

GAS INDUSTRY STANDARDS BOARD

BOARD OF DIRECTORS MEETING

JUNE 18, 1998



**GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
JUNE 18, 1998**

TABLE OF CONTENTS

Tab 1.	Introduction Material <ul style="list-style-type: none">- Meeting Announcement- Members of the Board of Directors and Terms- Antitrust Guidelines- Agenda
Tab 2.	Draft Minutes of March 3, 1998
Tab 3	EBB-Internet Transition Plan
Tab 4.	Sunset Vote <ul style="list-style-type: none">- Excerpt from the Certificate- Proposed Resolutions
Tab 5.	FERC/DOE Efforts <ul style="list-style-type: none">- Meeting Notes - DOE/FBI- Meeting Notes - Sandia Labs
Tab 6.	1998 Annual Plan Update <ul style="list-style-type: none">- 1998 Annual Plan Update as of June 1- Proposed Revisions as a Result of Order No. 587G- Maintenance Plan Update as of June 1
Tab 7.	1998 Financial Report <ul style="list-style-type: none">- Accrual Based Financial Report as of April 1998
Tab 8.	1998 Membership Report <ul style="list-style-type: none">- Membership List- Membership Calls
Tab 9.	Administrative <ul style="list-style-type: none">- Board Meetings in 1998- Executive Committee Meetings in 1998- Executive Committee Members, Task Forces & Chairs



GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
JUNE 18, 1998

1. WELCOME AND OPENING REMARKS

- The meeting is held at:
Sheraton Crown Hotel (located near the Intercontinental Airport, recently
renamed George R. Bush Airport)
15700 Kennedy Boulevard
Houston, Texas 77032
Phone: 281-442-5100

 - Time of the meeting is:
June 18, 1998: 9:00 a.m. to 1:00 p.m. central

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

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



1. ANTITRUST GUIDELINES

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





**GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
JUNE 18, 1998**

1. ADOPTION OF AGENDA

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





Gas Industry Standards Board

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

VIA FACSIMILE

May 15, 1998

TO: GISB Board of Directors
FROM: Rae McQuade, Executive Director
RE: Upcoming June 18 Board of Directors Meeting

MEETING ANNOUNCEMENT:

Attached please find the draft agenda for the upcoming Board of Directors meeting, which is scheduled for June 18. Materials will be sent to the Board members shortly, and posted on the home page for access by interested parties. Ballots will accompany the supporting materials for Board members who are unable to attend but wish to vote on issues notationally.

The meeting arrangements for the Board meeting are:

Where: Sheraton Crown Hotel & Conference Center
15700 J.F.K. Boulevard, Houston, Texas 77032
Phone: 281-442-5100
When: June 18, 1998
9:00 a.m. to 1:00 p.m.

The hotel is located in close proximity to the George R. Bush Airport (previously named Houston Intercontinental Airport) for the convenience of the Board members traveling to Houston. Lunch will be served during the meeting. I look forward to seeing you in Houston on June 18. Please feel free to call if you have any questions or comments, or additions to the agenda.

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



GISB BOARD OF DIRECTORS MEETING

Sheraton Crown Hotel, Houston, Texas
June 18, 1998 -- 9:00 a.m. to 1:00 p.m.

PROPOSED AGENDA

9:00 a.m.	1	Welcome & Administrative Items	T. Ciliske
		- Antitrust Guidelines	D. Holbrook
		- Adoption of Agenda	T. Ciliske
	2	Adoption of Minutes from March 3, 1998	T. Ciliske
			R. McQuade
	3	EBB-Internet Transition Models	M. Bray
			J. Hahn
			Model Drafters
	4	Sunset Discussion and Vote	T. Ciliske
			D. Holbrook
	5	FERC/DOE Efforts:	R. McQuade
		- President's Commission of Critical Infrastructure Protection	
		- Y2K Project	
	6	Report on Progress on the 1998 Annual Plan	M. Bray
		- Items Completed	J. Hahn
		- Items in Progress	
		- Items Requested to be Added	
	7	1998 Financial Report	R. McQuade
	8	1998 Membership Report	R. McQuade
		- 1998 Membership	
		- Projects to Attract New Members	
		Other Business	
1:00 p.m.		Adjourn	



**GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
JUNE 18, 1998**

2. ADOPTION OF MINUTES

- The draft minutes of March 3, 1998 were posted on the home page for review and are included in these materials for vote to adopt.
- The Board of Directors is requested to review the draft minutes, suggest changes if needed, and vote to adopt as minutes of the meeting. The vote is a simple majority vote.





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

**Sheraton Crown Hotel, Houston, Texas
March 3, 1998**

DRAFT MINUTES

1. Opening Remarks

Mr. Ciliske opened the Board of Directors meeting, welcomed the new members, thanked the exiting members, and announced the new Board members for 1998. M. Couch was thanked for his efforts in GISB and his leadership as the 1997 chairman with a gift from the Board. Mr. Holbrook provided the antitrust guidelines. The agenda was adopted as presented at the meeting. The minutes were adopted as presented. Mr. Ciliske noted that of the two notational ballots received on March 2, the resolution allowing for joint committees of the Board and Executive Committee, with chairman ship from either a member of the Board or Executive Committee passed. The resolution permitting agents to be members of the Executive Committee did not pass.

The Board reconsidered the resolution a vote taken notational regarding the seating of agents in the Executive Committee. After discussion and explanation of the modification to the bylaws drafted by Mr. Holbrook and Mr. Boswell, drafters of the modification, members of the end user segment noted that with more companies out-sourcing their procurement functions, agents should be permitted to sit on the Executive Committee. Another Board vote was taken and it passed. Those members absent from the Board meeting will be sent another notational ballot to register their views.

2. Report on Progress on the 1998 Annual Plan

Mr. Bray and Mr. Hahn reviewed the February progress report on the Annual Plan and the Maintenance Plan, (which was distributed at the meeting and can be downloaded from the GISB Home Page). Recent standards out for ratification regarding intraday nominations and the start-up of efforts for the development of standards for title transfer tracking were highlighted. In discussion on the EBB-Internet transition plan development, concern was raised by some Board members on the progress made toward development of the plan. The Board gave direction to the Executive Committee and its planning task force to develop the plan including the transition of the transactional functions and report back to the Board with a completed plan by June 1. If consensus cannot be reached, the plan should outline no more than three alternatives, (the modified plan is attached).

3. Report on March 31, 1998 Filing with the FERC regarding RM96-1-007

Mr. Holbrook is drafting the filing of GISB comments regarding the Notice of Proposed Rulemaking Docket No. RM96-1-007. It should be presented to the Editorial Review Board for their consideration on March 10, after which it should be filed with the FERC on March 17, and posted for public review.

4. Report on ANSI Accreditation of GISB as a Standards Development Organization

Mr. Holbrook reviewed the progress to date in efforts to obtain ANSI accreditation for GISB as a Standards Development Organization. The ANSI Executive Standards Council is meeting the same week as the Board to vote on the accreditation. Ms. McQuade sent a letter to the members of the committee requesting their support. [After the Board meeting, Ms. McQuade learned in conversations with the ANSI office that the vote on GISB accreditation had been tabled for consideration at a subsequent meeting].

5. 1998 Financial Report

Ms. Admire and Ms. McQuade reviewed the 1998 financial report. The accounts are accrual based. No concerns were raised.

6. 1998 Membership Report

Ms. McQuade reviewed the membership report. Letters were sent to prospective members asking them to join. We have had formal notice from eight members of their intentions not to rejoin, and we have attracted nine new members. The membership statistics are 1 government agency, 18 producers, 18 end users, 38 LDCs, 45 pipelines and 48 service companies.

7. Proposed Resolution on Membership Benefits & Membership Registration

A resolution on membership registration was presented by Ms. McQuade. A modification was made to the implementation that registration would be initiated by and modified through the primary voter/contact of the member company. The initial registration list would be compiled by the GISB office from meeting sign in sheets. The resolution passed unanimously.

8. Scope issue on new request: Gas Contract

Mr. Bray described the actions taken by the Executive Committee to recommend request R98002 out of scope. Mr. Wallace, the requester, described the request. After discussion the Board supported the Executive Committee recommendation and found the request out of scope, with two dissenting votes.

9. Discussion on upcoming Sunset Vote

The Board considered a alternative proposal to amend the certificate to extend the sunset vote time period to December 31, 1998. The motion was made and then withdrawn to vote on the amendment to the certificate at this meeting. The alternative proposal and the sunset vote will be considered at the Board meeting on June 18.

10. Adjourn

The meeting adjourned at 3:00 p.m. The next meeting of the Board will be in Houston on June 18 at a hotel in the Intercontinental Airport area.

- Attachments: 1. EBB-Internet Transition Plan
2. Membership Registration and Benefits Resolution

**GISB BOARD OF DIRECTORS
VOTING RECORD -- MARCH 3, 1998**

<u>Board Members</u>	<u>Resolution 1</u>	<u>Resolution 2</u>	<u>Resolution 3</u>	<u>Resolution 4</u>	<u>Resolution 5</u>
L.G. Brackeen	✓	✓	✓	✓	✓
John Stevens	✓	✓	absent	absent	absent
Jim Templeton	✓	✓	✓	✓	✓
Norm Davis	✓	✓	✓	✓	✓
Steve LaFond	✓	✓	✓	✓	✓
Walt DeForest	✗	✗	absent	absent	absent
Bill Boswell	✓	✓	✓	✓	✓
Mary Jane McCartney	✓	✓	✓	✓	✗
Andy Sonderman	✓	✓	✓	✓	✓
Lee Stewart	✓	✓	absent	absent	absent
Rick Baish	✓	✓	✓	✓	✓
Ron Mucci	✓	✓	✓	✓	✓
Stan Horton	✓	✓	✓	✓	✓
Bob Reid	✓	✓	absent	absent	absent
Terry McGill	not returned	not returned	✓	✓	✓
Allan Knopp	✗	✗	absent	absent	absent
Jeff Hutton	✗	✗	✓	✓	✓
Nancy Laird	✓	✗	✓	✓	✗
Richard Lindley	✓	✓	✓	✓	✓
Tammy Norman	✗	✗	absent	absent	absent
Steve Bergstrom	✓	✗	✓	✓	✓
Terry Ciliske	✓	✗	✓	✓	✓
Tim Janisse	✓	✓	✓	✓	✓
Greg Lander	✓	✓	✓	✓	✓
Julie Gomez	not returned	not returned	✓	✓	✓
Voting Requirement	Super	Super	Super	Simple	Simple
In Favor/Opposed	19/4	16/7	19/0	19/0	17/2
Segment Failure	None	Producers	None	None	None
Passed/Failed	Passed	Failed	Passed	Passed	Passed

- Resolution 1 March 2 Notational Ballot Item on Bylaws Change for Joint Committees
- Resolution 2 March 2 Notational Ballot Item on Bylaws Change for Membership of Agents on the Executive Committee
- Resolution 3 March 3 Reconsideration on Bylaws Change for Membership of Agents on the Executive Committee
- Resolution 4 March 3 Consideration of Membership Registration and Membership Benefits
- Resolution 5 March 3 Not In Scope Consideration of Request R98002

<u>Segment</u>	<u>Member</u>	<u>Attendance</u>	
		<u>Present</u>	<u>Absent</u>
<u>End Users:</u>	L.G. Brackeen	✓	
	John Stevens		✗
	Jim Templeton	✓	
	Norm Davis	✓	
	Steve LaFond	✓	
<u>LDCs:</u>	Walt DeForest		✗
	Bill Boswell	✓	
	Mary Jane McCartney	✓	
	Andy Sonderman	✓	
<u>Pipelines:</u>	Lee Stewart		✗
	Rick Baish	✓	
	Ron Mucci	✓	
	Stan Horton	✓	
	Bob Reid		✗
<u>Producers:</u>	Terry McGill	✓	
	Allan Knopp		✗
	Jeff Hutton	✓	
	Nancy Laird	✓	
	Richard Lindley	✓	
<u>Services:</u>	Tammy Norman		✗
	Steve Bergstrom	✓	
	Terry Ciliske	✓	
	Tim Janisse	✓	
	Greg Lander	✓	
<u>Presenters:</u>	Julie Gomez	✓	
	Mike Bray		Chairman Executive Committee
<u>Administrative</u>	Jerry Hahn		Vice Chairman, Executive Committee
	Mike Wallace		American Electric Power
	Rae McQuade		Executive Director
	Dennis Holbrook		General Counsel
	Veronica Thomason		GISB Staff
	Laurie Paulson		Hoffman Paulson Associates
	Jo Ann Garcia		GISB Staff
	Susan Admire		Admire & Associates, Accounting Services
	Shelley Corman		Enron Pipeline Group
	Tom Ehinger		Amoco
<u>Observers</u>	Theresa Hess		Enron -- Northern Natural
	Donna Scott		Enron Administrative Corp.
	Larry Smith		Tennessee Gas Pipeline
	Julie Unruh		Koch Gateway
	Kim Van Pelt		Duke Energy -- Panhandle Eastern
	Bob Wallenhorst		Exxon
	Randy Young		Koch Gateway
	Joyce Phillips		Texas Eastern Transmission
	Richard Smith		Mobil
	Jean Ford		Andersen Consulting
Gary Hodge		POSC	

GAS INDUSTRY STANDARDS BOARD
EBB INTERNET TRANSITION PLAN AS OF FEBRUARY 27, 1998
AMENDED BY THE BOARD OF DIRECTORS -- MARCH 3, 1998

1. On March 19, the team will request that the Executive Committee re-prioritize requests R97111 and R97120 for immediate attention by the appropriate subcommittees.
2. On March 19, assuming a simple majority vote from the Executive Committee to re-prioritize the requests, the chairmen of the appropriate subcommittees, defined by the Executive Committee in approval of the triage recommendations, will be notified of the expedited treatment for R97111 and R97120.
3. After the Internet standards for the postings on web sites are approved by the Executive Committee, they will be reviewed for applicability to the transactional-based Internet web sites. The Executive Committee will determine the appropriate group to perform the review and draft the recommendations to be sent to the Executive Committee for its consideration.
4. GISB has currently underway a concerted effort to draft a transition plan which addresses a migration for the industry regarding communication modality. The Board of Directors (BOD) has established a deadline of June 1, 1998 for the Executive Committee (EC) (and its related Task Forces) to report the results of its work. The EC is instructed to "drill down" to determine if there is EC consensus (17/2) on the "roadmap" that the industry will take in this migration. If consensus is reached by the EC, the results will be reported to the BOD by June 1. If consensus is not reached on a "single path," the EC will report back by June 1 on the several alternatives considered regarding the migration.
5. The plan ("roadmap") or alternatives will be presented to the Board of Directors by June 1, for discussion at its June 18 Board meeting.

