MA Settlement Type" for the SI segment after the Service Requester Contract data element.
X12 Mapping
Detail level SI segment (position 030): SI02: delete code value: "CR Service Requester Contract"; add note: "Refer to "SI 1000/234 Pairs (Detail)" table for usage and values."
Detail level SI segment (position 030): SI03: add following note on line before "Service Requester Contract": "Refer to "SI 1000/234 Pairs (Detail)" table for usage and values."; after Service Requester Contract, add comma and name "Settlement Type" so the data elements appear in a comma separated list; skip a blank line and add the following note: "Note: Each data element may occur in one of the 1000/234 pairs per the usage in the specified table. The data elements may occur in any order.";
Detail level SI segment (position 030): add two more SI elements to the SI segment (i.e. mark SI04 and SI05 as used); add note: "Refer to "SI 1000/234 Pairs (Detail)" table for usage and values." to both SI04 and SI05.
Transaction Set Tables
Create a new table: "SI 1000/234 Pairs (Detail)" and add it between the "DTM Segments (Heading)" table and the "SI 1000/234 Pairs (Sub-detail)" table.
The new "SI 1000/234 Pairs (Detail)" table will have the following columns: "Element Name", "Usage", "Elem 1000", "Elem 234", "Description"; The first row will have the following column entries (note the text in [ ] is explanatory and not to be entered in the table): Element Name column = "Service Requester Contract", Usage column = "M", Elem 1000 column = "CR", Elem 234 column = [blank], Description column = "Service Requester Contract"; [continued on next row]
"SI 1000/234 Pairs (Detail)" table - [continued] The next row will have the following column entries: Element Name column = "Settlement Type", Usage column = "MA", Elem 1000 column = "ST", Elem 234 column = "YCO", [and on next row] "NCO"; Description column = "Subject to cash out provisions", [and on next row] "Not subject to cash out provisions"; See the SI 1000/234 Pairs (Sub-detail) table for the structure.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Transco Request No.: R97086

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

Shipper Imbalance, 2.4.4, Technical Implementation of Business Process

Language:
See attached document for modifications.

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Transco proposes that a Mutually Agreeable (MA) data element called Statement Type be added to the Imbalance Statement (Standard 2.4.3) to distinguish between Ending Imbalance Quantities that are not subject to cashout, and those Ending Imbalance Quantities that are subject to cashout.

The data element should in our view be at the same level of detail as the Ending Imbalance Quantity. Frequently, Transco has two (2) Ending Imbalance Quantities for a contract. The first Quantity represents the imbalance incurred prior to the institution of the cashout provisions, so these volumes are not subject to cashout; the second Quantity represents the imbalance incurred after the institution of the cashout provisions, so these volumes are subject to cashout.

The new data element should have two code values as follows:
-Subject to Cashout
-Not Subject to Cashout

b. Description of Recommendation:

Information Requirements: August 18, 1998

R97086 – Transco

MOTION: Add the following data elements and code values where applicable, to the specified document(s):

Document Name and No.: Shipper Imbalance (2.4.4)

Business Name	**Definition**	**Usage**	**Condition**
Settlement Type	Distinguishes between quantities that are subject to cash out provisions and those that are not.	MA	

Level: Contract Level. If at a higher level, would require data to be repeated.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Transco Request No.: R97086

CODE VALUES:

Business Name	Usage	Code Value	Code Value Description	Code Value Definition
Settlement Type	MA		Subject to cash out provisions	[No definition necessary]
			Not subject to cash out provisions	[No definition necessary]

Sense of the Room: August 18, 1998 10 In Favor 0 Opposed
Segment Check (if applicable):
In Favor: ___End-Users ___LDCs ___Pipelines ___Producers ___Services
Opposed: ___End-Users ___LDCs ___Pipelines ___Producers ___Services

Information Requirements: October 13, 1998

R97086 & R97093 -- Transco
Jim Keisler reviewed his proposed revisions to the Shipper Imbalance TIBP. It was suggested to add the following language at the end of the "Supplemental Quantity Type": "For a given transaction, multiple supplemental quantity types can be sent. There should be a corresponding supplemental quantity for each supplemental quantity type sent."

All data element names will be lower case, as in all TIBPs."
To be added alphabetically under "Other Data Elements:

Settlement Type: A code indicating whether the imbalance quantities are subject to cash-out provisions. (R97086)

Supplemental Quantity: A quantity of gas that explains all or a portion of the difference between the allocated receipt quantity and the allocated delivery quantity. (R97093)

Supplemental Quantity Type: A code specifying the type of quantity in the supplemental quantity. For a given transaction, multiple supplemental quantity types can be sent. There should be a corresponding supplemental quantity for each supplemental quantity type sent. (R97093)

[See attached modified Technical Implementation of Business Process for Shipper Imbalance.]

MOTION to adopt the above:

Sense of the Room: October 13, 1998 6 In Favor 0 Opposed
Segment Check (if applicable):
In Favor: ___End-Users ___LDCs ___Pipelines ___Producers ___Services
Opposed: ___End-Users ___LDCs ___Pipelines ___Producers ___Services

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Transco Request No.: R97086

Technical Subcommittee: September 22, 1998

Implemented as instructed by IR.

Sense of the Room: September 22, 1998 6 In Favor 0 Opposed
Segment Check (if applicable):

In Favor:	___End-Users	___LDCs	___Pipelines	___Producers	___Services
Opposed:	___End-Users	___LDCs	___Pipelines	___Producers	___Services

Modified original instructions to increase the number of SI elements.

Sense of the Room: September 23, 1998 3 In Favor 0 Opposed
Segment Check (if applicable):

In Favor:	___End-Users	___LDCs	___Pipelines	___Producers	___Services
Opposed:	___End-Users	___LDCs	___Pipelines	___Producers	___Services

c. Business Purpose:

Transco currently uses the Statement Types specified above to explain and communicate the nature of the Ending Imbalance Quantities presented on the Imbalance Statement. Our ability to use this data element in EDI exchanges is necessary to maintain our current level of service.

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

IR: See relevant minutes. Adopted as described without objection.

Modified TIBP for Request Numbers R97086 and R97093.

TECHNICAL IMPLEMENTATION OF BUSINESS PROCESS

Contract imbalances occur when there is a difference between allocated receipt and delivery quantities, with a deduction for transportation fuel if applicable. A critical component in the development of a reliable, responsive natural gas administrative infrastructure involves the regular reporting of imbalances to the service requester (generally the shipper or its agent) by the service provider (generally the pipeline). Standard 2.3.28 addresses this by stating that "Imbalance statements should be generated at the same time or prior to the generation of the transportation invoice." The data elements described herein were identified as necessary to provide meaningful imbalance statements to all parties.

Mandatory and conditional data elements

Accounting Period:
: The accounting period to which the imbalance statement applies.

Adjustment Type:
: A code used to identify the type of adjustment made to the imbalance quantity. This information is required only if an adjustment has been made to the imbalance quantity (such as for trades, transfers, cashout, etc.)

Adjustment Quantity:
: The quantity, stated in standard units, of the imbalance adjustment.

Allocated Delivery Quantity:
: The allocated delivery quantity, stated in standard units.

Allocated Receipt Quantity:
: The allocated receipt quantity, stated in standard units.

Beginning Flow Date/Time:
: The beginning flow date and time for the period to which the imbalance statement applies.

Contact Person:
: Name and telephone number of the preparer company employee who is responsible for answering questions related to the information contained in the imbalance statement.

Delivery Location:
: The common code identifying the location where the allocated quantity was delivered by the transportation service provider.

Downstream Contract Identifier:
: Required if the Direction of Flow Indicator is a delivery. This is a contract number identified in the nomination record as the contract number of the party receiving the quantities from the service requester. The field may be blank if no information was provided on the nomination record.

Downstream Identifier Code:
: Required if the Direction of Flow Indicator is a delivery. This would be the common code for the party identified in the nomination record as the first owner of the gas on the interconnecting operator's facility.

Ending Flow Date/Time:
The ending flow date and time for the period to which the imbalance statement applies.
Ending Imbalance Quantity:
The accumulated imbalance quantity as of the ending flow date/time.
Fuel Quantity:
The fuel quantity, stated in standard units, retained by the service provider for the period reflected on the imbalance statement.
Preparer ID:
The common code which identifies the party providing the imbalance statement.
Receipt Location:
The common code used to identify the location where the allocated quantity was received by the transportation service provider.
Service Requester Contract ID:
Identifies the service requester contract between the requester and provider.
Statement Basis:
A code indicating whether the imbalance information is an estimate, actual or revision. The revision code is used to identify prior period adjustments or adjustments to the imbalance quantity.
Statement Date/Time:
Date and time the statement was prepared.
Statement Recipient:
The common code which identifies the party receiving the imbalance statement.
Upstream Contract Identifier:
Required if the Direction of Flow Indicator is a receipt. This is the contract number identified in the nomination record as the contract number of the party supplying the quantities to the service requester. The field may be blank if no information was provided on the nomination record.
Upstream Identifier Code:
Required if the Direction of Flow Indicator is a receipt. This is the party identified in the nomination record as the last owner of the gas on the interconnecting operator's facility.

Other Data Elements

Adjustment Value:
The monetary value of an imbalance adjustment, if applicable to the service provider's business practices.
Bid Transportation Rate:
A rate which the service requester nominates in order to identify and receive different scheduling priorities for various packages of gas, if applicable to the service provider's business practices.
Capacity Type Indicator:
Identifies the type of capacity requested on the nomination, if both parties have agreed to support the information.

Ending Imbalance Value:

The accumulated imbalance value as of the ending flow date/time, if applicable to the service provider's business practices.

Imbalance Value:

The monetary value associated with the current period imbalance, if applicable to the service provider's business practices.

Operational Delivery Quantity:

An allocated delivery quantity, stated in standard units, upon which penalties or cashout are based if applicable to the service provider's business practices. This is usually initial allocated volume, which is not affected by subsequent reallocations.

Operational Receipt Quantity:

An allocated receipt quantity, stated in standard units, upon which penalties or cashout are based, if applicable to the service provider's business practices. This is usually the initial allocated volume, which is not affected by subsequent reallocations.

Package ID:

This is the identifier assigned to the transaction by the service requestor. The field will be populated if both parties have agreed to support the information and if it is provided to the statement preparer on the service requester's nomination.

Scheduled Delivery Quantity:

The quantity, stated in standard units, scheduled to be delivered by the service provider. These quantities can be used to calculate penalties or cashout, if applicable to the service provider's business practices.

Scheduled Receipt Quantity:

The quantity, stated in standard units, scheduled to be received by the service provider. These quantities can be used to calculate penalties or cashout, if applicable to the service provider's business practices.

Service Provider's Activity Code:

A unique code assigned by the service provider to identify the transaction.

Settlement Type:

A code indicating whether the imbalance quantities are subject to cash-out provisions.

Supplemental Quantity:

A quantity of gas that explains all or a portion of the difference between the allocated receipt quantity and the allocated delivery quantity.

Supplemental Quantity Type:

A code specifying the type of quantity in the supplemental quantity. For a given transaction, multiple supplemental quantity types can be sent. There should be a corresponding supplemental quantity for each supplemental quantity type sent.

Transaction Type:

A code used to identify the type of transaction which was requested by the service requester and scheduled by the service provider. The default value is routine current business. The field is populated if both parties have agreed to support the information and if it is provided to the statement preparer on the service requester's nomination.

Zone Identifier:

The service provider's geographic zone identification, if the service provider's business practices are such that imbalance resolution is handled at a zone level.