GAS INDUSTRY STANDARDS BOARD
BOARD OF DIRECTORS RESOLUTION APPROVED MARCH 3, 1998
Membership Benefits Administration

Be it resolved that:

Membership benefits shall accrue to employees or member recognized agents of member companies with membership dues current.

A registration list of the representatives of member companies shall be maintained by the GISB office. The registration list will be used to determine who receives membership benefits, such as home page access to the standards, discounted education, and discounted materials.

The registration list will be used in meetings when votes are called, to ensure the rule of only one voting representative per company per meeting. A representative may represent only one company during any particular meeting per meeting. There is no prohibition on the number of companies an individual may be registered to represent; nor is there a limit on the number of individuals a particular company may register. However, an individual may not concurrently register to represent both member and non-member companies. The registration list will be used to determine qualification for holding office in GISB, such as chairman or vice-chairman of committees, subcommittees or task forces. The registration list will be published on the GISB Home Page.

Membership benefits will not accrue to individuals that represent non-member companies.

Implementation:

The initial registration will be based on the sign-in sheets at meetings and other information previously supplied to the GISB office. Once a representative has identified himself or herself as an employee or agent of a particular company, that representation will be in force. To serve as a registered representative of a given company, the individual must be an employee or agent of that company.

The registration will go into effect March 31, 1998.

To amend the registration list, a representative should contact the GISB office through written communication no later than one business day prior to the start of a meeting in which they choose to participate. The communication should be approved by the primary contact of the member company. Any formal communication from a company indicating company name changes or other information that would affect the registration list will immediately modify the registration list.

If the registration change affects the membership status, the representative will be notified that his or her membership status is affected -- access to the GISB home page, offices held within the GISB organization, discounts on services such as education or products. The changes as a result of the membership status will take place immediately.



3. EBB - INTERNET TRANSITION PLAN

- The EBB-Internet Transition Team forwards two models for Board consideration. The Executive Committee asks the Board of Directors to review the report and offer guidance. The report is attached and was also sent out under separate cover on June 1.





Gas Industry Standards Board, Inc.

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

May 30, 1998

TO: GISB Board of Directors

FROM: Rae McQuade, Executive Director

RE: June 1 Report to the Board of Directors re EBB-Internet Transition Plan

Attached please find the report from the EBB-Internet Transition Team to the Board of Directors. The GISB office takes this opportunity to thank the drafters of the report and the editors in suggesting changes to make it more readable: Mark Scheel of NGC Corp., Jim Buccigross of National Registry of Capacity Rights, Jerry Hahn of Texaco and Mike Novak of National Fuel Gas Distribution. This report has been posted on the GISB Home Page and will be included in the meeting materials for the upcoming Executive Committee meeting (June 11) and Board of Directors meeting (June 18).



GAS INDUSTRY STANDARDS BOARD

EBB - INTERNET TRANSITION PLAN

REPORT TO THE BOARD OF DIRECTORS

June 1, 1998



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

EBB-INTERNET TRANSITION PLAN

The EBB-Internet Transition Team, (referred to hereafter as "Team"), is pleased to present the following report to the Board of Directors for their review and determination of direction. Two models are presented by the Team. During the Executive Committee meeting on May 20, the decision was made to present both models to the Board. On the level of support from the Executive Committee, on May 21, a vote was taken which resulted in two votes in support and twenty-one votes in abstention as support for model 1, and nineteen votes in support and four votes in abstention as support for model 2.

The Team requests, which the Executive Committee endorsed, that the Board of Directors accept this report and give guidance regarding the two models and approaches at the Board meeting scheduled for June 18.

The report is organized into three sections: (1) an Executive Summary, (2) a Comparison of Models, and (3) the Model Descriptions. The summary provides a brief description and diagram for each model. The comparison of models is a table that contrasts each model against functional aspects organized into six categories. The final section includes a full description of each model as prepared by the supporters of that model.

BACKGROUND

The Team is composed of two members from each segment plus the officers of the Executive Committee. Mike Bray and Jerry Hahn are the Executive Committee officers. Tommie Hartmann, Exxon U.S.A., and Tom Ehinger, Amoco Corporation, represented the producers. Jim Buccigross, National Registry of Capacity Rights, and Mark Scheel, NGC Corporation, represented the services segment. Dona Gussow, Florida Power and Light, and Laurie Valasek, Midland Cogeneration represented the end user segment. Shelley Corman, Enron Pipeline Group, and Norm Walker, El Paso Natural Gas, represented the pipeline segment. Bob Betonte, SoCal Gas, and Mike Novak, National Fuel Gas Distribution, represented the distribution segment.

The Team met seven times: December 30, 1997, and for 1998: February 27, March 5, March 19, April 9, May 4, and May 20. All but the March 19 and May 20 meetings were held via phone conference to minimize cost to the participants and broaden the participation. To access the minutes and work papers from these meetings, please access the GISB Home Page.



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

On March 3, the report from the Team to the Board of Directors was amended to the following action items, one of which is the drafting and distribution of this report by June 1, 1998:

1. On March 19, the team will request that the Executive Committee re-prioritize requests R97111 and R97120 for immediate attention by the appropriate subcommittees. [The requests were reprioritized for immediate action on March 19].
2. On March 19, assuming a simple majority vote from the Executive Committee to re-prioritize the requests, the chairmen of the appropriate subcommittees, defined by the Executive Committee in approval of the triage recommendations, will be notified of the expedited treatment for R97111 and R97120. [The requests were approved for expedited treatment on March 19].
3. After the Internet standards for the postings on web sites are approved by the Executive Committee, they will be reviewed for applicability to the transactional-based Internet web sites. The Executive Committee will determine the appropriate group to perform the review and draft the recommendations to be sent to the Executive Committee for its consideration. [The Internet standards were approved by the Executive Committee on May 20 and 21, and are under review now for applicability to transactional web sites.]
4. GISB has currently underway a concerted effort to draft a transition plan which addresses a migration for the industry regarding communication modality. The Board of Directors (BOD) has established a deadline of June 1, 1998 for the Executive Committee (EC) (and its related Task Forces) to report the results of its work. The EC is instructed to "drill down" to determine if there is EC consensus (17/2) on the "road map" that the industry will take in this migration. If consensus is reached by the EC, the results will be reported to the BOD by June 1. If consensus is not reached on a "single path," the EC will report back by June 1 on the several alternatives considered regarding the migration. [The Executive Committee through distribution of this report has completed this item].
5. The plan ("road map") or alternatives will be presented to the Board of Directors by June 1, for discussion at its June 18 Board meeting. [This item is on the agenda for the June 18 meeting].

After the March 3 Board meeting, the Team defined seven models drafted by: Jim Buccigross, Sylvia Munson of Altra Streamline, Norm Walker, Carl Caldwell of Deloitte and Touche, Mark Scheel, Mike Novak and Jerry Hahn. The original models can also be accessed from the home page. The models were analyzed against several functional aspects organized into six categories. Through this analysis and through separate coalition meetings, the groups collapsed the six models into two models: Model 1 supported by model drafters Jim Buccigross and Sylvia Munson, and Model 2 supported by Norm Walker, Carl Caldwell, Mark Scheel, Mike Novak and Jerry Hahn. There are two models presented in this report.



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

During the Executive Committee meeting on May 20, a procedural motion was made to report both models to the Board of Directors. The motion was seconded and adopted with twenty-one votes in favor and two votes in opposition. There was a motion for a sense of the room for support of model 1 as discussed and presented. The motion was seconded and received two votes in support and twenty-one votes in abstention. There was a motion for a sense of the room for support of model 2 as discussed and presented. The motion was seconded and received nineteen votes in support and four votes in abstention. The voting results can be found on the home page contained within the minutes of the May 20 Executive Committee meeting. Transcripts are also available from that meeting.



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

SECTION I -- EXECUTIVE SUMMARY



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

The two models are presented by two groups of drafters: Model 1 is prepared by a coalition group composed of drafters Jim Buccigross and Sylvia Munson with the model entitled the "Independent Service Provider's Model"; and Model 2 is prepared by a coalition group named CAMEL composed of drafters Norm Walker, Carl Caldwell, Mark Scheel, Mike Novak and Jerry Hahn.

Model 1: Independent Service Provider's Model Description

Regarding the requirement that pipelines provide all electronic information and conduct all electronic transactions with their customers over the public Internet using only Internet protocols and procedures: Transactional *functions* of the EBB's would be transitioned to the Internet and such information would be exchanged via ANSI X12 Documents (GISB EDI) utilizing the existing GISB Electronic Delivery Mechanism (EDM) standards for these transactions (together GISB EDI/EDM). GISB standardized EDI datasets would be developed for those transactions which are not currently standardized. Where there is another way chosen by the Transportation Service Provider (TSP) (from among phone, fax, or e-mail) for the TSP and the user to conduct a transaction and receive the same business result, there need not be a mandated movement to EDI (outside of the current mandatory 32 plus 2 - the 2 are upload of offer and upload of bid). Additional standards would be developed in order to specify the requirements of this approach. (See proposed standards, principles and definitions for this model.) These "additional" standards are for post 6/1/99 not by 6/1/99. As a baseline, the 32 + 2 would be required by 6/1/99. In addition, GISB through its normal standards adoption procedures, would review requests received from the TSPs for additional datasets, prioritize said requests, and determine the extent to which these additional datasets would be developed for a 6/1/99 implementation. Non-transactional data (Informational Postings) under Standard No. 4.3.6 (and future such informational presentations) would be communicated over the Internet via a "common look and feel" standardized web page. This means the post-GISB adoption of look and feel stays status quo once adopted. GISB would make no mandatory standards for transactional look and feel. Such work product, if developed would be in the form of guidelines. Nor would GISB draft standards which require TSP's to provide transactional web sites.

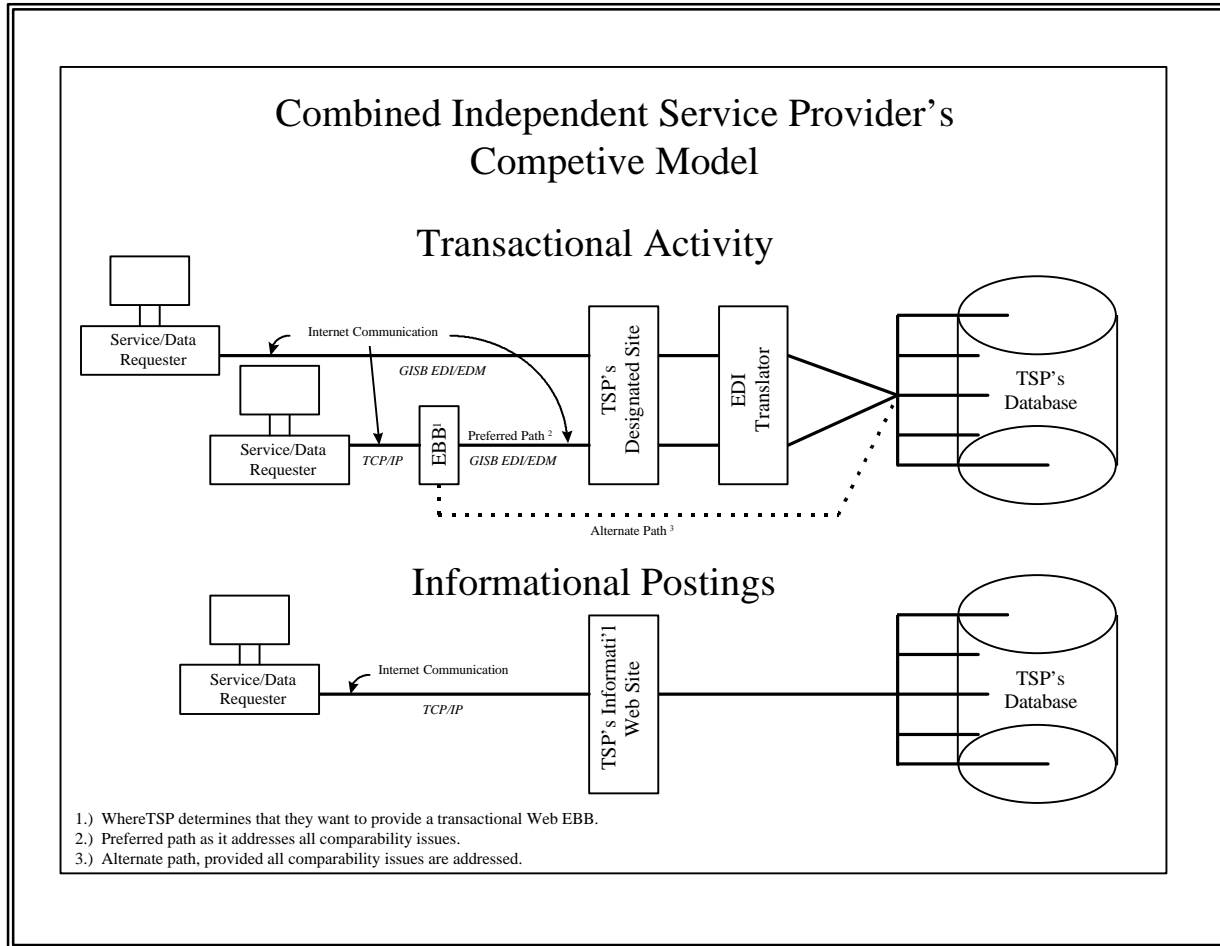
GISB makes no requirements as to TSPs establishing transactional web pages, nor is there any prohibition. TSP's can keep their current EBBs and do not have to shut them down. If a TSP chooses to establish such a web page, it should be treated as a competitive offering and, consistent with GISB Standard 1.1.11, users of such services should bear the cost. Alternatively, TSPs can provide "free EBBs" to rate-paying customers who choose to use the EBB provided the customer has a choice of receiving a credit - a reduced rate - for using EDI where the EBB is in rates. Finally, any transactional web page established by (or for) a TSP should communicate with the TSP's "back-end" systems so that users of EDI can accomplish business results comparable to those able to be accomplished via EBB. Additional standards would be developed in order to specify these components of this model. (See proposed standards, principles and definitions for this model.)



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

Model 1 -- Diagram





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

Model 2 -- CAMEL MODEL

The CAMEL Model (Consortium Advancing Mutual Electronic Links) is the product of five different models originally proposed at the commencement of deliberations of this task force: The Caldwell, Scheel, Hahn, Novak and Walker models. The resulting condensation is the CAMEL model which supports a dual approach to the transition to the Internet as the industry's solution to existing EBBs. The model supports parallel development of EDI over the Internet (GISB's work thus far) along with Web Sites that are standardized in a manner so that a common "look and feel" is accomplished. The CAMEL model takes no position on the future of EBBs beyond the discussion below.

It is clear that EDI will not be cost effective for every entity doing business in the natural gas industry. It is also clear that shippers employing EDI will not do so for every transportation service provider with which they trade because the level of business does not always justify the expenditure to set up the program at this stage in the industry's development of standardized business practices. Consequently, the CAMEL model recognizes that many companies would continue to utilize the existing EBBs offered by transportation service providers or use more up to date methods developed by the industry. The CAMEL model provides the blueprint to achieve that more efficient, up-to-date method by staging the timely development of a standardized interactive Web Site, which is the precise direction of the industry participants.

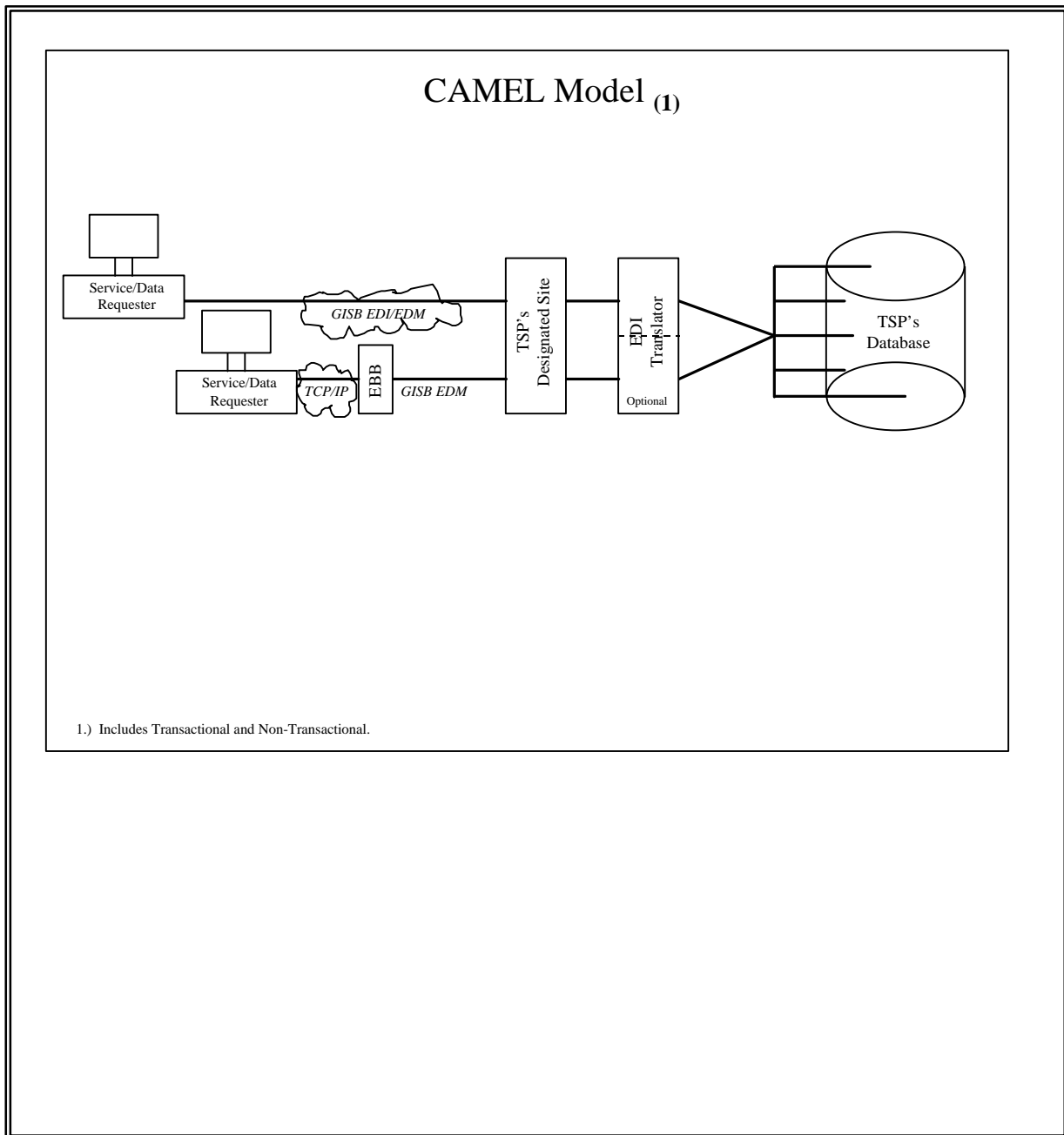
The CAMEL group has worked for cross segment support across the industry. The consortium, working within the considerably limited time frame allocated to its efforts, brought as many viewpoints into the CAMEL model as possible consistent with the objective of maintaining customer choice. The Consortium has resolved all differences in the key components of the six categories identified by the task force, [see model comparisons, Section 2], and will present more detailed principles of the model along with an example, proposed staging of the timely development for a standardized interactive Web Site and Web Site layouts, [see Model 2, Section 3].



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

Model 2 -- Diagram





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

SECTION II -- COMPARISON OF MODELS



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

Excerpts from FERC Docket No. RM96 - 1 - 007; Order No. 587-G

The Commission is adopting the requirement that all transactions and information be conducted using the Internet.

GISB and the pipeline's should consider measures to ensure communication reliability, such as mirror (duplicate) servers and the use of a back-up Internet Service Provider.

First , pipelines conducting business transactions electronically must conduct all such transactions using EDI format.

Thus, the pipelines and GISB need to create EDI datasets for all transactions not yet standardized.

Second, pipelines may, but will not be required to, provide interactive web sites. Pipelines will be permitted cost-of-service recovery in subsequent section 4 rate cases for the costs of the interactive web site only if the pipelines together with GISB create standards governing the access to, presentation, and format ("look and feel") of the sites.

As NGC notes, many electric utilities collaborated on developing a common Internet site that not only provided shippers with a standardized format, but significantly reduced the utilities' development costs as well. The pipelines and GISB should give serious consideration to pursuing a similar course.

All transactions available on the interactive web site also must be available through EDI communications.

Forth, by the June 1, 1999 conversion to Internet communications, communications using EBBs should cease.

The Commission will require pipelines to provide third-party connections as long as the third-party pays a reasonable fee, to be included in the pipelines' tariff, reflecting the costs of the pipeline of providing the connection.

All transactions provided on EBBs are covered by the regulation.

The pipelines should be prepared to move to the Internet by the June 1,1999 deadline regardless of whether standards are developed.

In addition, as discussed earlier, pipelines can save significant monetary and personnel resources as well as provide a more standardized product if, instead of each pipeline developing a proprietary solution, they collaborated on development of a standardized Internet communication system, as was done in the electric industry.

While pipelines should accommodate reasonably current versions of web browsers, they should not be required to accommodate browsers that have been out-of-date for several years. GISB should consider standards reflecting the level of HTML coding that should be supported.



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

DESCRIPTIONS OF CATEGORIES

ACCESS	Access covers the issues surrounding how to get to the Web pages
NAVIGATION	Navigation deals with the issues how to move around the page, the location, look and nomenclature of navigational tools.
CONTENT/FORMAT	Content deals with the data displayed on the Web pages. Format deals with the architecture of the Web page
UPLOAD/DOWNLOAD	Upload/Download deals with the ability to access and input data to the Web page instead of going directly into the Web page. (i.e. X12) Alternate Definition ¹ : Upload/Download deals with the ability to access and input data from the Web site without viewing the data on the Web site.
TIMING	Timing deals with priority and schedule for transition to the Internet.
SCOPE OF TRANSACTION STANDARDIZATION	This issue deals with the need to discuss, identify and explore what services need to be standardized with regard to transactional data during transition to the Internet.

¹ The alternate definition was proposed by the CAMEL Group (model 2) but was not supported by the Independent Service Provider Group (model 1).



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

TRANSACTIONAL WEB SITE COMPARISON CHART

The following chart lists six categories or functions of web sites. For each of the categories, key components are identified. The key components are matched against each of the models to determine if the models support the component. A check mark (✓) indicated that the model does include the key component. A x mark (✗) indicates that the model does not encompass the key component. For each model, there is a "Refs" column which references the related standard or text included in the full description of the respective model, in Section 3.

CATEGORY/KEY COMPONENTS		Model 1	Refs	Model 2	Refs
ACCESS					
1	The public Internet and internet communication protocols will be one mode of communication for accessing all pipeline business functions.	✓ in part ²	4.2.A, 4.3.A, 4.3.B, 4.3.C	✓	1
2	Web browser interface should use Internet compatible browser software.	✓ in part	4.3.B 4.3.C	✓	2
3	A TSP's EBB should be accessible via the public internet via standard browser software.	✗	4.2.B 4.1.A 4.3.F 4.3.Hi 4.3.Hii	✓	3
4	Any non-mandatory functions provided on web pages should be treated as a competitive offering and, consistent with GISB Standard 1.1.11, users of such services should bear the cost	✓	4.1.A 4.3.F	✗	
<i>β</i>					
<i>Added by Independent Service Provider Model Drafters (Model 1):</i>					
4A	TSPs may, but are not required to, make their EBBs available over the Internet.	✓	4.3.F 4.3.Hi 4.3.Hii 4.1.A		
NAVIGATION					
5	GISB should develop a standardized Web site navigational structure (Common Internet Format) to provide access to business functions.	✓ in part	4.3.B 4.3.C	✓	11, 12
6	Non-transactional data (informational Postings) under Standard No. 4.3.6 would be communicated over the Internet via a "common look and feel" standardized web page.	✓	4.3.C	✓	13
7	Standard navigation screens should be developed as templates.	✓ in part	4.3.C	✓	14



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

CATEGORY/KEY COMPONENTS		Model 1	Refs	Model 2	Refs
8	Navigation through the "menus" of the Common Internet Format should be consistent so far as location and technique.	✓ in part	4.3.C	✓	16, 18-24

/⁴

CONTENT/FORMAT					
9	The necessity and order of the existing 32 standard X12 data sets should be examined.	✗	4.3.D	✓	31
10	Standard field name descriptors or abbreviations should be used on all transactional web pages. [No standards for screen layouts, exact placement, font size, colors, etc.]	✓ in part	4.1.A 4.3.F 4.3.Hi 4.3.Hii	see 10A	
11	A list of standard transactions should be provided with the Common Internet Format.	✗	4.1.A 4.3.F 4.3.Hi 4.3.Hii	see 11A	
12	Consequently, the alternative solution is to simplify and consolidate, through standardization, the EBB screens.	✗		✗	
Added by Camel Model Drafters (Model 2):					
10A	Standard field name descriptors or abbreviations should be used on all transactional web pages. [No standards for font size, colors, etc.] Standards to define screen layouts and data placement should be considered.			✓	30, 33
11A	A list of transactions should be provided with the Common Internet Format. [Master Menu]			✓	15

/⁵

UPLOAD/DOWNLOAD					
13	Valid codes available for data validation or selection on transactional web page should also be available in a downloadable format for use by customers and their third party service providers.	✗	4.3.Hii	see 13A	
14	Flat file uploads and downloads from the transactional web page should be allowed on a mutually agreeable basis.	✓ in part	4.3.I	✓	39
Added by Camel Model Drafters (Model 2):					
13A	Common codes (i.e. DRN and D-U-N-S® Numbers) should be available for data validation or selection for viewing on transactional web site in a downloadable format for use by customers and their third party service providers. Cross references to proprietary numbers may be provided on a mutually agreeable basis.			✓	38

/⁶

TIMING



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

CATEGORY/KEY COMPONENTS		Model 1	Refs	Model 2	Refs
15	The process of creating standards for transactional web sites should begin by 7/1/98.	✗	8.1.A	✓	40
16	The initial phase (of a multiple phase implementation) of common look and feel for internet transactions that are not currently standardized should be implemented subsequent to the implementation of the currently standardization data sets that are determined to be necessary on the web page.	✗	4.3.D	✓	41
17	The producer community would support delay of Web site implementation for transactional content past 6-1-99 in order to achieve greater standardization of TSP Web sites.	✗		See 17A	
Added by Camel Model Drafters (Model 2):					
17A	Phased implementation for transactional content should begin 6-1-99 in order to achieve greater standardization of TSP Web sites.			✓	42, 43

17

SCOPE OF TRANSACTION STANDARDIZATION

18	This approach should begin with an industry 'survey' or 'study' of existing EBBs to determine the range of transactions that remain to be standardized.	✓ in part	4.3.D	✓	44
19	EDI Data Set development should address all current EBB transactional functions	✓	4.3.D 4.3.E	✗ ¹	45-48
20	All business transactions that are available in an electronic format should be defined in X12 datasets.	✓	4.3.D 4.3.E	✗ ²	45-48
21	There should be a set of core data sets that are identified as mandatory for any party who offers electronic transactions to choose to offer those transactions electronically.	✓	4.3.D 4.3.E	See 21A	
Added by Camel Model Drafters (Model 2):					
21A	There should be a set of core data sets that are identified as mandatory for any party who offers electronic transactions.			✓ □ ³	45-48

FOOTNOTES:

- 2 The "in part" response indicates a partial support for the key component.
- 3 Additional related references for Model 2 for the category of ACCESS are 4, 5, 7, 8, 9 and 10.
- 4 An additional related reference for Model 2 for the category of NAVIGATION is 17.
- 5 Additional related references for Model 2 for the category of CONTENT/FORMAT are 25, 26, 27, 28, 29, 32, 34 and 35.
- 6 Additional related references for Model 2 for the category of UPLOAD/DOWNLOAD are 36 and 37.
- 7 An additional related reference for Model 2 for the category of TIMING is 6.
- 8 While not in complete agreement or disagreement, Model 2 address these points in references 45 - 48.
- 9 id.
- 10 id.