R97086

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: May 30, 1997

1. Submitting Entity & Address:

Transcontinental Gas Pipe Line Co. (Transco)
2800 Post Oak Blvd.
P O Box 1396
Houston, TX 77251

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name : Jim Keisler
Title : Sr. Staff Programmer/Analyst
Phone : 713-215-4322
Fax : 713-215-3946
E-mail : Jim.E.Keisler@TGPL.TWC.COM

3. Description of Proposed Standard or Enhancement:

Transco proposes that a Mutually Agreeable (MA) data element called Statement Type be added to the Imbalance Statement (Standard 2.4.3) to distinguish between Ending Imbalance Quantities that are not subject to cashout, and those Ending Imbalance Quantities that are subject to cashout.

The data element should in our view be at the same level of detail as the Ending Imbalance Quantity. Frequently, Transco has two (2) Ending Imbalance Quantities for a contract. The first Quantity represents the imbalance incurred prior to the institution of the cashout provisions, so these volumes are not subject to cashout; the second Quantity represents the imbalance incurred after the institution of the cashout provisions, so these volumes are subject to cashout.

The new data element should have two code values as follows:

-Subject to Cashout
-Not Subject to Cashout

R97086

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: May 30, 1997

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

Transco currently uses the Statement Types specified above to explain and communicate the nature of the Ending Imbalance Quantities presented on the Imbalance Statement. Our ability to use this data element in EDI exchanges is necessary to maintain our current level of service.

5. Description of Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

When this proposed modification is incorporated into the Standard, Transco and other pipelines who use similar accounting practices will be able to identify Ending Imbalance Quantities in conformance with current business practices.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:
None to minor.

7. Description of Any Specific Legal or Other Considerations:
None.

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List trading Partners Willing to Test Standards or Enhancement (Corporations and contacts):

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:
Unknown.

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions:
None.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Transco Request No.: R97093

1. Recommended Action:

___Accept as requested
_X_Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:	**Per Recommendation:**
_X_ Initiation	_X_ Initiation
_X_ Modification	_X_ Modification
___Interpretation	___Interpretation
___Withdrawal	___Withdrawal
___Principle (x.1.z)	___Principle (x.1.z)
___Definition (x.2.z)	___Definition (x.2.z)
___Business Practice Standard (x.3.z)	___Business Practice Standard (x.3.z)
___Document (x.4.z)	___Document (x.4.z)
_X_ Data Element (x.4.z)	_X_ Data Element (x.4.z)
___Code Value (x.4.z)	_X_ Code Value (x.4.z)
_X_ X12 Implementation Guide	_X_ X12 Implementation Guide
___Business Process Documentation	_X_ Business Process Documentation

3. RECOMMENDATION

Add the following data elements and code values, to the specified document(s):

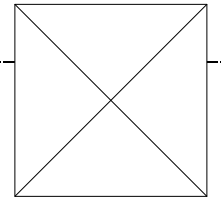
DATA DICTIONARY (for new documents and addition, modification or deletion of data elements)

Document Name and No.: Shipper Imbalance, 2.4.4

Business Name	**Definition**	**Usage**	**Condition**
Supplemental Quantity	*Quantity in standard units that reflects all, or a portion, of the difference between the Allocated Receipt Quantity and the Allocated Delivery Quantity.*	*SO*	
Supplemental Quantity Type	*Specifies the type of quantity in the Supplemental Quantity.*	*C*	*Mandatory when a Supplemental Quantity is present.*

* Indicates Common Code

Level: Both at sub-sub-detal level.



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Transco Request No.: R97093

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

Document Name and No.: Shipper Imbalance, 2.4.4

Business Name	Usage	Code Value	Code Value Description	Code Value Definition
Supplemental Quantity Type	*C*	*PTR*	*Plant Thermal Reduction*	*The reduction in the quantity of gas resulting from liquids extraction in gas plant processing.*
		FLASH	*Flash Gas*	*The quantity of gas released from liquid hydrocarbons, during the liquids extraction process in gas plant processing, as a result of an increase in temperature or a decrease in pressure.*
		UA4	*Lost/Unaccounted For Gas*	*The quantity of gas lost or otherwise unaccounted for.*

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Document Name and No.: Shipper Imbalance, 2.4.4

Description of Change:
G811IMBL - Shipper Imbalance (2.4.4)
Data Element Xref to X12
Sub-sub-detail - skip a line below the last QTY, and add a QTY line for the SO Supplemental Quantity and immediately below, add a SI line for C Supplemental Quantity Type as follows: "QTY SO Supplemental Quantity"; "SI C Supplemental Quantity Type"
X12 Mapping
For the QTY loop in the sub-sub-detail, change max use of QTY loop from ">1" to "10" (this is to match the 003040 X12 book). This was incorrectly specified in the version 1.3 books. It will show up in the EDISIM outline of the transaction set at the beginning of the X12 section.
Sub-sub-detail level QTY segment (position 750): QTY02: add a comma and the name "Supplemental Quantity" so the data elements appear in a comma separated list;
Sub-sub-detail level - Add a new SI segment within the QTY loop (as position 760) with an ANSI usage of Optional and a max use of 1 (to match the 003040 X12 book)
Sub-sub-detail level SI segment (position 760): SI segment notes: "For GISB, this segment is conditional. This segment is required when the corresponding QTY01 = 'VR'."
Sub-sub-detail level SI segment (position 760): SI01: code value "AP" - "American Petroleum Institute"; mark as Must Use; SI02: code value "SQ" - "Supplemental Quantity Type"; mark as Must Use; SI03: add note "Supplemental Quantity Type" ; code values: "PTR" - "Plant Thermal Reduction", "FLASH" - "Flash Gas", "UA4" - "Lost/Unaccounted For Gas"; mark as Must Use
Transaction Set Tables
"QTY Segments (sub-sub-detail)" table: add a new row to the end: Element Name column = "Supplemental Quantity"; Usage column = "SO"; QTY01 column = "VR"

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Transco Request No.: R97093

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

Shipper Imbalance, 2.4.4, Technical Implementation of Business Process

Language:
See attached document for modifications.

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Transco proposes that three (3) Mutually Agreeable (MA) data elements be added to the Imbalance Statement (Standard 2.4.3). These data elements are as follows:
-Shrinkage Gas Quantity
-Flash Gas Quantity
-Lost/Unaccounted for Gas Quantity

These data elements are similar to and at the same level of detail as the Fuel Quantity that currently exists on the Imbalance Statement . They represent additional types of quantities that explain the difference between received and delivered quantities. Accounting for gas quantities using these designations is a recognized accounting practice.
Definitions:
Shrinkage Gas Quantity - the reduction in the quantity of gas resulting from liquids extraction in gas plant processing.

Flash Gas Quantity - the quantity of gas released from liquid hydrocarbons as a result of an increase in temperature or a decrease in pressure.

Lost/Unaccounted for Gas Quantity - the quantity of gas lost or otherwise unaccounted for.

b. Description of Recommendation:

Information Requirements: August 18, 1998

R97093 – Transco

Discussed adding a field for quantity and combining the existing Fuel Quantity data element in with it. Decided not to do this because Fuel Quantity is mandatory and combining it would lose this usage.

MOTION: Add the following data elements and code values were applicable, to the specified document(s):

Document Name and No.: Shipper Imbalance, 2.4.4

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Transco Request No.: R97093

Business Name	Definition	Usage	Condition
Supplemental Quantity	Quantity in standard units that reflects all, or a portion, of the difference between the Allocated Receipt Quantity and the Allocated Delivery Quantity.	SO	

Level: Sub-sub-detail

* Should be able to send multiple supplemental quantities on a single document..

Business Name	Definition	Usage	Condition
Supplemental Quantity Type	Specifies the type of quantity in the Supplemental Quantity.	C	Mandatory when a Supplemental Quantity is present.

Level: Sub-sub-detail

CODE VALUES:

Business Name	Usage	Code Value	Code Value Description	Code Value Definition
Supplemental Quantity Type	C		Plant Thermal Reduction	The reduction in the quantity of gas resulting from liquids extraction in gas plant processing.
			Flash Gas	The quantity of gas released from liquid hydrocarbons, during the liquids extraction process in gas plant processing, as a result of an increase in temperature or a decrease in pressure.
			Lost/Unaccounted For Gas	The quantity of gas lost or otherwise unaccounted for.

* Discussion as to whether to add indicators or separate code values, etc to state whether the quantities are, or should be, positive or negative. Decided to leave them generic. Is in tariffs or implementation guides.

* We still need to make revisions to the TIBP for both R97086 and R97093. Jim Keisler will draft for next meeting.

Sense of the Room: August 18, 1998 10 In Favor 0 Opposed
Segment Check (if applicable):
In Favor: ___End-Users ___LDCs ___Pipelines ___Producers ___Services
Opposed: ___End-Users ___LDCs ___Pipelines ___Producers ___Services

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Transco Request No.: R97093

Information Requirements: October 13, 1998

R97086 & R97093 -- Transco
Jim Keisler reviewed his proposed revisions to the Shipper Imbalance TIBP. It was suggested to add the following language at the end of the "Supplemental Quantity Type": "For a given transaction, multiple supplemental quantity types can be sent. There should be a corresponding supplemental quantity for each supplemental quantity type sent."

All data element names will be lower case, as in all TIBPs."
To be added alphabetically under "Other Data Elements:

Settlement Type: A code indicating whether the imbalance quantities are subject to cash-out provisions. (R97086)

Supplemental Quanitity: A quantity of gas that explains all or a portion of the difference between the allocated receipt quantity and the allocated delivery quantity. (R97093)

Supplemental Quantity Type: A code specifying the type of quantity in the supplemental quantity. For a given transaction, multiple supplemental quantity types can be sent. There should be a corresponding supplemental quantity for each supplemental quantity type sent. (R97093)

[See attached modified Technical Implementation of Business Process for the Shipper Imbalance.]

MOTION to adopt the above:

Sense of the Room: October 13, 1998 6 In Favor 0 Opposed
Segment Check (if applicable):

In Favor:	___End-Users	___LDCs	___Pipelines	___Producers	___Services
Opposed:	___End-Users	___LDCs	___Pipelines	___Producers	___Services

Technical Subcommittee:

Sense of the Room: September 22, 1998 6 In Favor 0 Opposed
Segment Check (if applicable):

In Favor:	___End-Users	___LDCs	___Pipelines	___Producers	___Services
Opposed:	___End-Users	___LDCs	___Pipelines	___Producers	___Services

c. Business Purpose:

When this proposed modification is incorporated into the Standard, Transco and other pipelines who use similar accounting practices will be able to identify gas quantities in conformance with current business practices.

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

IR: See relevant minutes. Adopted as described without objection.

R97093

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: May 30, 1997

1. Submitting Entity & Address:

Transcontinental Gas Pipe Line Co. (Transco)
2800 Post Oak Blvd.
P O Box 1396
Houston, TX 77251

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name : Jim Keisler
Title : Sr. Staff Programmer/Analyst
Phone : 713-215-4322
Fax : 713-215-3946
E-mail : Jim.E.Keisler@TGPL.TWC.COM

3. Description of Proposed Standard or Enhancement:

Transco proposes that three (3) Mutually Agreeable (MA) data elements be added to the Imbalance Statement (Standard 2.4.3). These data elements are as follows:

-Shrinkage Gas Quantity
-Flash Gas Quantity
-Lost/Unaccounted for Gas Quantity

These data elements are similar to and at the same level of detail as the Fuel Quantity that currently exists on the Imbalance Statement . They represent additional types of quantities that explain the difference between received and delivered quantities. Accounting for gas quantities using these designations is a recognized accounting practice.