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

SECTION III -- MODEL 1 DESCRIPTION



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

MODEL 1

INDEPENDENT SERVICE PROVIDERS MODEL DESCRIPTION

Specific proposed standards, principles and definitions to implement Independent Service Providers Conceptual Outline:

4.2.A

"GISB EDI/EDM is defined as ANSI X12 Documents (EDI) exchanged via Internet designated site(s) utilizing Electronic Delivery Mechanism (EDM) standards."

4.2.B

For the purposes of GISB standards an EBB is an electronic method of presenting on a screen images containing data and which responds to user-entered keystrokes, without regard to mode of communications between the presentation screen and the source of the image. As used in GISB standards, EBB includes Internet EBB, web page EBB, dial-up EBB etc.

4.3.A

"Transactional functions required to be provided by Transportation Service Providers via EBBs (i.e., information required to initiate, execute and settle required transactions) should be transitioned to GISB EDI/EDM."

4.3.B

"The non-transactional data (Information Postings) listed as items 1 and 3 under Standard No. 4.3.6 should be made available via the existing GISB EDI/EDM standards."

4.3.C

"The non-transactional data (Informational Postings) listed as items 1 through 5 under Standard No. 4.3.6 should be communicated over the Internet via a "common look and feel" (i.e., information required to be available would be accessible via Internet web page(s) using common navigation and common naming conventions).



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

4.3.D

“Required transactional functions which should be provided by Transportation Service Providers via GISB EDI/EDM standards are those transactions identified within the:

- a) 1.4.X,
- b) 2.4.X (excluding 2.4.6 which is used only where the parties have mutually agreed to do so),
- c) 3.4.X; and,
- d) 5.4.X (excluding 5.4.4, 5.4.10, and 5.4.11, which are used only where applicable to TSP business practices),

sections of GISB’s standards.

4.3.E

By June 1, 1999, GISB business practice and GISB EDI/EDM standards with respect to: 1) the ability to upload an offer, have it considered valid, and have it processed by the Transportation Service Provider; as well as, 2) the ability to upload a bid, have it considered valid, and be processed for bid evaluation and awarding purposes will be available and will be added to the list of required transactional functions under Standard 4.3.D.

8.1.A [8 denotes a new “general” section]

GISB makes no finding as to the specific timing of implementation of any Standard(s) that it establishes.

4.3.F

No Transportation Service Provider should be compelled to provide required transactional functions via an EBB (without regard to mode of communications with that EBB, including Internet EBB, web page EBB, dial-up EBB etc.) following a reasonable period of time after which the required transactional functions have become available via GISB EDI/EDM.

4.3.G [deleted]



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

4.3.H.(i)

A Transportation Service Provider which determines to provide transactional functions via an Internet EBB, Web-page EBB, or Internet accessible EBB (EBB) and which requires its trading partners to employ such EBB to achieve an intended transaction result or acquire transaction information, should request GISB EDI/EDM standards for such transactional functions; and, within a reasonable amount of time after such standards are approved and ratified, should support the conduct of such transactions using such standards with those trading partner(s) wishing to employ same.

4.3.H.(ii)

A Transportation Service Provider which determines to provide transactional functions via an Internet EBB, Web-page EBB, or Internet accessible EBB (EBB) should provide, upon reasonable request, tab-delimited downloads of files containing appropriate code value data and data element contents which code value data and data element contents are present in the EBB and used for validation or submission of a valid transactions via such EBB.

4.3.I

Where a transactional functionality, in addition to the required transactional functions, is provided by a Transportation Service Provider (TSP), and, the TSP's trading partners can achieve the same transaction result or acquire the same transaction information by a means other than use of the TSP's EBB (if any) then the requirements of [4.3.H -- insert applicable GISB Standard following adoption and ratification by GISB membership] do not apply. Only when a transaction can only be achieved via the TSP's EBB (without regard to type) would the use or support of EDI datasets become a requirement under [4.3.H -- insert applicable GISB Standard following adoption and ratification by GISB membership].

Thus, except where there exists a non-GISB X.4.X electronic data viewing/data collection mechanism which (without support for a GISB X.4.X functionality) would be the only mechanism available (i.e., where there is no provision for communication of a document via at least fax, e-mail, or phone-call), support for GISB X.4.X standards, other than those set forth in [4.3.D -- insert applicable GISB Standard following adoption and ratification by GISB membership], is on a mutually agreeable basis.



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

4.1.A

Users of EBB services for transactional functions (without regard to whether such EBB services are transitioned to Internet protocols and procedures or not) should bear the cost of that service. A Transportation Service Provider (TSP), at its option, may seek a determination, in an applicable regulatory proceeding, that on-going payment to the TSP by a trading partner for the TSP's transportation services (which services include the trading partner's no-fee use of Internet-EBB services for required transactional functions) meets the intent of this "users pay" principle with respect to such trading partner's receipt of Internet-EBB services for transactional functions from the subject TSP, provided, such paying user is provided the choice of using such EBB services, or not using such services, and where they do not use such services, receive a credit against their transportation service charges to reflect the fact that they employed GISB EDI instead of the EBB services. There is no requirement that a TSP seek such determination in any regulatory proceeding.

GISB Resolution:

With respect to the provision of Order 587-G which requires that all EBB functions must be accommodated in GISB EDI/EDM by 6/1/99, GISB recommends to the FERC that where the subject transactions can be accomplished pursuant to Standard 4.3.I, that the date for implementation of this requirement be extended, for any given transaction, until the first day of the month next occurring ninety days after GISB ratification of the appropriate standards relating to such transaction, and, where such transaction has not been approved as a standard by GISB, the date for implementation of GISB EDI/EDM requirement be extended until the Commission determines the status of such transaction with respect to its transition to GISB EDI/EDM.

Explanatory Discussion:

Proposed Standards 4.3.A, 4.3.B, 4.3.C, 4.3.H.(i), and 4.3.I clarify, and are within the meaning and intent of, Standard 4.3.6 which states in part:

"Transportation Service Providers should make all pertinent EBB functions and information available via the Internet or via technology recommended by GISB within a reasonable amount of time after each function or information has become standardized as appropriate by GISB.

Here the accent is on "*pertinent*". The *pertinent* functions and information are 1) the required *information* (the list of 1 through 5 in standard 4.3.6); and, 2) the required *transactional functions* which are clearly the already standardized 10 HPDR's, plus the remaining required, but yet to be standardized, uploads of Offers and uploads of Bids. As uploads of Offers and uploads of Bids have yet to be standardized, they are not yet in the GISB EDI/EDM group of standards. Once these were to be standardized, the "*pertinent*" functions and information referred to in the first paragraph after the listing of the five non-transactional items would have been so standardized. Proposed standards 4.3.H and 4.3.I also clarify that should a TSP



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

require parties to employ an EBB only, does the need for a commensurate GISB EDI/EDM standard arise. However, if a comparable non-EBB solution aside from a GISB EDI/EDM standard exists (i.e., at least phone, fax or email) then there would be no need for a particular TSP to support a GISB EDI/EDM standard for that activity or transaction as applicable. Of course those TSPs which wish to accomplish all activity via only electronic means can request a GISB EDI/EDM standard and then require parties to use either GISB EDI/EDM or an EBB methodology to accomplish that business result, users choice.

The other portion of 4.3.6 states:

“Within a reasonable amount of time, all EBB information, functions and transactions should be achieved via one mode of communications. Information and functions should remain available through existing systems until one mode of communication is available”.

As to “all EBB *information*”; this term refers to the present list of required 4.3.6 non-transactional data. This data is now available on web pages. There exists no unmet requirement for additional information to be “available”. Therefore, there is no additional “non-transactional information” to be made available via web pages and no new non-transactional standards need be formulated.

As to “all... ..functions and transactions [being] achieved via one mode of communications”. The one mode of communications is clearly via the Internet. And, in this context, “one mode of communications” refers to the GISB EDI/EDM standards to achieve the functions and transactions listed in the X.4.X standards. With respect to the “all” portion of the sentence, if we interpret this to mean all *required* transactional functions, then, the only *requirements* (as set by GISB or FERC) that are not yet met for transactions and functions (i.e., those which are not yet achievable via the X.4.X standards) are: 1) the ability to upload an offer, have it processed by the TSP; as well as, 2) the ability to upload a bid, have it considered valid, and be processed for bid evaluation and awarding purposes.

Proposed Standard 4.3.D, makes it clear that while there may be other transactions and functions on TSP EBBs, they are not among the “required” transactional functions which are the only ones that need to be migrated to the Internet via GISB EDI/EDM.

Proposed Standard 4.3.E, makes it clear that the only new ones to be added are the upload of Offers and Uploads of Bids, and that once they are standardized they will be part of the list in 4.3.D.

Proposed Principle 8.1.A, makes it clear that when GISB publishes standards it makes no finding as to the timing of implementation of that standard. With the exception of the GISB resolution which is intended to buy time for post 6/1/99 implementation (the FERC’s date) for the excess EDI standards, GISB should stay out of the deadline setting business.



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

Proposed Standard 4.3.F, gets to the heart of maintaining dual systems. No one should be compelled to maintain dual systems for required transactional functions after the availability of GISB EDI/EDM for such functions.

Proposed Standard 4.3.H.(i), as mentioned at the top of this explanatory discussion further clarifies the intent of the last paragraph at the end of the current 4.3.6.

Proposed Standard 4.3.H.(ii), adopts the data comparability provision from the original Caldwell Model.

Proposed Standard 4.3.I, as mentioned at the top of this explanatory discussion further clarifies the intent of the last paragraph at the end of the current 4.3.6.

Proposed Standard 4.1.A straightens out the competitive comparability issue and makes clear that users pay, that users may be deemed to have paid when they pay for transportation service (assuming the TSP wishes to provide EBB service for free and seeks regulatory determination of this) provided they have the choice of using the EBB (and paying for it in rates) or receiving a credit against rates if they use EDI instead. This applies only to EBBs transitioned to Internet web pages. In answer to concerns about GISB staying away from the compensability issue, this is true in spades for the whole issue of GISB making standards that, if it makes them determine the compensability and competitive posture of presentation systems. If people object to this language about compensability, then in the same breath they should require GISB to decline to come up with standards for Web-page EBBs.

Proposed Standard 4.1.A straightens out the competitive comparability issue and makes clear that users pay, that users may be deemed to have paid when they pay for transportation service (assuming the TSP wishes to provide EBB service for free and seeks regulatory determination of this). This applies only to EBBs transitioned to Internet web pages. It would not apply to existing "un-transitioned systems. This marks a softening of TransCapacity's position to the minimum acceptable to TransCapacity from a competitive stand-point.



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

SECTION III -- MODEL 2 DESCRIPTION



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

MODEL 2

CAMEL MODEL DESCRIPTION

PipeCo. Proposed Roadmap for Web Transition

ACCESS : Access covers the issues surrounding how to get to the Web pages.

1. Internet communication protocols will be the mode of communication for accessing all pipeline business functions. (Order 587G requires private communication networks to be allowed access that would bypass the public Internet. This wording would encompass EDI/EDM, private communication networks and access via a Web browser.)
2. Web browser interface should use Internet compatible common browser software. (See parenthetical on item 1.)
3. Web site should be accessible via the public internet using standard browser software. (See discussion on item 1.)
4. Transactional Web page data communication standards should allow various levels of user response and inter-activity.
5. Transactional Web page data communication standards should not limit or dictate technology.
 - Standards should allow the flexibility to support a forms-based batch process, including appropriate response (i.e. interactive Web equivalents of functional acknowledgment and quick response), and/or a fully interactive implementation.
 - Standards should allow for flexibility in the choice of back-end systems.
6. Current proprietary functionality should remain available until such time as that functionality is tested and implemented via an interactive Web site.
7. Minimum technical requirements for access to the transactional Web site are suggested below. These suggestions should be forwarded to FTTF for further development.
 - Connection Device 28.8 K or above
 - Operating System Multi-threaded & Pre-emptive
 - RAM 32Mb or more
 - Display Capabilities 800 x 600, 256 colors
 - Monitor > > 12' Laptop



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

- > > 15" Desktop
- Browser Capabilities Support cookies, frames and nested frames, tables and nested tables.
- Examples of User Workstations meeting this criteria:
 - Hardware P 200MHz or greater
 - Communication Device Direct Connect
 - ISDN
 - Satellite
 - Operating System
 - 56KB modem
 - Windows 95 or greater
 - NT 4.0 or greater
 - Solaris 2.6
 - System 8
 - Browser
 - Microsoft IE 4.0
 - Netscape Communicator 4.04 or Netscape Navigator 4.04
- 8. FTTF should define security for the transactional Web site after the Business Process Subcommittee has defined the security requirements for access, privacy, integrity and non-repudiation. Security requirements are suggested below that should be forwarded to FTTF for further development.
 - At a minimum, the transactional Web page data communications from the browser to the Internet server should be capable of encryption and occur in a protected session.
 - Client-side certificates should not be required.
 - Userid/password authentication is required.
 - The authentication process should be in an encrypted session.
- 9. FTTF should define any necessary standards for connecting with third party communication networks.
- 10. FTTF should define redundancy recommendations for Internet connections which allow the TSP to choose the options that are most cost effective for meeting its customer's requirements.

NAVIGATION - Navigation deals with the issues of how to move around the page, the location, look and nomenclature of navigational tools.



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

-
11. "Navigational Area" is the term used to describe the left side of the browser display providing links to the content area and other navigational links.
 12. GISB should develop a standardized Web site navigational structure to provide access to business functions. (The relationship, structure and order for navigation on the Web site shall be established in a standardized manner.)
 13. Informational Postings under Standard No. 4.3.6 should be communicated over the Internet via a "common look and feel" standardized Web page.
 14. Standard navigation screens should be developed. Standard navigation should be used for all functions.
 15. All transactions should be included in the site map.
 16. Navigation through the "menus" should be consistent for location and technique.
 17. "Transactional Functions" is the term that identifies electronic transactions relating to Nominations, Flowing Gas, Invoicing, Capacity Release and other transactional functions (i.e. Contracts).
 18. The "Transactional Functions" navigational link should appear and be labeled as such immediately above Site Map on the Informational Postings Web site. FTTF should review this standard to determine if secure Web pages (transactional functions) should be available from public Web pages (Informational Postings).
 19. The categories and the labels for Transactional Functions should appear in the Navigational Area as follows:
 - Nominations
 - Flowing Gas
 - Invoicing
 - Capacity ReleaseLinks supporting Mutually Agreeable categories will follow these links. This does not preclude a further breakdown of sub-categories within each category from being listed in the Navigational Area.



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

20. The sub-categories and the labels for the category of Nominations should appear in the Navigational Area as follows:
- Nomination
 - Nomination Response (if applicable) Confirmation
 - Scheduled Quantity
 - Scheduled Quantity for Confirming Party
- Links supporting Mutually Agreeable sub-categories will follow these links. This does not preclude a further breakdown of sub-subcategories within each sub-category from being listed in the Navigational Area.
21. The sub-categories and the labels for the category of Flowing Gas should appear in the Navigational Area as follows:
- Pre-determined Allocation Allocation
 - Shipper Imbalance
 - Measurement
- Links supporting Mutually Agreeable sub-categories will follow these links. This does not preclude a further breakdown of sub-subcategories within each sub-category from being listed in the Navigational Area.
22. The sub-subcategories and the labels for the sub-category of Measurement should appear in the Navigational Area as follows:
- Measurement Information
 - Measured Volume Audit Statement
- Links supporting Mutually Agreeable sub-subcategories will follow these links. This does not preclude a further breakdown of sub-sub-sub-categories within each sub-sub-category from being listed in the Navigational Area.
23. The sub-categories and the labels for the category of Invoicing should appear in the Navigational Area as follows:
- Invoice
 - Payment Remittance
 - Statement of Account
- Links supporting Mutually Agreeable sub-categories will follow these links. This does not preclude a further breakdown of sub-subcategories within each sub-category from being listed in the Navigational Area.



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

-
24. The sub-categories and the labels for the category of Capacity Release should appear in the Navigational Area as follows:
- Offers
 - Bids
 - Awards
- Links supporting Mutually Agreeable sub-categories will follow these links. This does not preclude a further breakdown of sub-subcategories within each sub-category from being listed in the Navigational Area.

CONTENT/FORMAT Content deals with the data displayed on the Web pages for transactional functions. Format deals with the architecture of the Web page.

25. For Transactional Functions, "Content Area" is the term used to describe the area where transactional information is displayed. The Content Area includes: page header, content, page footer.
26. Transactional Web page standards should be designed for human interaction and visual implementation.
27. A Web page may display information (data elements and code values) from multiple functionally related EDI datasets (i.e. nominated volume and scheduled volume may appear on the same Web screen).
28. There will generally be a one-to-one relationship of data elements used for EDI to the data displayed on Web pages.
29. Code descriptions should be used in place of code values where appropriate.
30. Standard field name descriptors or abbreviations, and navigation and functional screen layouts should be used on all transactional Web pages. [No standards for font size, colors, etc.] Functional screen layouts are defined as standards that divide each transactional screen into separate areas and define which data elements belong in that specific area.



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

31. Transactional Web pages should support GISB Business Practice Standards in the following phased implementation stages:
 - nominations
 - flowing gas
 - invoicing
 - capacity release

The order (priority) of transitioning the existing 32 standard X12 data sets within each of the listed categories should be examined. (This does not preclude a service provider from accelerated implementation.)
32. The Web site should include the name, nickname, or name abbreviation of the Transportation Service Provider in the browser title bar.
33. Transactional Web pages should generally use the same nomenclature that is defined for EDI and Informational Postings, including data set names, data element names, code descriptions, abbreviations and message text.
34. Principles and standards for placing data elements on a Web page:
 - Display space for content on Web sites should be maximized.
 - On the Web sites the use of scrolling, especially left to right, should be minimized.
 - Information that is constant for the displayed content section may be placed in the page header.
 - Related data elements may be listed together so long as the standard flat file construction is not altered. Example: If a pipeline chooses to display Fuel (proposed mutually agreed data element) on the nominations screen, it would be after the Rank data element.
 - Data elements that generally have default values may be placed last to minimize scrolling. Example: Beginning/end time for nominations may be listed last on the Nominations screen because it rarely changes.
 - Display of column and column headings for unused data elements should not be required.
 - Totals, when appropriate, should be displayed within the content section of the Web page in a manner which distinguishes them from the data.
 - Links to related functions are placed in the header or footer.
 - Navigation for lookups, if provided, is placed near the field being looked up.



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

35. Standards for placing data elements on the Nominations related Web pages for the PATHED model:
- Transactional Web pages displaying or allowing input for receipt/delivery data elements should display receipt data elements on the left and the corresponding delivery data elements on the right.
 - Allow multiple nominations to be entered and/or displayed on each Web page.

UPLOAD/DOWNLOAD **Upload/Download deals with the ability to access and input data to or from the Web site without viewing the data on the Web site.**

36. "Download" is the term used to describe the retrieval of information from a Web site in a format suitable for storage.
37. "Printing" is the term used to describe the typical printed layout derived when a document is printed from a display tool (browser, word processor, etc.)
38. Common Codes (i.e. DRN and D-U-N-S® Numbers) should be available for data validation or selection (viewing) on a transactional Web site and in a standardized downloadable format for use by customer and/or third party service providers. Cross-references to proprietary numbers may be provided on a mutually agreeable basis.
39. Standardized flat file uploads and downloads from the transactional Web page should be supported.

TIMING **Timing deals with priority and schedule for transition to the Internet.**

40. The process of creating standards for transactional Web sites should begin by 6/1/98.



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

41. As a general guideline, the initial phase (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 datasets to the Web. This does not preclude the implementation of new standardized data sets as they become available.
42. Phased Web site implementation for transactional content should begin 6-1-99 in order to achieve greater standardization of TSP Web sites.
The purpose of this standard is to recommend a slower schedule to improve the quality of the standards and their implementation.
43. See attached chart for proposed phased implementation.

SCOPE OF TRANSACTION STANDARDIZATION This issue deals with the need to discuss, identify and explore what services need to be standardized with regard to transactional data as we transition to the Internet.

44. This approach should begin with a GISB notice to all members requesting additional transactions for EDI to be submitted for evaluation and processing by June 1, 1998. In June, GISB will begin to prepare a plan for EDI development, processing all requests as efficiently as possible.
EDI data set development should address all current EBB transactional functions.
All data elements required for business transactions should be included in one or more EDI datasets or be derivable from the data elements included in one or more EDI datasets.
47. There is displayed information on transactional Web sites which does not have a comparable data element in EDI; however, the data is derived from other EDI data elements. (e.g. totals, reports, calculations) Provision of such information does not require the development of an EDI dataset to accomplish a one-to-one match. However, any transactional Web function should be derivable from information available in EDI datasets.



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

BUSINESS PRACTICES BEFORE STANDARDIZATION This issue deals with the need of the industry to have the flexibility to mutually agree to initiate a new business practice or to modify an existing business practice and try it out for a period of time before submitting it to GISB for standardization.

48. Any group of parties should be able to mutually agree to initiate a new business practice or modify an existing business practice, and within 18 - 24 months after implementation of such practice submit a request to GISB for standardization.



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

Model 2: CAMEL - Illustrative Timing Transition to Internet

<u>Order</u>	<u>EDI Dataset</u>	<u>Data entry or validation</u>	<u>Implementation Date</u>
1	1.4.1 Nominations	Yes	June 1999 ¹
1	1.4.2 Nominations - Quick Response		June 1999 ²
1	1.4.5 Scheduled Quantity		June 1999 ³
1	1.4.6 Scheduled Quantity for Operator		June 1999 ⁴
1	1.4.3 Request for Confirmation		June 1999 ⁵
1	1.4.4 Confirmation	Yes	June 1999 ⁶
2	2.4.3 Allocation		Nov. 1999
2	2.4.4 Imbalance Reporting		Nov. 1999
2	2.4.5 Measurement Information		Nov. 1999
2	2.4.1 Pre-determined Allocations	Yes	Nov. 1999
2	2.4.2 Pre-determined Allocations - Quick Response		Nov. 1999
3	3.4.1 Invoice Statement		April 2000
3	3.4.2 Payment Remittance		April 2000
3	3.4.3 Statement of Account		April 2000
4	5.4.10 UPPD - Bidder Confirmation	Yes	June 2000
4	5.4.11 UPPD - Bidder Confirmation Validation		June 2000
4	5.4.12 UPPD - Final Disposition		June 2000
4	5.4.17 Notes/Special Instructions		June 2000
4	5.4.6 Electronic Withdrawal Upload	Yes	June 2000
4	5.4.7 Upload to Pipeline of Prearranged Deal (UPPD)	Yes	June 2000
4	5.4.8 UPPD - Validation		June 2000
4 BC	5.4.9 UPPD - Notification		June 2000
5	5.4.1 Firm Transportation and Storage - Offer		June 2000
5	5.4.2 Firm Transportation and Storage - Bid Review		June 2000
5	5.4.3 Firm Transportation & Storage - Award Notice		June 2000
5	5.4.5 Firm Transportation & Storage - Withdrawal		June 2000
6	5.4.13 Operationally Available & Unsubscribed Capacity		TBD
6	5.4.16 System-Wide Notices		TBD
6	2.5.6 Measured Volume Audit Statement		TBD
6	5.4.4 Replacement Capacity		TBD
6	5.4.14 Upload of Request for Download of Posted Data Sets		TBD
6	5.4.15 Response to Upload of Request for Download of Posted Data Sets		TBD



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

<u>Order</u>	<u>EDI Dataset</u>	<u>Data entry or validation</u>	<u>Implementation Date</u>
--------------	--------------------	---	--------------------------------

FOOTNOTES:

- 1 This date assumes complete implementation of all necessary standards, approval or appropriate regulations and testing throughout the industry .
- 2 id.
- 3 id.
- 4 id.
- 5 id.
- 6 id.



**GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
JUNE 18, 1998**

4. SUNSET VOTE

- In accordance with our certificate, the sunset vote for the GISB organization is scheduled to occur this year. It was noticed on March 3 that the vote would be held on June 18. A written notice was sent to Board members on May 15. A notational ballot was sent out on May 15 for those members unable to attend the June 18 Board meeting.
 - The Board is required to vote to continue the organization. For continuance, the vote result should be a minimum of nineteen affirmative votes, with at least two affirmative votes from each segment. If this result is not achieved, the GISB office will begin procedures to dismantle the office and turn over the standards and work products to the industry.
 - If the result is achieved, it is required to be ratified by the membership, with a minimum of 90% of the membership voting in favor of the Board action. All ballots that are not returned to the office would count in favor of the Board action. If less than 90% of the members ratify the Board action to continue, the GISB office will begin procedures to dismantle the office and turn over the standards and work products to the industry.
 - All votes at the Board level and in the ratification step are public.
 - Attached is the excerpt of the certificate where the sunset provision is outlined and the alternate resolutions.
-



DRAFT 1

RESOLUTIONS ADOPTED BY
THE BOARD OF DIRECTORS OF THE
GAS INDUSTRY STANDARDS BOARD, INC.
CONCERNING THE "SUNSET" PROVISION
OF THE CERTIFICATE OF INCORPORATION

The Board of Directors of the Gas Industry Standards Board, Inc. ("GISB") hereby adopts the following resolution:

1. RESOLVED, that in accordance with Article I, Section 2 of the Certificate of Incorporation of GISB dated December 15, 1995, (the "Certificate"), which reads:

Section 2. The period of duration of GISB is PERPETUAL. GISB may be dissolved at any time in the manner provided in the Statute; provided, however, that no later than December 31, 1998, GISB's Board of Directors shall submit to the members a resolution recommending whether GISB shall continue. GISB's members shall then vote on whether GISB should continue. An affirmative vote of both the Board of Directors and the members, as defined in Article V of this Certificate, shall be required to continue GISB.

The Board of Directors affirmatively voted to continue GISB, on _____, __, 1998.