Definitions:
Shrinkage Gas Quantity - the reduction in the quantity of gas resulting from liquids extraction in gas plant processing.
Flash Gas Quantity - the quantity of gas released from liquid hydrocarbons as a result of an increase in temperature or a decrease in pressure.
Lost/Unaccounted for Gas Quantity - the quantity of gas lost or otherwise unaccounted for.

R97093

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: May 30, 1997

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

Transco currently uses the gas types specified above to explain and communicate differences between received and delivered volumes. Our ability to use these data elements in EDI exchanges is necessary to maintain our current level of service.

5. Description of Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

When this proposed modification is incorporated into the Standard, Transco and other pipelines who use similar accounting practices will be able to identify gas quantities in conformance with current business practices.

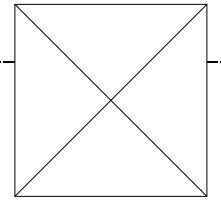
6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:
None.

7. Description of Any Specific Legal or Other Considerations:
None.

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List trading Partners Willing to Test Standards or Enhancement (Corporations and contacts):

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:
Unknown.

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions:
None.



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texas Gas Transmission **Request No.: R97108(B)**

1. Recommended Action:

___Accept as requested
_X_Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:	**Per Recommendation:**
___Initiation	___Initiation
_X_Modification	_X_Modification
___Interpretation	___Interpretation
___Withdrawal	___Withdrawal
___Principle (x.1.z)	___Principle (x.1.z)
___Definition (x.2.z)	___Definition (x.2.z)
___Business Practice Standard (x.3.z)	___Business Practice Standard (x.3.z)
___Document (x.4.z)	___Document (x.4.z)
_X_Data Element (x.4.z)	_X_Data Element (x.4.z)
___Code Value (x.4.z)	___Code Value (x.4.z)
_X_X12 Implementation Guide	_X_X12 Implementation Guide
___Business Process Documentation	___Business Process Documentation

3. RECOMMENDATION

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

Nominations Related Documents:

Document Name and No.: Request for Confirmation, 1.4.3

Business Name	**Definition**	**Usage**	**Condition**
Confirmation Service Identifier Code *	This field identifies the owner of the confirmation service contract.	C	*Mandatory when Confirmation Service Contract is sent.* ~~For Request for Confirmation - required if Confirmation Service Contract field is populated.~~

* Indicates Common Code

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texas Gas Transmission **Request No.: R97108(B)**

Document Name and No.: Confirmation Response, 1.4.4

Business Name	Definition	Usage	Condition
Confirmation Service Identifier Code *	This field identifies the owner of the confirmation service contract.	C	*Mandatory when Confirmation Service Contract is sent.* ~~Required if Confirmation Service Contract field is populated.~~

* Indicates Common Code

Document Name and No.: Scheduled Quantity, 1.4.5

Business Name	Definition	Usage	Condition
Bid Transportation Rate	This field reflects the rate under which the shipper is requesting service.	C	Mandatory when ~~submitted~~ *present and processed* in the original nomination.
Downstream Contract Identifier	This field identifies the contract of the party who is receiving the quantities from the service requester.	BC (C)	Mandatory when ~~submitted~~ *present and processed* in the original nomination. This element is not needed when the Nominator's Tracking ID is used.
Upstream Contract Identifier	This field identifies the contract of the party who is supplying the quantities from the service requester.	BC (C)	Mandatory when ~~submitted~~ *present and processed* in the original nomination. This element is not needed when the Nominator's Tracking ID is used.

* Indicates Common Code

Document Name and No.: Scheduled Quantity for Operators, 1.4.6

Business Name	Definition	Usage	Condition
Confirmation Service Identifier Code *	This field identifies the owner of the confirmation service contract.	C	*Mandatory when Confirmation Service Contract is sent.* ~~Required if Confirmation Service Contract field is populated.~~
Confirmation Service Contract	Data element used to define a confirming party's right to make the confirmation.	C (BC)	Mandatory when present *and processed* in the confirmation process.
Downstream Contract Identifier	This field identifies the contract of the party who is receiving the quantities from the service requester.	BC (C)	Mandatory when present *and processed* in the confirmation process. This element is not needed when the Confirmation ~~Requester's~~ Tracking ~~Number~~ *Identifier* is used.

Upstream Contract Identifier	This field identifies the contract of the party who is supplying the quantities from the service requester.	BC (C)	Mandatory when present *and processed* in the confirmation process. This element is not needed when the Confirmation ~~Requester's~~ Tracking ~~Number~~ *Identifier* is used.

* Indicates Common Code

Flowing Gas Documents:

Document Name and No.: Allocation, 2.4.3

Business Name	Definition	Usage	Condition
Downstream Contract Identifier	This field identifies the contract of the party who is receiving the quantities from the service requester.	BC (C)	Mandatory when *present and processed* ~~originally submitted~~ in the *original* nomination.
Upstream Contract Identifier	This field identifies the contract of the party who is supplying the quantities from the service requester.	BC (C)	Mandatory when *present and processed* ~~originally submitted~~ in the *original* nomination.

* Indicates Common Code

Capacity Release Documents:

Document Name and No.: Firm Transportation and Storage - Offer
Firm Transportation and Storage - Bid Review
Firm Transportation and Storage - Award Notice

Business Name	Definition	Usage	Condition
Seasonal End Date	End date of the effective period of subterm or seasonal releases within the release term.	C	Mandatory when *present and processed* ~~provided~~ in the Upload to Pipeline of Prearranged Deal.
Seasonal Start Date	Start date of the effective period of subterm or seasonal releases within the release term.	C	Mandatory when *present and processed* ~~provided~~ in the Upload to Pipeline of Prearranged Deal.

* Indicates Common Code

Document Name and No.: UPPD - Notification, 5.4.9

Business Name	Definition	Usage	Condition
Bidder Contact E-mail Address	The e-mail address of the bidder's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.

Bidder Contact Fax Number	The fax number of the bidder's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Bidder Contact Name	The name of the bidder's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Bidder Contact Phone Number	The phone number of the bidder's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Minimum Acceptable Total Volumetric Quantity	The minimum acceptable total volumetric quantity that the releasing shipper will entertain for the bidder to pay for on a volumetric basis.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Minimum Acceptable Volumetric Commitment Percentage	The minimum acceptable volumetric commitment percentage that the releasing shipper will entertain for the bidder to pay for on a volumetric basis.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Minimum Acceptable Volumetric Load Factor Percentage	The minimum acceptable volumetric load factor percentage utilization, provided by the releasing shipper fro transportation service providers to evaluate volumetric bids.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Minimum Volumetric Commitment Percentage	The minimum volumetric commitment percentage the bidder agrees to pay for on a volumetric basis.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Minimum Volumetric Commitment Quantity	The minimum quantity that the bidder agrees to pay for on a volumetric basis.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Release Type	A code which allows classification of the release to allow determination of any special terms in the tariff (i.e. applicable bid periods).	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Releaser Contact E-mail Address	The e-mail address of the releaser primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Releaser Contact Fax Number	The fax number of the releaser primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Releaser Contact Name	The name of the releaser primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Releaser Contact Phone Number	The phone number of the releaser primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.

Return Addressee Contact E-mail Address	The e-mail address of the return addressee primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Return Addressee Contact Fax Number	The fax number of the return addressee's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Return Addressee Contact Name	The name of the return addressee's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Return Addressee Contact Phone Number	The phone number of the return addressee's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Seasonal End Date	End date of the effective period of subterm or seasonal releases within the release term.	C	Mandatory when *present and processed* ~~provided~~ in the original UPPD.
Seasonal Start Date	Start date of the effective period of subterm or seasonal releases within the release term.	C	Mandatory when *present and processed* ~~provided~~ in the original UPPD.

* Indicates Common Code

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Document Name and No.: Request for Confirmation, 1.4.3
Confirmation Response, 1.4.4
Scheduled Quantity, 1.4.5
Scheduled Quantity for Operator, 1.4.6
Allocation, 2.4.3
UPPD - Notification, 5.4.9

Description of Change:
G850RQCF - Request for Confirmation (1.4.3)
Transaction Set Tables
"N1 Segments (Detail)" table: in "Usage:" section below the table, change C1 to the following: "C1 Mandatory when the Confirmation Service Contract (PO107) is present."
G855RRFC - Confirmation Response (1.4.4)
Transaction Set Tables
"N1 Segments (Detail)" table: in "Usage:" section below the table, change C1 to the following: "C1 Mandatory when the Confirmation Service Contract (PO107) is present."
G865SQTS - Scheduled Quantity (1.4.5)
X12 Mapping
SLN segment, SLN06; change "For GISB, this element is mandatory when submitted in the nomination" to "For GISB, this element is conditional."
Transaction Set Tables

"SI 1000/234 Pairs (Sub-detail)" table: change usage from C1 to C4 for both Upstream Contract Identifier and Downstream Contract Identifier; add C4 in "Usage:" section below the table; "C4 Mandatory when present and processed in the original nomination."
G865SQOP - Scheduled Quantity for Operator (1.4.6)
Transaction Set Tables
"N1 Segments (Detail)" table: in "Usage:" section below the table, change C1 to the following: "C1 Mandatory when the Confirmation Service Contract (POC09) is present."
"SI 1000/234 Pairs (Sub-detail)" table: change usage from C1 to C3 for both Downstream Contract Identifier and Upstream Contract Identifier; add C3 in "Usage:" section below the table; "C3 Mandatory when present and processed in the confirmation process."
G865ALLC - Allocation (2.4.3)
Transaction Set Tables
"SI 1000/234 Pairs (Sub-detail)" table: in "Usage:" section, for conditions C1 and C2: change sentence "Mandatory when originally submitted in the nomination" to "Mandatory when present and processed in the original nomination" The rest of the notes for C1 and C2 remain the same.
G840UDRC - UPPD - Notification (5.4.9)
Transaction Set Tables
"LIN 235/234 Pairs (Heading)" table: in "Usage:" section, for condition C1: change C1 from "Mandatory when submitted in the original UPPD" to "Mandatory when present and processed in the original Offer UPPD."
"SAC Segment (Detail)" table: in "Usage:" section, for condition C4: change C4 from "Mandatory when submitted in original UPPD" to "Mandatory when present and processed in the original UPPD."
"SDQ 67/380 Pairs (Detail)" table: in "Usage:" section, for condition C1: change C1 from "Mandatory when submitted in original UPPD" to "Mandatory when present and processed in the original UPPD."

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Revise the usage of the Capacity Type Indicator, contained in Standard 1.4.1 (Nominations) from Mutually Agreeable (MA) to Business Conditional (BC).

b. Description of Recommendation:

Business Practices Subcommittee

The motion was made to:
Change Standard 1.3.27 from "Capacity Type Indicator (where mutually agreed)" to "Capacity Type Indicator (when applicable)" and,

Provide the instruction to the Information Requirements Subcommittee (IR) as follows:
Change the usage code of the Capacity Type Indicator contained in Standard 1.4.1 from Mutually Agreeable (MA) to Business Conditional (BC). Change the usage code of the Capacity Type Indicator contained in Standard 1.4.5 from Mutually Agreeable (MA) to Conditional (C) with the condition of "mandatory when present and processed in the nomination".

Sense of the Room: October 2, 1997 14 In Favor 0 Opposed

Segment Check (if applicable):

In Favor:	1 End-Users	1 LDCs	10 Pipelines	1 Producers	1 Services
Opposed:	End-Users	LDCs	Pipelines	Producers	Services

A motion was made that:
The BPS requests that the IR review the data dictionaries for all transactions and examine the conditionality of conditional data elements which relate back to a business conditional data element. The examination of the conditional data elements would be for the conforming language of "mandatory when present and processed".