2. RESOLVED, that the Board of Directors recommend ratification of the foregoing resolution by the general membership of GISB, and take steps necessary to seek such ratification in accordance with the requirements of Article V, Section 3 of the Certificate.
3. RESOLVED, that following ratification by the general membership of GISB of Resolutions 1 and 2 above, that officers of GISB are authorized and directed to implement the foregoing resolutions.

ATTEST:

Secretary

DATE: _____

May 15, 1998



DRAFT 2

RESOLUTIONS ADOPTED BY
THE BOARD OF DIRECTORS OF THE
GAS INDUSTRY STANDARDS BOARD, INC.
CONCERNING THE "SUNSET" PROVISION
OF THE CERTIFICATE OF INCORPORATION

The Board of Directors of the Gas Industry Standards Board, Inc. ("GISB") hereby adopts the following resolution:

1. RESOLVED, that in accordance with Article I, Section 2 of the Certificate of Incorporation of GISB dated December 15, 1995 (the "Certificate"), which reads:

Section 2. The period of duration of GISB is PERPETUAL. GISB may be dissolved at any time in the manner provided in the Statute; provided, however, that no later than December 31, 1998, GISB's Board of Directors shall submit to the members a resolution recommending whether GISB shall continue. GISB's members shall then vote on whether GISB should continue. An affirmative vote of both the Board of Directors and the members, as defined in Article V of this Certificate, shall be required to continue GISB.

The Board of Directors on _____, __, 1998, voted not to continue GISB.

2. RESOLVED, that the Board of Directors hereby advises the General Membership of GISB that the Board has voted not to continue GISB and that therefore in accordance with Article I, Section 2 of the Certificate, GISB will cease to exist on December 31, 1998.
3. RESOLVED, that the Board of Directors hereby authorizes and directs the officers of GISB to take all necessary steps to implement the foregoing resolutions.

ATTEST:

Secretary

DATE:

May 15, 1998



GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
JUNE 18, 1998

5. FERC/DOE EFFORTS

- At the request of the Department of Energy, a meeting was held to discuss the President's Commission on Critical Infrastructure Protection. The notes from that meeting are attached.
 - A similar meeting was held with Sandia Labs. Those notes are attached.
 - At the request of the FERC, Ms. McQuade and Mr. Bray attended a Y2K meeting (June 5).
 - Ms. McQuade, Mr. Bray and Mr. Hahn will update the Board on the findings from these meetings.
-



**GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
JUNE 18, 1998**

6. 1998 ANNUAL PLAN

- Attached is the Board update for the 1998 Annual Plan for the month of May. The report includes the 1998 Annual Plan, and a modified Annual Plan for discussion purposes reflecting Order No. 587G modifications. The May update of the maintenance plan is also attached.
 - Mr. Bray and Mr. Hahn will review the reports with the Board members and respond to questions.
-



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

June 2, 1998

TO: GISB Board of Directors
FROM: Rae McQuade
RE: May Update on the 1998 Annual Plan

The GISB organization is on schedule with all items to be completed as scheduled with one exception -- Imbalance Netting Standards. Below is a brief description of the progress made by action item:

Intraday Compromise Model

First Quarter

Completed. The intraday nominations standards were adopted by the Executive Committee on January 9, 1998 and were ratified by membership on March 12. One of the standards will be reconsidered at the Executive Committee meeting on May 20 to consider whether to fill in the time left blank for the effective time for the flow of gas for the evening intraday nominations submitted at 6:00 p.m. when bumping occurs. The time was left blank -- to be filled in after the Commission issues its final order, which was issued on April 16. The Executive Committee proposed 9:00 a.m. for the evening intraday nominations submitted at 6:00 p.m. when bumping occurs. This change has been sent out for membership ratification and if passed will be considered part of the version 1.3 release of the standards.

Contracts -- Gas Day Trades

First Quarter

Completed. The Gas Day Trades Task Force completed its work on February 6, and its recommended contract standard was adopted during the March 19 Executive Committee meeting. It will be sent out in May for membership ratification and if passed will be considered part of the version 1.3 release of standards.

OBA Standards

Second Quarter

On Schedule. This effort is chaired by Jim Buccigross of National Registry as chair of the Contracts Subcommittee and Cynthia Corcoran of Duke Energy as the OBA task force chair. The OBA model agreement, not a standard, should be completed in June by the task force. The Executive Committee will consider it for vote in either July or August.



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

Imbalance Netting Standards

Second Quarter

Behind Schedule. This effort is chaired by Jim Buccigross of National Registry as chair of the Contracts Subcommittee. A set of the standards from this group is currently out for comment and will be considered by the Executive Committee in June. Further work may be required as a result of Order No. 587-G, to implement necessary information standards for trading, which could delay completion of this project by six months to December 1998. Otherwise, this project would be delayed in committee by one month to July 1998.

Model Trading Partner Agreement

Second Quarter

On Schedule. This effort is chaired by Jim Buccigross of National Registry as chair of the Contracts Subcommittee and Shelley Corman of Enron Pipeline Group as the MTPA task force chair. The second draft of the MTPA has been completed, and should be completed through its task force in June on schedule. The Executive Committee will consider it for vote in either July or August.

Title Transfer Tracking

Fourth Quarter

On Schedule. The task force should be completed with its standards efforts in August 1998, after which they are passed to the Information Requirements Subcommittee and Technical Subcommittee for implementation of the business practice standards, which should conclude in December 1998. The task force chairs are Norm Walker of El Paso Natural Gas, Jerry Hahn of Texaco Natural Gas, Jim Buccigross of National Registry, Diane McVicker of Salt River Project, and Bill Oppenheim of PECO Energy.

Ranking Across Contracts

Fourth Quarter

Not Started. This effort has not started but should begin this month. Current estimates show that it should be completed by December 1998 if the scope of the project is limited to pathed non-threaded pipelines.

Multi-tiered Allocations

Fourth Quarter

On Schedule. Several subcommittees have been active on the development of standards for multi-tiered allocations, including the Business Practices Subcommittee, the Business Practices Subcommittee Allocations Grid Task Force, and the Information Requirements Subcommittee. The business practices should be developed by October 1998 meeting the December 1998 deadline. The implementation of the business practices should conclude by May 1999.



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

Common Look and Feel Web Pages

Second Quarter

On Schedule. Internet team efforts to develop the proposed standards for the non-transactional portions of the web pages concluded on April 9, at which time they were distributed for industry comment. The Executive Committee considered and adopted these standards on May 20. They are currently out for ratification and if passed, will be included in version 1.3 of the standards manuals. The chair of the Internet team is Norm Walker of El Paso Natural Gas.

Standards Maintenance

Ongoing

On Schedule. To date, there are 107 requests for standards and clarifications active, 95 of which are in committee. Out of a total of 371 requests, 262 are completed, one of which was completed in this period (second quarter 1998). We received 10 new requests so far this period; the number of requests received on a monthly basis has declined significantly. The effort is currently focused on the flowing gas issues.

EBB to Internet Transition of Functions Plan

Second Quarter

On Schedule. Seven models have been developed which have been merged into two models. The plan has been drafted and forwarded to the Board of Directors for consideration on June 18. The team is composed of two representatives from each segment selected by the Executive Committee with the officers of the Executive Committee and Rae McQuade.

The team has placed on the plan, and already set in motion the addressing of the two outstanding capacity release EDI transactions for which there are no standards and the request for development of the Index of Customers (GISB Request Nos. R97111 and R97120).

Report to the FERC

First Quarter

Completed. The report, approximately 6000 pages organized into eleven volumes was filed with the Commission on March 20 and is posted on the GISB Home Page. FERC Order No. 587-G was issued on April 16 addressing the filing made by GISB and others.



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

GAS INDUSTRY STANDARDS BOARD

1998 ANNUAL PLAN

<u>ITEM DESCRIPTION</u>	<u>STATUS</u>	<u>SCHEDULED COMPLETION DATE¹</u>
1 FINISH THE WORK OF THE OPEN ISSUES		
a. Intraday Compromise Model	Completed 3/12/98	1st Qtr 1998
b. Contracts -- Gas Day Trades	Ratification due 6/24/98	1st Qtr 1998
c. OBA standards	In Progress	2nd Qtr 1998
d. Imbalance netting standards	Behind Schedule	2nd Qtr 1998
e. Contracts -- Trading Partner Agreement	In Progress	2nd Qtr 1998
f. Title Transfer Tracking (Nominations/Confirmations)	In Progress	4th Qtr 1998
g. Ranking Across Contracts	Not Started	4th Qtr 1998
h. Multi-tiered Allocations	In Progress	4th Qtr 1998
2 WEB PAGE STANDARDS AND TRANSITION OF EBBs TO INTERNET		
a. Report to FERC on Internet	Completed 3/20/98	1st Qtr 1998
b. Standards Development for Web Pages	In Progress	2nd Qtr 1998
c. Plan for the transition of EBB functions to the Internet	In Progress	2nd Qtr 1998
d. Development of standards for the transition of EBB functions		to be determined
3 ORGANIZED PROGRAM OF STANDARDS MAINTENANCE		
a. Update prepared for the Board by the Executive Committee officers regarding the maintenance plan	Completed 12/8/97	4th Qtr 1997
b. Schedule for Future Releases of Data Sets and Related Business Practice Standards - Pending Requests and Future Maintenance Needs		
Flowing Gas and Invoicing	In Progress	1998
Nominations and Capacity Release		1999
c. Ongoing Interpretations for Clarifying Language Ambiguities	In Progress	Ongoing
d. Ongoing work on Code Values and Other Technical Matters	In Progress	Ongoing

¹ Dates in the completion column are by end of the quarter, and reflect work that is out of the task force. 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.



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

CHANGES TO THE 1998 ANNUAL PLAN

Order 587 Potential GISB Efforts

#	(A) Annual Plan?	(B) Meets Date?	(C) Assigned to	(D) Description	(E) Order Date	(F) Task F. Date	(G) Comp. Date	(H) Note
1	✓	✓	EC	Intraday Nominations	Done	Done	7/98	1
2	✓	✓	OBA T.F.	OBA Standards	6/98	5/98	7/98	2
3	✓	✓	OBA T.F.	OBA Model Agreement	6/98	6/98	7/98	2
4	✓	✗	Imb. T.F.	Imbalance Netting & Trading	6/98	12/98	5/99	3
5	✓	✓	T.T.T.	Title Transfer Tracking	12/98	8/98	12/98	4
6	✓	✓	Unassigned	Cross Contract Ranking	12/98	7/98	12/98	5
7	✓	✓	Several ¹	Multi-tiered Allocations	12/98	10/98	3/99	6
8	✓	✗	EC/Triage	Common Codes Reference -- Business Parties	8/98	12/98	4/99	7
9	✗		EC/Triage	Critical Notices	12/98	10/98	3/99	8
10	✗			Fuel Reimbursement	12/98	12 mos.	12 mos.	9
11	✗			HTML Versioning	None	9 mos.	9 mos.	10
12	✗			URL Standard Naming Conventions	None	Done	Done	11
13	✗			Other Electronic Communications - Funds Transfer	None	24 mos.	24 mos.	12
14	✓	TBD	EBB Trans.	Transactional Web Site	6/99	12 mos.	12 mos.	13
15	✓	✓	Tech. SC	Identified EDI Development - Capacity Release	6/99	4/98	12/98	14
16	✗			Business Transactions for EDI development	6/99	see note	see note	15
17	✗			Other Items for Development for Order 587	6/99	see note	see note	16
18	✓	✓	Several ²	Publication Schedule	7/98	7/98	7/98	17

Potential Efforts Affecting the Plan

19	✗		ANSI T.F.	Y2K GISB Standards Compliance	n/a	12/98	12/98	18
20	✗		Industry	Y2K Industry Compliance	n/a	12/99	12/99	18

¹ The groups responsible for multi-tiered allocations are the Allocations Grid Task Force, BPS for PDA issues, and Title Transfer Tracking.

² The groups responsible for the publication schedule recommended changes are the Technical Subcommittee, ANSI Compliance Team, volunteer drafters and the GISB office.



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

CHANGES TO THE 1998 ANNUAL PLAN

Description of Columns:

- A. This column notes if the activity described in the order is contained within the 1998 Annual Plan.
- B. This column notes if the item is within the Annual Plan, will the date still be met as the activity is described in the order.
- C. If the activity has already been assigned to a group, the group is abbreviated in this column.
- D. This column provides a brief description of the activity potentially impacting the 1998 Annual Plan.
- E. This column notes if the order specifies a date by which the activity should be completed.
- F. This is the expected completion date for primary task force activity. This date does not include activities from the Information Requirements Subcommittee, the Technical Subcommittee, release of standards for industry comment, Executive Committee vote or membership ratification.
- G. This is the expected completion date for the standards development process through ratification.
- H. This column references the notes following for the activity described in the column D.

Notes:

1. The intraday nominations business practice standards are cited in the order, and they are complete excepting the blank time in GISB Standard No. 1.3.2. The Executive Committee will undertake the blank time in their scheduled May meeting. The implementation efforts for the business practice standards (information requirements defined, technical implementation in X12 format defined, industry comment, Executive Committee vote, and member ratification) will conclude in July, after which it will be published in the Standards Manuals in version 1.3 by July 31, 1998.
2. OBA standards and model agreement was cited in the order for a June 1998 deliverable. The efforts have been underway since March on the OBA task force and GISB should be able to meet the deadline. The task force has completed the standards work, which will go out for industry comment in May, voted on by the Executive Committee in June and ratified by the membership in July, after which it will be included in the July version 1.3 release of standards manuals. The order cites a standard OBA agreement but the task force supported the development of a model. The model should be completed in June by the task force, for a vote by the Executive Committee in July after which it is considered fully complete.
3. Imbalance netting and trading was cited in the order for a June 1998 deliverable. The efforts are underway, but with netting and trading function as described in the order could be significantly more than originally planned. It is doubtful that GISB would complete this level of work before the end of the year and it could be further compromised by the efforts underway for title transfer tracking. As such the completion dates are estimated at the end of the year for business practice standards and April 1999 for the implementation of the business practices, (information requirements defined, technical implementation in X12 format defined, industry comment, Executive Committee vote, and member ratification).