Sense of the Room: October 2, 1997 14 In Favor 0 Opposed

Segment Check (if applicable):

In Favor:	1 End-Users	1 LDCs	10 Pipelines	1 Producers	1 Services
Opposed:	End-Users	LDCs	Pipelines	Producers	Services

Information Requirements Subcommittee

Split request into 'A', which is Capacity Type Indicator and 'B', which is revision to condition of [business] conditional data elements ("present and processed"). [R

IR chairs will identify global revisions to the Condition of all conditional data elements that are based on 'BC' data elements. 'B' will be addressed at a subsequent IR meeting.

Sense of the Room: December 9, 1997 9 In Favor 0 Opposed

Segment Check (if applicable):

In Favor:	End-Users	LDCs	Pipelines	Producers	Services
Opposed:	End-Users	LDCs	Pipelines	Producers	Services

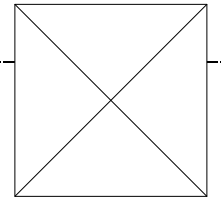
Nomination Related Documents:

Document: Request for Confirmation, 1.4.3
Data Element: Confirmation Service Identifier Code
Modified Condition: For Request for Confirmation - required if Confirmation Service Contract field is ~~populated~~ *present and processed*.

Document: Confirmation Response, 1.4.4
Data Element: Confirmation Service Identifier Code
Modified Condition: Required if Confirmation Service Contract field is ~~populated~~ *present and processed*.

Document: Scheduled Quantity, 1.4.5
Data Element: Bid Transportation Rate
Modified Condition: Mandatory when ~~submitted~~ *present and processed* in the original nomination.

Document: Scheduled Quantity, 1.4.5
Data Element: Downstream Contract Identifier
Modified Condition: Mandatory when ~~submitted~~ *present and processed* in the original nomination. This element is not needed when the Nominator's Tracking ID is used.



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texas Gas Transmission **Request No.: R97108(B)**

Document: Scheduled Quantity, 1.4.5
Data Element: Upstream Contract Identifier
Modified Condition: Mandatory when ~~submitted~~ *present and processed* in the original nomination. This element is not needed when the Nominator's Tracking ID is used.

Document: Scheduled Quantity for Operator, 1.4.6
Data Element: Confirmation Service Contract
Modified Condition: Mandatory when present *and processed* in the confirmation process.

Document: Scheduled Quantity for Operator, 1.4.6
Data Element: Confirmation Service Identifier Code
Modified Condition: Required if Confirmation Service Contract field is ~~populated~~ *present and processed*.

Document: Scheduled Quantity for Operator, 1.4.6
Data Element: Downstream Contract Identifier
Modified Condition: Mandatory when present *and processed* in the confirmation process. This element is not needed when the Confirmation ~~Requester's~~ Tracking ~~Number~~ *Identifier* is used.

Document: Scheduled Quantity for Operator, 1.4.6
Data Element: Upstream Contract Identifier
Modified Condition: Mandatory when present *and processed* in the confirmation process. This element is not needed when the Confirmation Tracking Identifier is used.

Motion: Adopt the above changes for the Nomination related data sets. In addition, as a note to BPS, the following will be sent back: IR believes that a similar process should be undertaken for Mutually Agreeable data elements. That is, IR proposes to review the data dictionaries for all transactions and examine the conditionality of conditional data elements which relate back to a mutually agreeable data element. The examination of the conditional data elements would be for the conforming language of "mandatory when present and mutually agreed to."

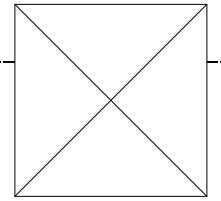
Sense of the Room: May 18, 1998 6 In Favor 0 Opposed
Segment Check (if applicable):

In Favor:	___End-Users	___LDCs	___Pipelines	___Producers	___Services
Opposed:	___End-Users	___LDCs	___Pipelines	___Producers	___Services

Flowing Gas Related Documents:

Document: Allocation
Data Element: Downstream Contract Identifier
Modified Condition: Mandatory when *present and processed* ~~originally submitted~~ in the *original* nomination.

Document: Allocation
Data Element: Upstream Contract Identifier
Modified Condition: Mandatory when *present and processed* ~~originally submitted~~ in the *original* nomination.



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texas Gas Transmission **Request No.: R97108(B)**

Motion: Adopt the above changes for the flowing gas related data sets.

Sense of the Room: May 18, 1998 6 In Favor 0 Opposed
Segment Check (if applicable):
In Favor: ___End-Users ___LDCs ___Pipelines ___Producers ___Services
Opposed: ___End-Users ___LDCs ___Pipelines ___Producers ___Services

Invoicing Related Datasets:

Motion: No changes necessary**.**

Sense of the Room: May 18, 1998 6 In Favor 0 Opposed
Segment Check (if applicable):
In Favor: ___End-Users ___LDCs ___Pipelines ___Producers ___Services
Opposed: ___End-Users ___LDCs ___Pipelines ___Producers ___Services

Capacity Release Related Datasets:

Document: Offer, 5.4.1, Bid Review, 5.4.2; Award Notice, 5.4.3
Data Element: Seasonal End Date
Modified Condition: Mandatory when *present and processed* ~~provided~~ in the Upload to Pipeline of Prearranged Deal.

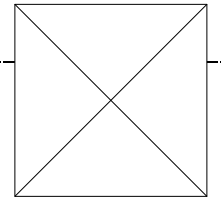
Document: Offer, 5.4.1, Bid Review, 5.4.2; Award Notice, 5.4.3
Data Element: Seasonal Start Date
Modified Condition: Mandatory when *present and processed* ~~provided~~ in the Upload to Pipeline of Prearranged Deal.

Document: UPPD - Notification, 5.4.9
Data Element: Various, see table below
Modified Condition: Various, see table below.

Document Name and No.: UPPD - Notification, 5.4.9

Business Name	Definition	Usage	Condition
Bidder Contact E-mail Address	The e-mail address of the bidder's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Bidder Contact Fax Number	The fax number of the bidder's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Bidder Contact Name	The name of the bidder's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Bidder Contact Phone Number	The phone number of the bidder's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.

Minimum Acceptable Total Volumetric Quantity	The minimum acceptable total volumetric quantity that the releasing shipper will entertain for the bidder to pay for on a volumetric basis.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Minimum Acceptable Volumetric Commitment Percentage	The minimum acceptable volumetric commitment percentage that the releasing shipper will entertain for the bidder to pay for on a volumetric basis.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Minimum Acceptable Volumetric Load Factor Percentage	The minimum acceptable volumetric load factor percentage utilization, provided by the releasing shipper fro transportation service providers to evaluate volumetric bids.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Minimum Volumetric Commitment Percentage	The minimum volumetric commitment percentage the bidder agrees to pay for on a volumetric basis.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Minimum Volumetric Commitment Quantity	The minimum quantity that the bidder agrees to pay for on a volumetric basis.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Release Type	A code which allows classification of the release to allow determination of any special terms in the tariff (i.e. applicable bid periods).	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Releaser Contact E-mail Address	The e-mail address of the releaser primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Releaser Contact Fax Number	The fax number of the releaser primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Releaser Contact Name	The name of the releaser primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Releaser Contact Phone Number	The phone number of the releaser primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Return Addressee Contact E-mail Address	The e-mail address of the return addressee primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Return Addressee Contact Fax Number	The fax number of the return addressee's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Return Addressee Contact Name	The name of the return addressee's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texas Gas Transmission **Request No.: R97108(B)**

Return Addressee Contact Phone Number	The phone number of the return addressee's primary contact.	C	Mandatory when *present and processed* ~~submittted~~ in the original UPPD.
Seasonal End Date	End date of the effective period of subterm or seasonal releases within the release term.	C	Mandatory when *present and processed* ~~provided~~ in the original UPPD.
Seasonal Start Date	Start date of the effective period of subterm or seasonal releases within the release term.	C	Mandatory when *present and processed* ~~provided~~ in the original UPPD.

* Indicates Common Code

Motion: Adopt the above changes for the capacity release related data sets.

Sense of the Room: May 18, 1998 __6__ In Favor __0__ Opposed
Segment Check (if applicable):
In Favor: ___End-Users ___LDCs ___Pipelines ___Producers ___Services
Opposed: ___End-Users ___LDCs ___Pipelines ___Producers ___Services

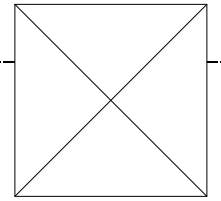
Information Requirements Subcommittee: August 18, 1997

R97108B:

Technical has questions on information passed to them by IR. The question is regarding the Condition of the Confirmation Service Identifier Code in the Request for Confirmation, Confirmation Response and Scheduled Quantity for Operator. The proposed Condition for all three documents states: "Required if Confirmation Service Contract field is present and processed."

The Conf data element is conditional on a BC data element that is in the same document, as opposed to a data element in a different document.

	Conf Service Contract	**Conf Service ID Code**
RFC	BC – Mandatory when confirmation is under a contract.	C - Mandatory when Confirmation Service Contract is sent
CR	BC – Mandatory when confirmation is under a contract.	C - Mandatory when Confirmation Service Contract is sent
unsolicited CR	BC – Mandatory when confirmation is under a contract.	C - Mandatory when Confirmation Service Contract is sent
SQOP	C – Mandatory when present in the confirmation process.	C - Mandatory when Confirmation Service Contract is sent



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texas Gas Transmission **Request No.: R97108(B)**

Is there a concern for the unsolicited Confirmation Response – question is where is it "present"? Is not a problem. The Condition of the Confirmation Service Identifier Code applies to the Confirmation Service Contract that is contained in the same document.

MOTION:
Strike the phrase "and processed" from the Condition for the Confirmation Service Identifier Code data element in the Request for Confirmation, Confirmation Response and Scheduled Quantity for Operator.

Sense of the Room: August 18, 1998 7 In Favor 0 Opposed
Segment Check (if applicable):

In Favor:	___End-Users	___LDCs	___Pipelines	___Producers	___Services
Opposed:	___End-Users	___LDCs	___Pipelines	___Producers	___Services

Technical Subcommittee

Sense of the Room: August 17, 1998 5 In Favor 0 Opposed
Segment Check (if applicable):

In Favor:	___End-Users	___LDCs	___Pipelines	___Producers	___Services
Opposed:	___End-Users	___LDCs	___Pipelines	___Producers	___Services

This request was considered by Technical at the 8/17/98 meeting, but there were questions about the new condition of Confirmation Service Identifier Code. These questions were passed back to IR. IR answered the questions and revised the condition and the technical implementation for the Confirmation Service Identifier Code was developed.

Sense of the Room: September 22, 1998 6 In Favor 0 Opposed
Segment Check (if applicable):

In Favor:	___End-Users	___LDCs	___Pipelines	___Producers	___Services
Opposed:	___End-Users	___LDCs	___Pipelines	___Producers	___Services

c. Business Purpose:

Consistency of conditions for BC data elements across data sets.

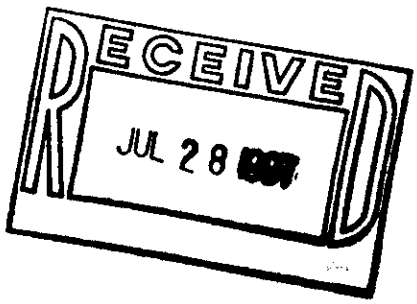
d. Commentary/Rationale of Subcommittee(s)/Task Force(s):

IR: Implemented per BPS recommendation, no objections noted. Modified per Technical Subcommittee's questions by IR on August 18, 1998. Recommendation form reflects modifications.

R97108

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: July 28, 1997



1. Submitting Entity & Address:

Texas Gas Transmission
P.O. Box 20008
Owensboro, KY 42304

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name : Thomas A. Mischel
Title : Manager, Transportation Services
Phone : (502) 688-6728
Fax : (502) 683-6431
E-mail : mischel@txg.twc.com

3. Description of Proposed Standard or Enhancement:

Revise the usage code of the Capacity Type Indicator, contained in Standard 1.4.1 (Nominations), from Mutually Agreeable (MA) to Business Conditional (BC).

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

The change of the usage code on the Capacity Type Indicator from Mutually Agreeable (MA) to Business Conditional (BC) is necessary for Texas Gas to maintain the service options currently offered today. Texas Gas's tariff provides that firm shippers shall have use of secondary receipt points located within the same zone as their primary receipt point and in zones downstream of their primary receipt point(s) but upstream of their primary delivery point. Texas Gas also allows its firm shippers to utilize their primary

receipt point capacity rights at the pooling points. This requires the availability of coding to allow:

1. The firm shipper to communicate to Texas Gas which of its capacity rights (primary or secondary, or both) it is intending to utilize, and when applicable, who they are authorizing to utilize that primary receipt point capacity on their behalf. We are utilizing the Upstream ID and Upstream Contract Identifier for the latter, but rely on the capacity type indicator for the former.

2. The Transportation Aggregation Pooling Service (TAPS) shipper to communicate to Texas Gas its intent to utilize a firm shippers primary receipt point capacity, to supply that firm shipper at the pooling point and to identify the firm shipper whose rights they are utilizing. Texas Gas utilizes the Downstream ID and Downstream Contract Identifier for the latter, but relies on the capacity type indicator for the former.

3. For the appropriate allocation of capacity based on the priority rights of all shippers at each receipt and delivery meter.

Texas Gas has historically utilized a capacity type indicator as part of its key to identify and confirm whether a transaction is valid for the contract, and where applicable, is authorized by the firm shipper. During the GISB Phase I process, Texas Gas recognized the MA designation on the Capacity Type Indicator data element would be a problem. Texas Gas had hoped it could address this need in its GISB compliance filing and be allowed to default to the lowest priority of service available under the contract if the nominating party did not supply us with the Capacity Type Indicator. This was rejected by the Commission.

Accordingly, to afford our firm shippers with the same service options we offered in the pre-GISB environment, Texas Gas must have the Capacity Type Indicator Usage Code changed from MA to BC.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

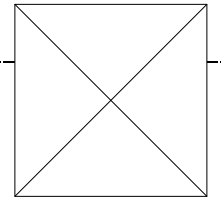
6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

7. Description of Any Specific Legal or Other Considerations:

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement (Corporations and contacts):

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners :

10. Attachments (such as : further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Exxon **Request No.: R98010**

1. Recommended Action:

___Accept as requested
_X_Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:	**Per Recommendation:**
_X_ Initiation	_X_ Initiation
_X_ Modification	_X_ Modification
___Interpretation	___Interpretation
___Withdrawal	___Withdrawal
___Principle (x.1.z)	___Principle (x.1.z)
___Definition (x.2.z)	___Definition (x.2.z)
___Business Practice Standard (x.3.z)	___Business Practice Standard (x.3.z)
___Document (x.4.z)	___Document (x.4.z)
_X_ Data Element (x.4.z)	_X_ Data Element (x.4.z)
___Code Value (x.4.z)	___Code Value (x.4.z)
_X_ X12 Implementation Guide	_X_ X12 Implementation Guide
___Business Process Documentation	___Business Process Documentation

3. RECOMMENDATION

Add 'Payment Remittance Total Amount' data element, to header level of Payment Remittance and modify the definition of 'Paid Amount' data element, as detailed below"

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

Document Name and No.: Payment Remittance, 3.4.2

Business Name	**Definition**	**Usage**	**Condition**
Payment Remittance Total Amount (Pmt Remit Tot Amt)	*The total amount of the payment which is the sum of all paid amounts.*	*M*	
Paid Amount (Pd Amt)	Amount paid *on the specified invoice.*	M	

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Exxon **Request No.: R98010**

Document Name and No.: Statement of Account, 3.4.3

Business Name	Definition	Usage	Condition
Paid Amount (Pd Amt)	Amount paid *on the specified invoice.*	SO	

* Indicates Common Code

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Document Name and No.: Payment Remittance, 3.4.2

Description of Change:
G820PYRM - Payment Remittance (3.4.2)
Data Element Xref to X12
Header BPR segment: add another line above data element "Payment Method Code" as "M Payment Remittance Total Amount"
Sample X12 Transaction
BPR segment: change 0 in BPR02 to 35.01. Resulting BPR will be "BPR*C*35.01*C*CHK"
X12 Mapping
Header BPR (position 020): BPR02: delete element note: "For GISB, send zero"; add note: "Payment Remittance Total Amount"

4. SUPPORTING DOCUMENTATION

a. Description of Request:

The ANSI Compliance Team requests the addition of the data element "Payment Remittance Total Amount" to the Payment Remittance data dictionary. The X12 use of this data element is to report the total payment amount for the Payment Remittance.

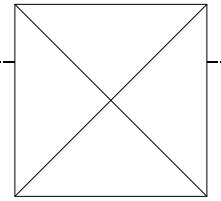
b. Description of Recommendation:

Information Requirements:

R98010 – Exxon -- Add 'Payment Remittance Total Amount' to Payment Remittance.

Currently there is a note in the implementation guide stating that the ANSI data element should be populated with a 'zero'. It is possible to send multiple invoices on one Payment Remittance. The existing GISB data element 'Paid Amount' is per invoice. The new data element is the total of the entire payment remittance document. This data is used by ANSI where payments are concerned to unambiguously state the amount of the entire payment remittance.

MOTION:
Add the following data element to the Payment Remittance:
Data Element: Payment Remittance Total Amount



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Exxon **Request No.: R98010**

Abbreviation: Pmt Remit Tot Amt
Definition: The total amount of the payment which is the sum of all Paid Amounts in this Payment Remittance.
Usage: M

Revise the definition of the existing 'Paid Amount' data element:
Current Definition: Amount paid.
Revised Definition: Amount paid on the specified invoice.

Sense of the Room: October 13, 1998 7 In Favor 0 Opposed
Segment Check (if applicable):
In Favor: ___End-Users ___LDCs ___Pipelines ___Producers ___Services
Opposed: ___End-Users ___LDCs ___Pipelines ___Producers ___Services

Technical Subcommittee:

Sense of the Room: October 30, 1998 7 In Favor 0 Opposed
Segment Check (if applicable):
In Favor: ___End-Users ___LDCs ___Pipelines ___Producers ___Services
Opposed: ___End-Users ___LDCs ___Pipelines ___Producers ___Services

c. Business Purpose:

When sending a Payment Remittance, the X12 standard is to send the total amount paid in the X12 document. This is a required X12 field. However, there is no corresponding GISB data element to use in this field. In the current GISB mapping, a zero is sent in the X12 field which should contain the payment remittance total amount. This is incorrect since it implies that the total payment amount is zero. If the "Payment Remittance Total Amount" data element is added to the GISB data dictionary, the correct value can be mapped to and communicated in this field.

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

IR: See relevant minutes. Adopted as described without objection.

R98010
Gas Industry Standards Board

Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: March 26, 1998

1. Submitting Entity & Address:

Bob Wallenhorst
Technical Subcommittee Co-Chair
Exxon
800 Bell
Houston TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name: Bob Wallenhorst
Phone: (713)656-5230
Email: robert.p.wallenhorst@exxon.sprint.com

3. Description of Proposed Standard or Enhancement:

The ANSI Compliance Team requests the addition of the data element "Payment Remittance Total Amount" to the Payment Remittance data dictionary. The X12 use of this data element is to report the total payment amount for the Payment Remittance.

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standards, any existing documentation of the proposed standard, and required communication protocols)**:**

When sending a Payment Remittance, the X12 standard is to send the total amount paid in the X12 document. This is a required X12 field. However, there is no corresponding GISB data element to use in this field. In the current GISB mapping, a zero is sent in the X12 field which should contain the payment remittance total amount. This is incorrect since it implies that the total payment amount is zero. If the “Payment Remittance Total Amount” data element is added to the GISB data dictionary, the correct value can be mapped to and communicated in this field.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

7. Description of Any Specific Legal or Other Considerations:

None

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement (Corporations and contacts)**:**

Not Applicable

9. If This Proposed Standard or Enhancement Is In Use, Who Are the Trading Partners:

Not Applicable

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

example of current and proposed X12 mappings

GISB Payment Remittance

Current X12 Mapping

.
.
.

Segment: BPR Beginning Segment for Payment Order/Remittance Advice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	BPR01	305	Transaction Handling Code C Payment Accompanies Remittance Advice I Remittance Only	M	ID	1/1
Must Use	***BPR02***	***782***	***Monetary Amount*** ***For GISB, send zero.***	***M***	***R***	***1/15***
Must Use	BPR03	478	Credit/Debit Flag Code	M	ID	1/1
Must Use	BPR04	591	Payment Method Code ACH Automated Clearing House (ACH) CHK Check FWT Federal Reserve Funds/Wire Transfer - Nonrepetitive	M	ID	3/3

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Proposed X12 Mapping

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Segment: BPR Beginning Segment for Payment Order/Remittance Advice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	BPR01	305	Transaction Handling Code C Payment Accompanies Remittance Advice I Remittance Only	M	ID	1/1
Must Use	***BPR02***	***782***	***Monetary Amount*** ***Payment Remittance Total Amount***	***M***	***R***	***1/15***
Must Use	BPR03	478	Credit/Debit Flag Code	M	ID	1/1
Must Use	BPR04	591	Payment Method Code ACH Automated Clearing House (ACH) CHK Check FWT Federal Reserve Funds/Wire Transfer - Nonrepetitive	M	ID	3/3

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4. PROPOSED STANDARDS - EII

- A set of recommended standards, both general and nominations related, from the EBB Internet Implementation Task Force is presented here for discussion and adoption by the Executive Committee. The votes necessary for adoption are at least 17 votes in favor, with at least 2 votes in favor from each segment.
- The recommended standards and comments and minutes of the task force meetings can be accessed from the GISB home page. The comments should be available on December 14.
- A ballot is attached which can be faxed into the GISB office if you are unable to attend the meeting on December 17. If you send in a ballot, you are voting on the recommendations as presented in these materials rather than any changes which may be agreed upon during the meeting on December 17.
- **The Executive Committee is asked to consider the requests and proposed standards (subcommittee and task force recommendations), and comments filed for each of the above requests and vote on them at a "17 and 2" level**[3]
- **The Executive Committee members who are not able to attend this meeting, and who have not asked an alternate to vote for them, are asked to complete the attached ballot and forward it to the GISB office no later than end of business December 15.**

[3]The "17 and 2" level of voting is required to adopt a standard: at least 17 of the 25 Executive Committee members must vote in the affirmative, and at least two members from each segment defined for the Executive Committee must vote in the affirmative.