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

CHANGES TO THE 1998 ANNUAL PLAN

4. Title Transfer Tracking was cited in the order, and the GISB Annual Plan has a completion date for the end of the year. The task force will complete standards work in August, and by the end of the year the implementation efforts for the business practice standards will be complete, (information requirements defined, technical implementation in X12 format defined, industry comment, Executive Committee vote, and member ratification).
5. Cross contract ranking is cited in the order and is on the Annual Plan to conclude by the end of the year. GISB will have a better understanding of the level of effort as the task force is formed and begins to review the necessary level of standardization. If the effort is limited to cross contract ranking for pathed non-threaded modeled pipelines, it is expected that the task force can be convened to address this item beginning in July and concluding by the end of the year 1998, meeting the dates set forth in the Annual Plan. If the effort addresses more than pathed non-threaded pipelines, then the time line for completion may require adjustments.
6. Multi-tiered Allocations is cited in the order and is scheduled to complete according to the GISB Annual Plan at the end of the year. The business practice standards will complete by October 1998 -- meeting the Annual Plan date for completion, and the implementation efforts for the business practice standards (information requirements defined, technical implementation in X12 format defined, industry comment, Executive Committee vote, and member ratification) will conclude in March 1999.
7. Development of a common code business entity cross reference was cited in the order for consideration by GISB, with no completion date cited. The Executive Committee has a request outstanding for action on this item, Request No. R98020, and work will progress as directed by the Executive Committee through the maintenance function of the Annual Plan. The officers of the Executive Committee and the GISB office are working with Dun and Bradstreet currently to address this item.
8. Critical Notices is a new development activity cited in the order. The Business Practices Subcommittee has an outstanding request received in late April -- R97119 to be acted on by the Executive Committee in May. The order cites an end of the year deliverable and completion dates will be set once the EC has acted on the request. It is expected that this work will begin in June in the Business Practices Subcommittee as it is covered by two requests currently on their agenda -- Request Nos. R96007 and R96008 -- regarding Operational Flow Orders. If the effort is more complex than currently envisioned, the estimated completion dates will require revisions.
9. Fuel Reimbursement cited by the order for completion at the end of the year is not on the 1998 Annual Plan and it is doubtful that this could be undertaken on 1998 without postponing other ongoing or planned efforts. It is reflected in the "Potential GISB Efforts" as to be considered when defining the 1999 Annual Plan. There are two outstanding requests related to fuel -- Request Nos. R97041 - "Add a new fuel reimbursement option to the nominations related data sets allowing separate nominations for fuel gas" , and R97121 - "Add a new Standard to the Nominations Related Standards to enable service requesters to contract with third-party agents which agents would provide required fuel at appropriate points". The effort would take 12 months to complete, based on other similar efforts undertaken by GISB.



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

CHANGES TO THE 1998 ANNUAL PLAN

10. HTML version specification is a significant effort estimated to expend nine months to complete. It is not currently on GISB's 1998 Annual Plan to be addressed. It would be considered after the receipt of a request to do so. The request should be forwarded prior to or during the annual planning process for 1999.
11. URL standard naming structures were considered during the Internet "Look and Feel" task force meetings (August 1997 to April 1998), and the task force determined that standard naming conventions were not necessary during this phase of standards development. As such, it is shown as "Done" and would not require any changes to the 1998 Annual Plan.
12. Other electronic communication such as electronic funds transfer were mentioned in the order for consideration by GISB with no date for completion recommended. GISB would act on this item after a request is received or it is placed in a subsequent Annual Plan. It is expected that if GISB received a request to review and possibly develop standards for an electronic communications technology that GISB had not been previously considered by GISB, the time frame for development could be significant and as such it is represented in the "Potential GISB Efforts" as 24 months.
13. The development of a transactional web site is cited in the order. There is significant debate in GISB over this development, in particular, members are debating the "whether" question on whether standards should be developed for transactional web sites, and to what extent they should be developed. Models and plans will be provided to the Board of Directors on June 1, for action on June 18. It is estimated that it could take 12 months to develop transactional web site standards for the 32 business transactions that already have EDI standards developed for them.
14. The order cites EDI development may be needed for other business transactions that are communicated electronically but do not have EDI data sets developed. Two of the datasets -- Upload of Offer and Upload of Bid are already underway. The business practice standards were developed in April, and the implementation of those business practices (information requirements defined, technical implementation in X12 format defined, industry comment, Executive Committee vote, and member ratification) will conclude by year end 1998.
15. For the data set development that is not underway yet, it is recommended that companies review their electronic business transactions and submit requests to GISB to develop EDI transactions by June 1, 1998 -- which is being considered by the Board. Other requests will be considered as they are received. Once the requests have been received, GISB will better understand the scope of work and a plan will be drafted to address those requests with an expected completion date for the plan by September 1998.
16. There may be other electronic standards needed for compliance with the order not related to EDI development, and those requests should also be forwarded to the GISB office by June 1, 1998 for inclusion in the plan for development. Once the plan is developed, the completion dates will be defined. Again, other requests will be considered as they are received.



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

CHANGES TO THE 1998 ANNUAL PLAN

17. The publication schedule for GISB versions and manuals may need altering as a result of the above activities. The schedule to meet the July deliverables is on target and should be met. The schedule may change to coincide with the ANSI publication dates, major development efforts in GISB, or to support efforts on Y2K compliance. The intent of the publication dates is to minimize the changes to the industry.
18. Year 2000 (Y2K) compliance is a major effort facing all industries. The GISB standards will be Y2K compliant by the end of the year. Each company has its own schedule for ensuring that embedded systems are Y2K compliant. Recent reports cite that the two largest information services efforts facing companies in 1998 and 1999 are electronic commerce efforts and Y2K compliance.

Related Notes;

1. With a few years of standards development completed, experience has shown that GISB can undertake two major development activities each year (activities approximating 12 months or more) -- for example, GISB postponed activity on title transfer tracking until intraday nominations development was completed through the task force (column F in the "Potential GISB Efforts") because the Internet Standards effort was also underway. It should be assumed that this trend will continue as GISB endeavors not to have concurrent task force or subcommittee meetings and the resource base has remained stable. If more than two major development efforts are undertaken the months cited for completion may require extensions.
2. In related activities, comments are due on the Notice of Proposed Rulemaking RM96-1-008 on May 22, and page 32 of Order 587-G referencing bumping secondary firm transportation may or may not affect the existing intraday nominations standards.



GAS INDUSTRY STANDARDS BOARD

1998 ANNUAL PLAN

MAINTENANCE PLAN

Approved by the Board of Directors on December 8, 1997

Updated June 1, 1998

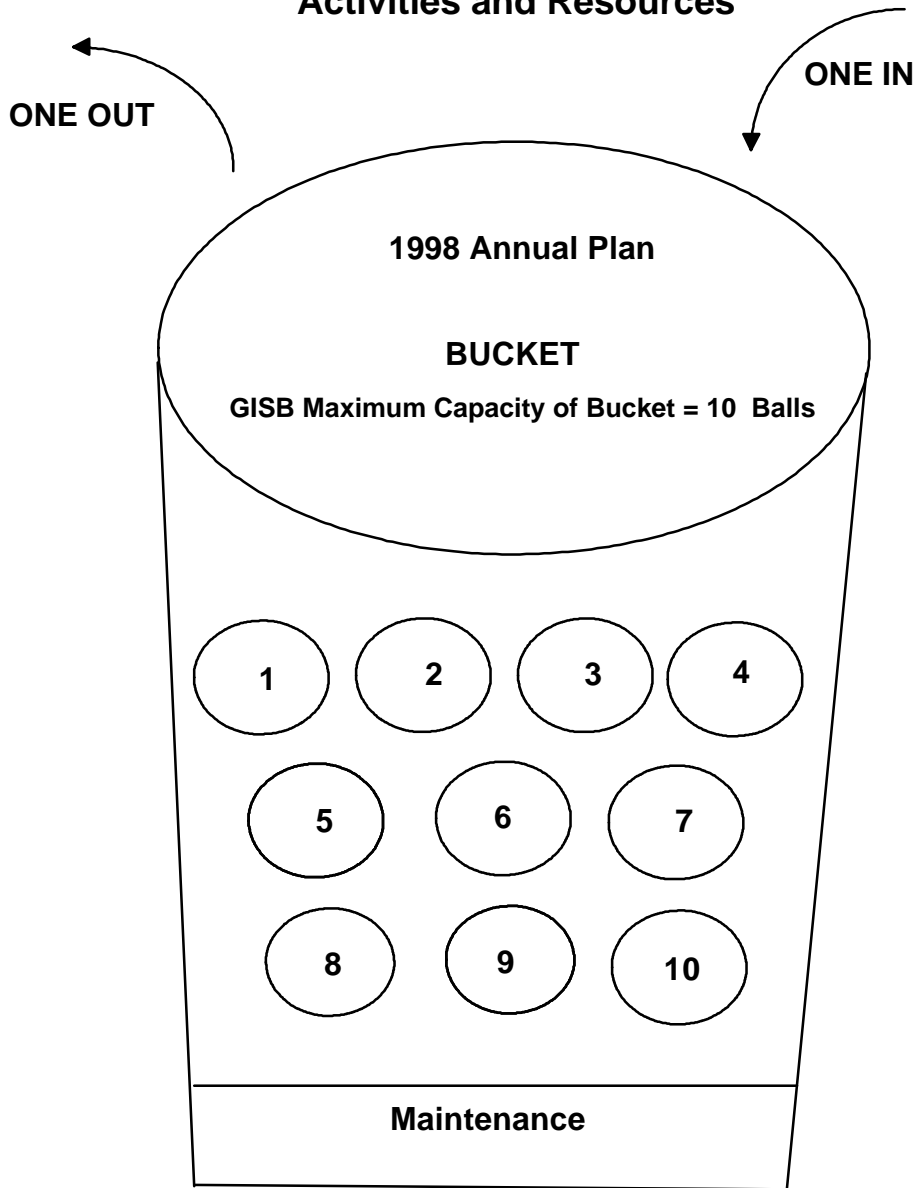


**GAS INDUSTRY STANDARD BOARD
1998 ANNUAL PLAN**

<u>ITEM</u>	<u>COMPLETION DATE</u>
1. Intraday Compromise Model	1st Qtr 98
2. Contracts - Gas Day Trades	1st Qtr 98
3. OBA Standards	2nd Qtr 98
4. Imbalance Netting Standards	2nd Qtr 98
5. Contracts - Trading Partner Agreement	2nd Qtr 98
6. Title Transfer Tracking	4th Qtr 98
7. Ranking across Contracts	4th Qtr 98
8. Multi-tiered Allocations	4th Qtr 98
9. Common Look and Feel Web Pages	2nd Qtr 98
10. EBB to Internet Transition of Functions	To Be Determined
- Standards Maintenance	Ongoing

GAS INDUSTRY STANDARDS BOARD

**1998 Annual Plan
Activities and Resources**



The Annual Plan incorporates the concept of a reasonable work load of from 5-10 items during any year. Imagine a "bucket" that contains from 5 to 10 balls in it. In order to add a "new ball", an existing or "old ball" must be removed, i.e. completed. This approach ensures that as an organization, GISB will be able to govern its work load so that its many stakeholders, including its members and the many industry volunteers working on these projects will be reasonably assured of successful completion of these 5-10 items during any given year.

In prioritizing active requests, and taking into account the development of a Maintenance Plan, the Executive Committee reviews the pending requests and assigns them a priority based on the following criteria:

- 1) The requests would be logically grouped by the subject of the activity. For example, the annual plan activity for item **Title Transfer Tracking** would include all pending requests relevant to title transfer tracking -- R96025, R96048, R97019, R97043, R97048 and R97049.
- 2) Next, all **Flowing Gas** requests would be grouped together so that they are processed as a 'group' of related items, (the 1998 Annual Plan identifies **Flowing Gas** and **Invoicing** items as 1998 work projects -- **Nominations** and **Capacity Release** are slated for focus during 1999 but may begin in 1998 if all Flowing Gas and Invoicing requests are addressed).
- 3) Any **EDM, Contracts** or **Other** requests would be addressed as dictated by the Annual Plan and would be triaged accordingly.
- 4) Pending requests related to **Code Values** and **Other Technical Matters** as well as **Interpretations for Clarifying Language Ambiguities** would be dealt with on an ongoing basis and would be triaged accordingly.

As Request for New Standards, Modifications to Existing Standards, or Clarifications are received during 1998, the Triage Subcommittee will assign a priority pursuant to the above criteria and instructions. If a Request is received and the Triage Subcommittee determined that it will not be processed until the next Annual Plan cycle (re: 1999), then the Executive Committee will, upon acceptance of the Triage Subcommittee recommendation, instruct the Executive Director to notify the Requesting Party accordingly.

As noted in the Annual Plan, a schedule will be developed by the Executive Committee with respect to future releases of data sets and related business practice standards. The publication schedule will be developed in conjunction with the Maintenance Plan.

Maintenance Plan

Item 3 of the 1998 Annual Plan: Organized Program of Standards Maintenance

3(a) **Update:** Materials were presented to the Board of Directors at the December 8, 1997 meeting and the plan was approved by the Board of Directors.

3(b) **Schedule of Future Releases:**

- July 1998 Version 1.3 (update of all standards manuals with the changes adopted since Version 1.2 issued on July 31, 1997)
- July 1999 Version 2 (update of only Flowing Gas and Invoices Standards Manuals)
- July 2000 Version 2 (update of only Nominations and Capacity Release Manuals)

3(c) and 3(d) **Interpretations, Code Values, Other:** will be included in ongoing Annual Plan projects and Future releases as appropriate.