Gas Industry Standards Board EBB Internet Implementation Task Force
Standards Recommended by the Task Force as of November 20, 1998
Sent Out For Industry Comment -- Due December 14, 1998

	Rev. Std.	Meeting Date	Language
			REVISIONS TO EXISTING STANDARDS
	4.2.8	3-Sep-98, 16-Oct-98	"Content Area" is the term used to describe the area directly to the right of the Navigational Area of the browser display. When the Navigational Area is not displayed the entire browser display is content area.
	4.3.2	2-Nov-98	On time stamping, data leaves control of the originator by the same time (deadline), regardless of mechanism (3rd party service provider time stamp is acceptable) and 15 minutes of communication time should be available to allow accumulation of all transactions to the pipeline. A standard network protocol (TCP/IP) should be in service for direct connect to the pipeline designated site by 4/1/97.
	4.3.8	2-Nov-98	The minimum acceptable protocol should be HTTP. All sending and receiving parties should be capable of sending and receiving using HTTP.
			NEW DEFINITIONS
d 9		1-Oct-98 20-Nov-98	"Form" is the term used to describe the portion of the Content Area of the browser display on Customer Activities Web sites used for single transaction entry as well as, optionally, data selection. The Form should be either in the upper portion of the Content Area or, alternatively, a single page linked to the Matrix.
d 10		1-Oct-98 20-Nov-98	"Matrix" is the term used to describe the portion of the Content Area of the browser display on the Customer Activities Web sites used to display selected data entered on the Form and, when appropriate, for data entry. The Matrix should be either the lower portion of the Content Area (that area below the Form) or, alternatively, a single page linked to the Form.
			NEW PRINCIPLES
p 10		20-Aug-98	As a general guideline, the initial phase of each business function category (of a multiple phase implementation) of "common look and feel" for Internet transactions that are not currently standardized should begin subsequent to the implementation of the currently standardized data sets to the Web. This does not preclude the implementation of new standardized data sets as they become available.
p 16		2-Nov-98	Transportation Service Provider EDM implementations should minimize the number of outbound ports required to be opened on the client-side firewall.
			NEW STANDARDS
s 8		14-Aug-98 2-Nov-98	The sub-categories and the labels for the category of Nominations should appear, if applicable, in the Navigational Area as follows: • Nomination • Confirmation • Scheduled Quantity 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.

Status Codes: c - date sent out for industry comment, e - date item passed by Executive Committee, r - date ratified, f - date item failed by Executive Committee, p - date postponed

	Rev. Std.	Meeting Date	Language
s 24		3-Sep-98 10-16-98	On the Nominations Web page, data should be organized in the Form in logical groupings. The logical groupings of data are specified in the Nominations Data Dictionary.
s 39		1-Oct-98	On Customer Activities Web sites, nominations data entry should be available on the Form and the Transportation Service Provider may also provide for nominations data entry on the Matrix.
s 40		1-Oct-98 2-Nov-98	On the nominations data entry screen, data should be organized in logical groupings as defined in the Data Dictionary. The initial data element should be: DATA GROUP — INITIAL ELEMENT Business Entity — Transportation Service Provider Contracts — Service Requester Contract Dates — Beginning Date Receipt — Receipt Location Delivery — Delivery Location Transaction Specific — Service Provider's Activity Code If the initial element is not present, the next supported data element becomes the initial element for that data group.
s 41		1-Oct-98	In the Form area of the nominations data entry screen, the data groups should appear in the following order: Business Entity, Contract, Dates, Receipt, Delivery and Transaction Specific.
s 44		1-Oct-98 20-Nov-98	When the Form and the Matrix for Customer Activities Web sites are separate Web pages, a subset of the Form may be included by the Transportation Service Provider in the upper Content Area of the Matrix page.
s 45		16-Oct-98	The nominations data area of Customer Activities Web sites should include a Form and a Matrix. The Form and the Matrix may be combined into one if no left and right scrolling is required to enter a nomination.

	Rev. Std.	Meeting Date	Language
s 46		16-Oct-98	On the nominations data entry screen, fields in the data groups on the Form should appear in the following order: Business Entity Data Group: 1. Transportation Service Provider 2. Service Requester Contracts Data Group: 1. Service Requester Contract 2. Model Type Dates Data Group: 1. Beginning Date 2. Beginning Time 3. Ending Date 4. Ending Time Receipt Data Group: 1. Receipt Location 2. Upstream Contract Identifier 3. Upstream Identifier Code 4. Receipt Quantity 5. Receipt Rank (Priority) 6. Upstream Rank (Priority) 7. Upstream Package ID Delivery Data Group: 1. Delivery Location 2. Downstream Contract Identifier 3. Downstream Identifier Code 4. Delivered Quantity 5. Delivery Rank (Priority) 6. Downstream Rank (Priority) 7. Downstream Package ID Transaction Specific Data Group: 1. Service Provider's Activity Code 2. Transaction Type 3. Package ID 4. Associated Contract 5. Bid Transportation Rate 6. Capacity Type Indicator 7. Deal Type 8. Nominator's Tracking ID
s 50		2-Nov-98	On Customer Activities Web sites, the following standard nomenclature should be used for processing functions, when the associated function is supported by the Transportation Service Provider (TSP). TSPs may also support additional processing functions. [Please refer to the table in the appendix for the abbreviations]
s 51		2-Nov-98	Transportation Service Providers should be limited to the GISB approved list of available TCP ports and UDP ports for EDM implementations included in the Appendix of the Electronic Delivery Mechanism Related Standards Manual under Client Firewall Requirements for Service Provider EDM Implementations.
s 52		2-Nov-98	Transportation Service Provider EDM implementations should not require any inbound ports to be opened on the client-side firewall.

	Rev. Std.	Meeting Date	Language
s 55		2-Nov-98	Providers of Customer Activities Web sites, at their discretion, may provide alternate views to data and transactions in addition to the GISB basic views. The alternate views should not replace GISB basic views and should be offered as separate views, if available. If an alternate view is offered, the GISB basic view should be the default view and clearly labeled as the GISB basic view. Any alternate or enhanced views must offer the same business result as the basic view and be accessible to all applicable users. The basic views must offer the same business result as the alternate or enhanced views and be accessible to all applicable users.
s 56		2-Nov-98	The Content Area of the nominations browser display should provide access to a query or listing of receipt and delivery point location names/common codes from which to pick, in order to populate this data during transaction entry or selection.
s 57		2-Nov-98	Validation Messages for nominations submitted should contain at least the same level of detail for GISB EBB/EDM as EDI/EDM.
s 58		2-Nov-98	Data fields used to populate or control population of other fields can be placed before the fields to be populated. If these data elements apply to the entire Content Area they can appear in the Header. If the Transportation Service Provider elects to place such data fields in an order outside of the standardized order, the labels for these data fields should be distinguishable through visual cues from the labels of data elements in the standardized order.
s 62		2-Nov-98	Each data element which has been submitted for standardization in the GISB process should follow the GISB ordered data elements on the Form within a data group selected by the Transportation Service Provider.
s 63		2-Nov-98 20-Nov-98	On the confirmation data entry screen, the data groups should be organized in logical groupings as defined in the Data Dictionary. The initial data element should be: DATA GROUP — INITIAL ELEMENT Business Entity — Confirmation Requester Contracts — Confirmation Service Contract Dates — Beginning Date Location — Location Transaction Specific — Contractual Flow Indicator

	Rev. Std.	Meeting Date	Language
s 64		2-Nov-98	On the confirmation data entry screen, one of the following confirmation views should be supported: Location View Contract View On the confirmation data entry screen for the location view, the data groups should appear in the following order: Business Entity Dates Location Contracts Transaction Specific On the confirmation data entry screen for the contract view, the data groups should appear in the following order: Business Entity Contracts Dates Location Transaction Specific
s 65		2-Nov-98	On the Scheduled Quantity Web page, data should be organized in logical groupings. The logical groupings of data are specified in the Scheduled Quantity Data Dictionary.
s 68		20-Nov-98	On the confirmation data entry screen, fields in the data groups should appear in the following order: Business Entity Data Group: 1. Confirmation Requester 2. Confirming Party 3. Transaction Identifier Contracts Data Group: 1. Confirmation Service Contract 2. Confirmation Service Identifier Code Dates Data Group: 1. Beginning Date 2. Beginning Time 3. Ending Date 4. Ending Time Location Data Group: 1. Location Transaction Specific Data Group: 1. Contractual Flow Indicator 2. Upstream Identifier/Downstream Identifier Code 3. Upstream Contract/Downstream Contract Identifier 4. Service Requester 5. Service Requester Contract 6. Package ID 7. Quantity 8. Reduction Reason (Confirmation Purposes Only) 9. Receipt Rank (Priority)/ Delivery Rank (Priority) 10. Upstream Package/Downstream Package ID 11. Associated Contract 12. Confirmation Tracking Identifier

	Rev. Std.	Meeting Date	Language
s 69		20-Nov-98	On the Scheduled Quantity Web page, fields in the data groups on the Form should appear in the following order: Business Entity Data Group: 1. Transportation Service Provider 2. Service Requester 3. Statement Date/Time Contracts Data Group: 1. Service Requester Contract 2. Model Type Dates Data Group: 1. Beginning Date 2. Beginning Time 3. Ending Date 4. Ending Time Receipt Data Group: 1. Receipt Location 2. Upstream Contract Identifier 3. Upstream Identifier 4. Receipt Quantity 5. Receipt Rank (Priority) 6. Upstream Package ID Delivery Data Group: 1. Delivery Location 2. Downstream Contract Identifier 3. Downstream Identifier 4. Delivery Quantity 5. Delivery Rank (Priority) 6. Downstream Package ID Transaction Specific Data Group: 1. Reduction Reason 2. Service Provider's Activity Code 3. Transaction Type 4. Package ID 5. Associated Contract 6. Bid Transaction Rate 7. Capacity Type Indicator 8. Deal Type 9. Nominator's Tracking ID 10. Fuel Quantity
s 70		20-Nov-98	The scheduled quantity Web page of Customer Activities Web sites should include a Form and a Matrix. The Form and the Matrix may be combined into one if no left and right scrolling is required.

	Rev. Std.	Meeting Date	Language
s 71		20-Nov-98	On the Scheduled Quantity Web page, fields in the data groups on the Form should appear in the following order: Business Entity Data Group: 1. Transportation Service Provider 2. Service Requester 3. Statement Date/Time Contracts Data Group: 1. Service Requester Contract 2. Model Type Dates Data Group: 1. Beginning Date 2. Beginning Time 3. Ending Date 4. Ending Time Receipt Data Group: 1. Receipt Location 2. Upstream Contract Identifier 3. Upstream Identifier 4. Receipt Quantity 5. Receipt Rank (Priority) 6. Upstream Package ID Delivery Data Group: 1. Delivery Location 2. Downstream Contract Identifier 3. Downstream Identifier 4. Delivery Quantity 5. Delivery Rank (Priority) 6. Downstream Package ID Transaction Specific Data Group: 1. Reduction Reason 2. Service Provider's Activity Code 3. Transaction Type 4. Package ID 5. Associated Contract 6. Bid Transaction Rate 7. Capacity Type Indicator 8. Deal Type 9. Nominator's Tracking ID 10. Fuel Quantity

Appendix
STATUS: Comment Period Began 10-18-98

Abbreviation Table for Recommended Standard s23

Full Name	Abbreviation
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 Operators	Sched Qty Oper
Flowing Gas Area	Flowing Gas
Pre-determined Allocation	PDA
Pre-determined Allocation Quick Response	PDA QR
Allocation	Allocation
Shipper Imbalance	Shipper Imbal
Measurement Information	Meas Info
Measured Volume Audit Statement	Meas Vol Audit
Invoicing Area	Invoicing
Invoice	Invoice
Service Requester Level Charge/Allowance Invoice	Svc Req Invc
Payment Remittance	Pmt Remit
Statement of Account	Stmt of Acct
Capacity Release Area	Capacity Release
Offers	Offers
Bids	Bids
Awards	Awards
Contracts Area	Contracts

Appendix
STATUS: Comment Period Began 11-23-98

Abbreviation Table for Recommended Standard s50

50. On Customer Activities Web sites, the following standard nomenclature should be used for processing functions when the associated function is supported by the Transportation Service Provider (TSP). TSPs may also support additional processing functions.

Processing Function	Nomenclature
Create a new line item for data entry in the Matrix.	New
Copy existing data on a screen or window.	Copy
Delete the current line item from the Matrix, the screen or the window prior to Submit.	Delete
Back out of a screen or window without executing the process, which will cause the loss of all updates since the last Submit.	Cancel
Print application data.	Print
Send record/records from the Matrix to the TSP for processing.	Submit
Sort displayed records based on specified criteria.	Sort
Retrieve information from the TSP based on specified criteria.	Retrieve
Post a line item from the Form to the Matrix as a change to the current line item in the Matrix prior to Submit.	Change
Clear fields on the Form.	Clear
Post a line item from the Form to the Matrix as a new record.	Add
Provide information regarding the current page or function.	Help
Filter displayed records based on specified criteria.	Filter

Appendix
STATUS: Comment Period Began 11-23-98

Implementation Guide Recommendations -- November 2, 1998

Client Firewall Requirements for Service Provider EDM Implementations

[To be placed in the Electronic Delivery Mechanism Related Standards manual as implementation guidelines]

The following is a list of allowable TCP ports available for use by a Service Provider. Upon request, the Transportation Service Provider (TSP) should indicate to their trading partners which specific ports they will require to be opened to conduct electronic communication.

Allowable TCP Ports (not UDP ports):	
HTTP	80, 5713, 6112, 6304, 8674, 7403
SSL	443
ICA	1494
RMI(Java)	1099-1100
Java Telnet	31415
TCP Optional	8001-8020[1]
Allowable UDP Ports (not TCP ports):	
Secure ICA	1604

There are other technologies available that will require additional ports to be opened, such as FTP, Telnet, and SMTP. If and when GISB approves such technologies, FTTF will modify this list of allowable ports accordingly.

The client-side firewall implementation and client browser settings should permit the downloading and installation of GISB approved plug-ins and modules. Please refer to the GISB defined Minimum Technical Characteristics for Accessing Customer Activities Web Sites for the listing of plug-ins and modules.

These guidelines will be reviewed and updated by the Future Technology Task Force, at a minimum, by the spring of each year and presented to the GISB Executive Committee for adoption by the June meeting of that group.

[1] The reservation of 20 optional ports was to provide room for implementations such as DCE, IIOP, and load balancing implementations. TSPs should endeavor to minimize the usage of these ports.

Gas Industry Standards Board EBB Internet Implementation Task Force
Recommended Standards from Industry Comment
Due November 13, 1998

#	Minutes Meeting Date	Group	**IN GROUP ORDER** Language
5A	14-Aug-98	d1	"Standard Client Configuration" is the term used to describe the configuration that allows simultaneous access to multiple industry Web sites.
17	14-Aug-98	d2	“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.
4.2.A.i	20-Aug-98	d3	"GISB EDI/EDM" is the term used to describe ANSI ASC X12 computer-to-computer electronic data interchange of information in files as mapped from the x.4.z GISB standards in the GISB Implementation Guides and communicated between trading partners over the Internet using the GISB Electronic Delivery Mechanism.
4.3.A.ii.a	20-Aug-98	d4	"GISB FF/EDM" is the term used to describe a standardized flat file computer-to-computer electronic data interchange of information in files as mapped from the x.4.z GISB standards. GISB FF/EDM is communicated between trading partners over the Internet using the GISB Electronic Delivery Mechanism.
4.3.A.iii	20-Aug-98	d5	'GISB EBB/EDM" is the term used to describe the GISB standardized electronic interchange of information for Customer Activities Web site presentations. GISB EBB/EDM is communicated between trading partners over the Internet using the GISB Electronic Delivery Mechanism for GISB EBB/EDM.
4.2.8	3-Sep-98, 16-Oct-98	d6	"Content Area" is the term used to describe the area directly to the right of the Navigational Area of the browser display. When the Navigational Area is not displayed the entire browser display is content area. [This a recommended replacement of GISB Standard No. existing 4.2.8]
54	17-Sep-98	d7	“Header” is the term used to describe the area at the top of the Content Area of the browser display.
55	17-Sep-98	d8	“Detail” is the term used to describe the area directly below the Header in the Content Area of the browser display.
4.2.7	16-Oct-98	d11	"Navigational Area" is the term used to describe the area on the left side of the browser display providing links to the Content Area and other navigational links. Navigational Area is not required to be displayed on Customer Activities Web pages where data entry, reporting or inquiry are displayed. [This a recommended replacement of GISB Standard No. existing 4.2.7]
4	14-Aug-98	p1	Web site standards should not preclude various levels of user response and inter-activity. Minimum levels of user response or inter-activity should be developed.

Gas Industry Standards Board EBB Internet Implementation Task Force
Recommended Standards from Industry Comment
Due November 13, 1998

#	Minutes Meeting Date	Group	**IN GROUP ORDER** Language
5	14-Aug-98	p2	Web site standards should not dictate or limit back-end development technology or systems. Industry Web sites should be accessible by a Standard Client Configuration.
12	14-Aug-98	p3	A standardized Web site navigational structure should be developed to provide access to business functions. The hierarchical relationship, structure and order for navigation on the Web site should be established in a standardized manner.
13	14-Aug-98	p4	Additional Informational Postings under Standard No. 4.3.6 which are not yet standardized for Web sites should be communicated over the Internet via a "'common look and feel" standardized Web page.
26	14-Aug-98	p5	Customer Activities Web sites should be designed for ease of user interaction.
28	14-Aug-98	p6	There should generally be a one-to-one relationship between data elements used for EDI and/or flat files and the data displayed on Customer Activities Web pages.
30	14-Aug-98	p7	Standard field name descriptors or abbreviations, and navigation and functional screen layouts should be used on all Customer Activities Web pages. There should be no standards for font size, colors, etc. Functional screen layouts should be developed as standards which would divide each transactional screen into separate areas and define which data elements belong in each specific area.
34.3	20-Aug-98	p8	Information that is constant for the displayed Content Area may be placed in the page Header.
34.5	20-Aug-98	p9	Data elements that have default values may be placed last to minimize scrolling.
47	20-Aug-98	p11	There is displayed information on Customer Activities Web sites which does not have a comparable data element in EDI; however, the data (e.g. totals, reports, calculations) is derived from other EDI data elements. Provision of such information does not require the development of an EDI data set to accomplish a one-to-one match. However, any Customer Activities Web function should be derivable from information available in EDI data sets.
4.3.O	3-Sep-98	p12	When standardized, all elements used in standard EBB/EDM, EDI/EDM and FF/EDM should be defined in the related GISB x.4.z standard. [An example and note are associated for illustrative purposes and can be found in the minutes.]
51.2	3-Sep-98	p13	For GISB FF/EDM, the content and usage of flat files should reasonably correspond to the GISB data sets used for GISB EDI/EDM.
51.6	3-Sep-98	p14	If GISB FF/EDM is implemented, flat files should be exchanged via the GISB EDI/EDM site or the Customer Activities Web site.
10A	17-Sep-98	p15	Trading partners should maintain redundant connections to the public Internet for GISB EDM Web sites, which include all GISB standardized Internet communication. These redundant connections should be topographically diverse (duality of) paths to minimize the probability of a single point of failure.

Gas Industry Standards Board EBB Internet Implementation Task Force
Recommended Standards from Industry Comment
Due November 13, 1998

#	Minutes Meeting Date	Group	**IN GROUP ORDER** Language
1	14-Aug-98	s1	Internet protocols should be used for accessing all industry business functions.
2	14-Aug-98	s2	Web browser interface should use Internet compatible common browser software.
3	14-Aug-98	s3	Industry Web sites should be accessible via the public Internet using common browser software.
6	14-Aug-98	s4	Each implementation of a current proprietary business function category on EBBs should remain available until such time as that business function category is tested and implemented via a Customer Activities Web site.
14	14-Aug-98	s5	Standard navigation should be used to access all business functions on industry Web sites.
16	14-Aug-98	s6	Navigation through the industry Web site menus should be consistent for location and technique.
19A	14-Aug-98	s7	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.
27	14-Aug-98	s13	A Customer Activities Web page may display information (data elements and code values) from multiple functionally related EDI data sets (i.e. nominated quantities and scheduled quantities may appear on the same Web screen).
29	14-Aug-98	s14	GISB standard code value descriptions should be displayed for code values where appropriate.
32	20-Aug-98	s15	The Customer Activities Web Site should include the name, nickname, or name abbreviation of the Transportation Service Provider in the browser title bar. The name of the business function should be displayed in the Header.
33	20-Aug-98	s16	Where they exist for the same business function, flat files and EDI should use the same nomenclature for data set names, data element names, code values and/or code value descriptions, abbreviations and message text. Corresponding Web pages should use data set names, data element names, code value descriptions, abbreviations and message text that correspond to those used in flat files and EDI, where they exist.
34.7	20-Aug-98	s17	Totals, when appropriate, should be displayed within the Content Area of the Web page in a manner which distinguishes them from the data.
34.8	20-Aug-98	s18	Where navigation and/or processing functions exist for a Customer Activity, the Content Area should contain navigation in the Header on the left and processing functions in the Header on the right.

Gas Industry Standards Board EBB Internet Implementation Task Force
Recommended Standards from Industry Comment
Due November 13, 1998

#	Minutes Meeting Date	Group	**IN GROUP ORDER** Language
34.9	20-Aug-98	s19	Navigation for input data lookups, if provided, should be placed near the field being looked up. Navigation for informational lookups, if provided, should be included in the Header.
38	20-Aug-98	s20	GISB Common Codes for entity and location should be available for data validation or selection (viewing) on a Customer Activities Web site and in a standardized downloadable format for use by customers and third party service providers. Cross-references to proprietary codes may be provided on a mutually agreeable basis.
4.3.A/L	17-Sep-98	s21	A Transportation Service Provider which determines to provide new features utilizing existing transaction sets via GISB EBB/EDM, for each transaction upon inception of support for such service, should: If GISB EDI/EDM or FF/EDM standards exist for the transaction set, provide the service via EDI/EDM, or FF/EDM or both, utilizing modifications defined by the Transportation Service Provider to the existing file structures; and, submit a request for modification or enhancement of the transaction set to GISB including details of the interim EBB/EDM, EDI/EDM and/or FF/EDM implementation.
4.3.Q	3-Sep-98	s22	Where a Transportation Service Provider (TSP) utilizes a subset of available GISB code values for specific data elements for inbound documents to the TSP, the TSP should make available a list of the supported code values in a download utilizing a GISB electronic format.
49	3-Sep-98	s23	With regard to navigational links on Customer Activities Web sites, when using abbreviations, the following should be used: [Please refer to the table in the appenidx for the abbreviations]
50A	3-Sep-98 10-16-98	s24	On the Nominations Web page, data should be organized in the Form in logical groupings. The logical groupings of data are specified in the nominations data dictionary.
52	3-Sep-98	s29	Where display information on a Customer Activities Web site is derivable from data provided in a previous upload or download, the information should not be included in the EDI/EDM standards [or FF/EDM standard, for later consideration] that directly correspond to the EBB/EDM Web page being displayed.
53	17-Sep-98	s30	The industry should use common codes for location points and legal entities when communicating via EDI/EDM, EBB/EDM and/or FF/EDM. The corresponding common code name should also be used in EBB/EDM.
57	17-Sep-98	s31	Customer Activities Web pages should support entry of the maximum length for valid data, however, display can be done in a manner to minimize left to right scrolling.
58	17-Sep-98	s32	On Customer Activities Web pages, informational display fields can be displayed with related data.