**1998 GISB MAINTENANCE PLAN
SUMMARY OF REQUESTS
FOR STANDARDS AND CLARIFICATIONS**

	<u>Total</u>	<u>Requests for Standards and modifications</u>	<u>Requests for Clarifications</u>
Total	371	310	61
Completed	<u>262</u>	<u>213</u>	<u>49</u>
Pending	109	97	12
			<u>Pending</u>
		Postponed	0
		Out for Ratification	5
		Out for Industry Comment	13
		Awaiting Triage (R98021, 22)	2
		In Committee	89
			<u>Current Period</u>
		New Requests this period ¹	10
		Completed this period ²	1

¹ "This period" refers to April 1, 1998 to June 30, 1998

² "Completed" is composed of ratified standards and interpretations from April through June, 1998, requests are canceled by the Executive Committee and requests withdrawn by the requester that were not resubmitted by another party. Requests that are partially complete are considered pending until all parts have been completed.



1998 GISB MAINTENANCE PLAN
SUMMARY OF "OPEN" REQUESTS INCLUDED IN THE MAINTENANCE PLAN

1998:	FUNCTIONS	NUMBER OF REQUESTS
	Flowing Gas	24
	Invoicing	14
	EDM	7
	Title Transfer Tracking	6
	Contracts	3
	Code Values	1
	Other	9
		==
	TOTAL	64
1999:	FUNCTIONS	NUMBER OF REQUESTS
	Nominations	25
	Capacity Release	8
		==
	TOTAL	33
		==
GRAND TOTAL		97



1998 GISB MAINTENANCE PLAN
"OPEN" REQUESTS INCLUDED IN THE MAINTENANCE PLAN

FLOWING GAS	INVOICING	EDM ¹
R96007	R96121	R97071
R96008	R97088	R97102 (Look and Feel)
R96034	R97090	R97103
R96056	R97091	R97104
R96124	R97094	R97119
R96131	R97123	R97126
R97020	R97128	R98022
R97036	R98003	TITLE TRANSFER TRACKING²
R97080	R98007	R96025
R97086	R98008	R96048
R97087	R98009	R97019
R97093	R98010	R97043
R97117	R98021	R97048
R98001	C98003	R97049
R98005	CODE VALUES	
R98006	R97064	CONTRACTS³
R98011		R95003 (OBA)
R98012	OTHER	R96004 (MTPA)
R98013	R97046 (Definitions)	R97060 (MTPA)
R98014	R97058 (D-U-N-S® No.)	
R98015	R97113 (Categories)	R95003 (OBA)
R98016	R96022 (Categories)	R96004 (MTPA)
C97009	C97001 (D-U-N-S® No.)	R97060 (MTPA)
C97012	R97108 (Review of BC Usage)	
C97013	R96018(R/T Capacity Release)	
	R97120 (Index of Customers)	

¹ To be addressed with Annual Plan Item No. 2
² To be addressed with Annual Plan Item No. 1f
³ To be addressed with Annual Plan Item Nos. 1c, 1d, and 1e



1999 GISB MAINTENANCE PLAN
"OPEN" REQUESTS INCLUDED IN THE MAINTENANCE PLAN

NOMINATIONS

R96009
R96044
R97022
R97062
R97124
C96028
R97070
R97072
R97073
R97074
R97075
R97076
R97077
R97082
R97089
R97116
R97118
R97121
R97125
R97127
C98002
C98004
C98005
C98006
C98007

CAPACITY RELEASE

R96115
R97011
R97068
R97110
R97111
R97114
R97122
R98017
C98001



7. 1998 FINANCIAL REPORT

- Attached is the financial report for the GISB organization for April 1998. The report is prepared on an accrual basis. Susan Admire of Admire Associates and Rae McQuade will review the reports and answer questions.





8. 1998 MEMBERSHIP REPORT

- Attached is the Membership Report as of June 1, 1998.
- Rae McQuade will review the report.
- A report is attached detailing the efforts undertaken by the GISB office regarding membership. Membership letters were sent out by the GISB office the week of February 17.





1998 GISB CORPORATE MEMBERS

Alliance Pipeline Ltd.	Conoco, Inc.	International Paper
Altra Energy Technologies, L.L.C.	Consumers Energy	Iroquois Gas Transmission System
Altra Streamline, L.L.C.	Coral Energy Resources, L.P.	K N Energy, Inc.
American Electric Power	Defense Energy Support Center	Kern River
Amoco Corporation	Deloitte & Touche Consulting Group	Koch Gateway Pipeline
Andersen Consulting LLP	Department of Energy	Koch Midstream Services Co.
ANR Pipeline Company	Duke Energy Field Services	Laclede Gas Co.
Aquila Energy	Duke Energy Trading and Marketing	Latitude Technologies
Arizona Public Service Company	EDS	Lone Star Pipeline Company
Baltimore Gas & Electric Co.	El Paso Natural Gas Co.	Marathon Oil Company
Boeing Co.	Elite Computer Consultants	Michigan Consolidated Gas Co.
Brooklyn Union Gas Co.	Engage Energy	Mid Continent Market Center
Burlington Resources	Enogex, Inc.	MidAmerican Energy Company
Cabot Oil & Gas Marketing Corp.	Enron Administrative Corp.	Midcon Gas Services Corp.
Central Illinois Public Service	Enron Capital & Trade Resources	Midland Cogeneration Venture
Chevron U.S.A. Production	Entergy Services, Inc.	Mississippi River Transmission
Cincinnati Gas & Electric Co.	Equitable Gas Company	Mitchell Gas Services, Inc.
Citizens Power Sales	Ernst & Young	Mobil Natural Gas, Inc.
CNG Producing Company	EUA Ocean State Corporation	Mobile Bay Pipeline Company
CNG Transmission Corp.	Exxon Company, U.S.A.	National Fuel Gas Distribution
Coastal Oil & Gas	Fina Oil & Chemical	National Fuel Gas Supply Corp.
Colonial Gas Company - NEGA	Florida Gas Transmission Co.	National Registry of Capacity Rights
Colorado Interstate Gas Co.	Florida Power & Light Company	National Utility Investors
Columbia Energy Services	Gaslantic	Natural Gas Clearinghouse
Columbia Gas Distribution Co.	Great Lakes Gas Transmission	Natural Gas Pipeline Co of America
Columbia Gas Transmission	Group 8760, LLC	New England Power Company
Columbia Gulf Transmission Co.	Hatch Associates Limited	NGC Corporation
Comprehensive Energy Services	Houston Lighting & Power Company	Nicor Gas
ConEdison	IBM Corporation	NIPSCO Industries, Inc.
Connecticut Natural Gas Corp.	Idaho Power Company	NorAm Energy Services, Inc.



GISB CORPORATE MEMBERS

NorAm Gas Transmission Company	SABRE Energy
Northern Border Pipeline Co.	Salt River Project
Northern Natural Gas Co.	Southern California Gas Co.
Northern States Power - Wisconsin	Southern Company Energy Marketing
Northwest Pipeline Corporation	Southern Connecticut Gas Co.
NOVA Gas Transmission Ltd.	Southern Natural Gas Co.
NrG Information Services, Inc.	Southwest Gas Corporation
ONG Transmission Company	Southwestern Energy Company
OXY U.S.A. Inc.	Superior Natural Gas Corporation
Pacific Gas & Electric	Tejas Offshore Pipelines
PanCanadian	Tennessee Gas Pipeline
Panhandle Eastern Pipe Line Co.	Texaco Natural Gas, Inc.
PECO Energy Co.	Texas Eastern Transmission Corp
Pemex Gas y Petroquimica Basica	Texas Gas Transmission Corp.
Pennsylvania Power & Light Co.	The SABRE Group
Pennzoil Company	TransCanada Pipelines
Peoples Gas Light & Coke Co.	TransCapacity L.P.
Peoples Natural Gas Co.	Transcontinental Gas Pipe Line
PG&E Gas Transmission	TransEnergy Management, Inc.
PG&E Texas Industrial Energy, L.P.	Transok, Inc.
Phillips Petroleum Co.	Transwestern Pipeline Co.
Piedmont Natural Gas Co.	Vastar Resources, Inc.
PI/Dwights	Viking Gas Transmission Company
Portland Natural Gas Transmission	Washington Gas Light Co.
Producers Energy Marketing, LLC	Westfield Gas & Electric Light Dept.
ProLiance Energy, L.L.C.	Williams Energy Services Co.
Providence Gas Co.	Williams Gas Pipelines
Public Service Electric & Gas	Williams Natural Gas Co.
Questar Pipeline Co.	Williston Basin Interstate Pipeline
Sabine Pipe Line Company	Wisconsin Gas Company



GAS INDUSTRY STANDARDS BOARD
GISB BOARD OF DIRECTORS MEETING
MEETING MATERIALS
JUNE 18, 1998

9. ADMINISTRATIVE

- For your convenience attached are the schedule of Board meetings in 1998, the schedule of Executive Committee meetings in 1998, the roster of Executive Committee members, and the current organization of committees and leadership.





Gas Industry Standards Board

1100 Louisiana, Suite 4925
Houston, Texas, 77002

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

May 11, 1998

1998 Calendar of Board of Directors Meetings

<u>DAY</u>	<u>DATE</u>	<u>LOCATION</u>
Thursday	June 18	Houston
Thursday	September 30	San Antonio
Thursday	December 3	Houston



Gas Industry Standards Board

1100 Louisiana, Suite 4925
Houston, Texas, 77002

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

June 2, 1998

1998 Calendar of Executive Committee Meetings

<u>DAY</u>	<u>DATE</u>	<u>LOCATION</u>
Thursday	July 16	Boston/Providence
Thursday	August 20	Houston
Thursday	September 17	Chicago
Thursday	October 15	Houston
Thursday	November 19	Salt Lake City
Thursday	December 17	New York City



Gas Industry Standards Board

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

Gas Industry Standards Board

Executive Committee for 1998

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

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

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

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

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

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



Gas Industry Standards Board

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

Gas Industry Standards Board

Executive Committee Alternates for 1998

END USERS

	TITLE AND COMPANY
Steve Jargo	Director, Midland Cogeneration Venture
Mary Lynch	Natural Gas Supply Administrator, New England Power
Joel Greene	Partner Energy Advocates LLP, rep. Salt River Project

LDCS

	TITLE AND COMPANY
Dolores Chezar	Manager, Federal Regulation, Brooklyn Union
Steve Sullivan	Manager, Regulatory Matters, Consolidated Edison
Baba Fapohunda	Director, Gas Management, Equitable Gas
Rick Ishikawa	Transportation Contract Advisor, Southern California Gas
Steve Shaiko	Executive Director, Energy Acquisition, Washington Gas

PIPELINES

	TITLE AND COMPANY
Joe Pollard	Director, Customer Information Services, ANR Pipeline Company
Bill Griffith	Manager, Volume Management, Colorado Interstate Gas Company
Mark Gracey	Consultant Business Processes, Tennessee Gas Pipeline Company
Theresa Hess	Information Specialist, Transwestern Pipeline Co. ¹
Sharon Eady	Vice President, Marketing Services, NorAm Gas Transmission & MRT
Joyce Phillips	Director, Policy Analysis, Regulatory Affairs, Texas Eastern Transmission
Julie Unruh	GISB Liaison, Koch Gateway
Randy Zobell	Director of Customer Service, Questar Pipeline

PRODUCERS

	TITLE AND COMPANY
Carla Johnson	Conoco
Richard Smith	Mobil

SERVICES

	TITLE AND COMPANY
Dave Pfeifer	Senior Manager, The Americas Energy Practice, Andersen Consulting
Marty Patterson	Director of Operations, Idaho Power
Sylvia Munson	Manager, Electronic Commerce, Streamline

¹ Theresa Hess represents Florida Gas Transmission Co. , Northern Border Pipeline Co., Northern Natural Gas Co., and Transwestern Pipeline Co.



Gas Industry Standards Board

1100 Louisiana, Suite 4925
Houston, TX 77002

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

Group

Board of Directors
Advisory Committee
Editorial Review Board
Process Committee
Membership Committee
Annual Plan Committee

Executive Committee

Business Practices Subcommittee

Triage Group

Definitions Team

Internet "Look and Feel" Team

Information Requirements Subcommittee

Electronic Delivery Mechanisms Subcommittee

Future Technology Task Force

Technical Subcommittee

Common Codes Subcommittee

Communications Subcommittee

Annual Meeting Task Force

Contracts Subcommittee

Model Trading Partner Agreement Task Force

Operational Balancing Agreements Task Force

Day Trading Contract

Interpretation Subcommittee

Intra-day Nominations Task Force

Title Transfer Tracking Pilot Test Task Force

Chairs

Terry Ciliske

Comm. Bruce Ellsworth

Terry Ciliske, Mike Bray

Bill Boswell

EC or Board Chair (Vacancy), Joyce Phillips

Selected Board Members and Executive

Committee Officers

Mike Bray

Norm Walker, Bob Wallenhorst, Greg Lander,

Kristine Mespelli, LDC Vacancy

Norm Walker, Bob Wallenhorst, Greg Lander,

Kristine Mespelli, LDC Vacancy

Jean Ford, Joe Kardas

Norm Walker, Susan Croley

Norm Walker, Carl Caldwell, Jim Buccigross,

Theresa Hess

Carl Caldwell

Susan Croley, Carl Caldwell

Bob Wallenhorst, Kim Van Pelt, Denise

Breeden, Lisa Harrison

Jerry Hahn, Bob Wallenhorst

Jerry Hahn

Keith Sappenfield

Jim Buccigross

Shelley Corman

Cynthia Corcoran

Bill Hebenstreit, Mike Wallace

Greg Lander

Jerry Hahn, Mike Novak

Jerry Hahn, Norm Walker, Diane McVicker, Jim

Buccigross, Bill Oppenheim