Gas Industry Standards Board EBB Internet Implementation Task Force
Recommended Standards from Industry Comment
Due November 13, 1998

#	Minutes Meeting Date	Group	**IN GROUP ORDER** Language
7A	17-Sep-98	s33	Providers of Customer Activities Web sites should ensure that the site operates within the guidelines of the “Technical Characteristics of the Client Workstation” described in the Appendix of the Electronic Delivery Mechanism Related Standards Manual. This appendix, listing examples of hardware and software configurations that providers should meet, should be reviewed and updated by the Future Technology Task Force, at a minimum, by the spring of each year and presented to the GISB Executive Committee for adoption by the June meeting of that committee.
8A	17-Sep-98	s34	Access to the Customer Activities Web Site should be protected by HTTP Basic Authentication or similar logon/password mechanism(s) using 40-bit encryption. A Customer Activities Web site should typically require a single logon/password pair for each user session.
8B	17-Sep-98	s35	At a minimum, data communications for Customer Activities Web sites should utilize 40-bit encryption. Where possible, 128-bit encryption is strongly recommended.
8C	17-Sep-98	s36	Custom downloadable modules presented by a Customer Activities Web site should be signed by the author. The signatures on these modules should be communicated in advance to Web site users.
8D	17-Sep-98	s37	In the Navigational Area of the Informational Postings Web Site, the navigational link for "Customer Activities" should appear directly above the navigational link for "Site Map."
9A	17-Sep-98	s38	Private network connections to GISB EDM Web sites which include all GISB standardized Internet communication may be at any point on the Transportation Service Provider's (TSP's) firewall boundary at the TSP's discretion on a non-discriminatory access basis. The specific type and speed of these connections should be mutually agreed. It is at the discretion of the TSP on how multiple private network connections should be managed, so long as such management is done on a non-discriminatory access basis. TSPs are not responsible for any additional security exposures when using these private network connections.
66	1-Oct-98	s42	The Transportation Service Provider's Customer Activities Web Site should include the name, nickname, or name abbreviation of the parent company and/or Transportation Service Provider so that it will appear first in the browser title bar.
68	1-Oct-98	s43	Columns and data fields that would contain data not supported by the Transportation Service Provider should be eliminated on display and/or entry, and left empty on download. [REPLACEMENT TO GISB STANDARD NO. 4.3.34]
73	16-Oct-98	s48	A Transportation Service Provider which determines to provide new services which do not utilize existing transaction sets via GISB EBB/EDM, should, prior to implementation submit a request for standardization to GISB including descriptions of the EBB/EDM, EDI/EDM and, as applicable, FF/EDM implementation.
74	16-Oct-98	s49	On Customer Activities Web pages, information which is not part of the data dictionaries may be displayed.

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Appendix

Abbreviation Table for Recommended Standard 49

Full Name	Abbreviation
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	Sched Qty Oper
Flowing Gas Area	Flowing Gas
Pre-determined Allocation	PDA
Pre-determined Allocation Quick Response	PDA QR
Allocation	Allocation
Shipper Imbalance	Shipper Imbal
Measurement Information	Meas Info
Measured Volume Audit Statement	Meas Vol Audit
Invoicing Area	Invoicing
Invoice	Invoice
Service Requester Level Charge/Allowance Invoice	Svc Req Invc
Payment Remittance	Pmt Remit
Statement of Account	Stmt of Acct
Capacity Release Area	Capacity Release
Offers	Offers
Bids	Bids
Awards	Awards
Contracts Area	Contracts

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Appendix

Implementation Guide Recommendations -- September 17, 1998
Amended October 1, 1998

Implementation Guide Content under Customer Activities Sites

Minimum Technical Characteristics of the Client Workstation
Configuration* Description:
Hardware:

CPU	>=	166 MHz
Memory	>=	64 MB Physical
Display Resolution	>=	800 x 600

Operating Systems:
Multi-threaded and preemptive
Connection:
>=56KB (V90)
Browser Characteristics (includes defined GISB current versions):

Features as supported by both Netscape®[1] v4.06 and Internet Explorer®[2] v4.0 sp1 including:

- Frames and nested frames
- Tables and nested tables
- Style Sheets
- HTML
- Cookies
- JavaScript
- SSL®[3] (40 Bit RSA)

- JAVA®[4] 1.1.6 Sun®[4] JDK (plug-in)
- ActiveX®[2] (Plug-in for Netscape®[1])
- ICA®[5] v4 (Plug-in)

*configuration shown indicates a minimum except where a specific level is established. "Minimum" implies a level where a reasonable experience for the user may be achieved. These levels also indicate the level that a user may expect that a client has been tested. Results may be less than satisfactory or may preclude use of a site if the user chooses to use anything less than those levels shown.

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1 Netscape® is a registered trademark of Netscape Communications Corp.
2 Internet Explorer® and ActiveX® are registered trademarks of Microsoft Corporation.
3 SSL® is a registered trademark of Solid State Logic Limited.
4 JAVA® and Sun® are registered trademarks of Sun Microsystems, Inc.
5 ICA® is a registered trademark of Citrix Systems, Inc.

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Example Configurations of Client for Accessing Customer Activities Sites[6]

EXAMPLES BELOW REPRESENT A NON-COMPREHENSIVE SET OF CONFIGURATIONS WHICH A CLIENT MAY USE. THIS EXAMPLE LIST IN NO WAY SHOULD BE CONSTRUED AS AN ENDORSEMENT BY GISB OF ANY SPECIFIC PRODUCTS. OTHER PRODUCTS MEETING THE MINIMUM TECHNICAL CHARACTERISTICS OF THE CLIENT WORKSTATION MAY BE MAY BE USED.

Hardware:
CPU: P166 MHz or higher
Memory >= 64 MB Physical
Display Resolution >= 800 x 600
Pointing Device with left and right click capability
Operating Systems:
Windows®[7] 95
Windows®[7] 98
Windows®[7] NT 4.0 service pack 3
Connection:
56KB (V90) modem
ISDN
Direct Connect (T1, Fractional T1…)
Browser:
Netscape®[8] Communicator/Navigator v4.06
Microsoft Internet Explorer®[9] v4.0 service pack 1
Plug-ins:
JAVA®[10] 1.1.6 Sun JDK (Activator)
ActiveX®[9] (Plug-in for Netscape)
ICA®[11] v4 (Plug-in)

SPECIFIC PRODUCTS SHOULD BE REVIEWED PRIOR TO IMPLEMENTATION FOR YEAR 2000 COMPLIANCE.

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[6] **Note to EII Task Force from the Future Technology Task Force (9/11/98):**
There is still a review of port numbers possibly needed to be opened on the client-side for certain protocols to be used. We want to arrive at a limited list on which users may rely to be able to access many TSP sites. Along with this, will be some other firewall administration notes addressing items such as applets. We intend to complete this draft in our October FTTF meeting.

[7] Windows® is a registered trademark of Microsoft Corporation.

[8] Netscape® is a registered trademark of Netscape Communications Corp.

[9] Internet Explorer® and ActiveX® are registered trademarks of Microsoft Corporation.

[10] JAVA® is a registered trademark of Sun Microsystems. Inc.

[11] ICA® is a registered trademark of Citrix Systems, Inc.

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Implementation Guide Recommendations -- September 17, 1998

Implementation Guide Content under Security for Customer Activities Sites

THE LIST OF PRODUCTS BELOW REPRESENT A NON-COMPREHENSIVE SET WHICH A CLIENT MAY USE. THIS LIST IN NO WAY SHOULD BE CONSTRUED AS AN ENDORSEMENT BY GISB OF ANY SPECIFIC PRODUCTS. OTHER PRODUCTS MEETING THE MINIMUM TECHNICAL CHARACTERISTICS OF THE CLIENT WORKSTATION MAY BE MAY BE USED.

[The GISB Future Technology Task Force will review this on an annual basis during the version check cycle.]

Minimum
40 bit* SSL® or 40 bit* RSA JAVA®[12] communications or 40 bit* Secure ICA®[13]
*128 bit encryption is strongly recommended where possible.

SPECIFIC PRODUCTS SHOULD BE REVIEWED PRIOR TO IMPLEMENTATION FOR YEAR 2000 COMPLIANCE.

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[12] JAVA® is a registered trademark of Sun Microsystems. Inc.
[13] ICA® is a registered trademark of Citrix Systems, Inc.

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Appendix

Implementation Guide Recommendations -- September 17, 1998

Implementation Guide Content under Redundancy

**In this context redundancy refers to normal operations redundancy (as opposed to disaster recovery contingencies).*

Customer Activities Sites

Users and providers should consider but not be limited to the following possibilities to achieve redundant connectivity:

1. Multiple dial-up connections
2. Multiple leased line connections
3. Multiple Internet service providers
4. Combinations of the above
5. Geographically diverse connections
6. Topographically diverse connections; i.e., connections which result in Internet pathways that do not pass through a single point/service/router
7. Multiple power sources for network equipment

Items 1-5 are potential means of achieving the defining characteristic of item 6. The intent is to eliminate the possibility of a single point of failure.

EDI/EDM Sites

Three possible approaches are:

1 Maintain multiple ISPs and multiple points of connectivity, each of which was identified by the same URL making the process of redundancy transparent to the sender.

2 Maintain different Internet connectivity URLs (presumably on topographically different ISPs). For this to result in communication redundancy, the sender should know of the existence of the secondary URL and have programming in place that will automatically switch batch-browser transmissions to the secondary URL when the primary URL is unavailable.

3 Maintain multiple connections to the same ISP. This involves only one URL but the presumption would be that the ISP would provide alternate diverse paths for the URL.

Receivers may maintain multiple URLs and, if such have been disclosed, the sender should attempt to use these during primary URL outages. The redundant public Internet connections can be through a single ISP or multiple ISPs.

If multiple URLs are provided for EDM access, the following conditions should be met:

1. The information provided by each URL should be exactly the same, although trans-ids can be different.
2. The trading partners should be informed of both URLs and their availability by system wide notice or by TPA.

Appendix

Implementation Guide Recommendations -- September 17, 1998

Implementation Guide Content under Redundancy (Continued)

The URLs should be identified as primary and secondary if either:

1. There is a TSP connection speed difference between the URLs (The faster connection listed as primary).

or

2. One URL is only available when the other is down (primary URL being the most available).

The URLs should be listed as primary and alternate if:

1. The URLs have the same TSP connection speed.

and

2. The URLs are customarily available simultaneously.

Note: A URL is considered available (in the context of communication redundancy) if all the IP facilities are properly functioning up to and including the HTTP service. This would include any TSP provided facilities including firewalls, DNS servers, routers, hubs, LANs, etc. that are between the TSP's HTTP server and the ISP's point of presence.

GAS INDUSTRY STANDARDS BOARD
GISB EXECUTIVE COMMITTEE MEETING
MEETING MATERIALS
DECEMBER 17, 1998

EXECUTIVE COMMITTEE BALLOT -- Due December 15, 1998

Please indicate your support for (✓) or opposition to (✗) the below proposed standards and interpretations:

☐ Title Transfer Tracking Standards

☐ Request No. R97086

☐ Request No. R97093

☐ Request No. R97108B

☐ Request No. R98010

☐ EBB Internet Implementation Standards

Committee Member Signature:

_____

Date:

_____

Please return your ballot by end of business December 15, 1998
Fax Number: 713-757-2491