



Gas Industry Standards Board

1100 LOUISIANA, SUITE 4925

HOUSTON, TEXAS, 77002

PHONE - (713) 757-4175, FAX - (713) 757-2491, email gisb@aol.com

Home Page www.gisb.org

December 22, 1997

TO: GISB Members
FROM: Jo Ann Garcia
RE: **1997 ELECTRONIC COMMERCE SURVEY**

Attached are the results of the industry Electronic Commerce Survey conducted by GISB.

There were thirty-seven companies from the various segments answering the survey. Only three respondents reported not using any electronic standards. All respondents using electronic standards, reported using X12 Version 3040 with ten respondents using combinations of Internet and Vans. The remaining twenty-seven respondents were using the Internet.

The electronic transaction receiving the highest use was Capacity Release, followed by the electronic transaction for nominations. Both Flowing Gas and Invoicing related electronic transactions showed little activity. Five of the respondents replied that their use of electronic data interchange (EDI) was strictly in a production mode. Of these, four respondents replied that their use was limited to nominations, and the other used EDI for both Nominations and Capacity Release. All remaining respondents were both in production and testing mode.

The highest number of trading partners reported for a given respondent was forty-eight. The lowest number of trading partners reported for a given respondent was one.

As always, your support of and participation in GISB is greatly appreciated.

Jo Ann Garcia

cc: Dennis Holbrook
Laurie Paulson



Gas Industry Standards Board
1997 Industry Survey

ELECTRONIC COMMERCE MATRIX

Survey Respondent Company	Production (P) or Test (T)	Receive (R) Send (S)	Trading Partners	Nominations Related Standards	Flowing Gas Related Standards	Invoicing Related Standards	Capacity Release Related Standards
Algonquin Gas Transmission	T	S	Enron Capital & Trade			18	
	T	R	Texaco	6			
	T	S	Texaco	7,10			
	T	R	TransCapacity				19
	P	S	TransCapacity				6,7,8,10,18,20,21,22
	T	R	FERC				19
	T	S	FERC				8,20
ANR Pipeline Company	P	R	Utilicorp	6			
	P	S	Utilicorp	7,10			
	T	R	Texaco	6,10			
	T	S	Texaco	7			
	P	S			14,15,16	18	
	T	S		8,9,11	13,17	19,20	
	T	R		8,9	12		
	P	S	FERC				6,7,8,10,18,19,20,21
	P	S	TransCapacity				6,7,8,10,18,19,20,21
	T	S	TransCapacity				13,14,16,17
T	R	TransCapacity				11,12,15	
CNG Transmission	***	***	TransCapacity				6,8,18,21
Colorado Interstate Gas	P	S/R	Utilicorp	6,7			
	T	S/R	Utilicorp	8,9,10			
	T	S/R	NGPL	8,9			
	T	S/R	TransCapacity	6,7			
	T	S/R	Williams	8,9			
	T	S/R	Panhandle	8,9			
	T	S/R	TransCapacity				6,7,8
	T	S/R	FERC				6,7,8

*All survey respondents were using X12 Version Number 3040

**Unless otherwise indicated respondents were using the Internet

***Not Indicated

#Old Format
V=Van X12,B=Both

Survey Respondent Company	Production (P) or Test (T)	Receive (R) Send (S)	Trading Partners	Nominations Related Standards	Flowing Gas Related Standards	Invoicing Related Standards	Capacity Release Related Standards
El Paso Natural Gas	P	R	NWPL	9			
	P	S	NWPL	8,9,11			
	P	R	El Paso FS	8			
	P	S	El Paso FS	8,9			
	T	S	Williams FS	8,11			
	T	R	TransCapacity	6			
	T	S	TransCapacity	7,10			
	T	R	ECT	10			
	T	R	PG&E	6			
	T	S	PG&E	7,10			
	T	R	Southern Union	6			
	T	S	Southern Union	7,10			
	T	R	SoCal	6,9			
	T	S	SoCal	7,8,9,10,11			
	P	R	TransCapacity				19
	P	S	TransCapacity				6,8,18,20,21,22
	P	R	FERC	19			
P	S	FERC	8,20				
Enron Capital & Trade	P	S	Northern Natural Gas	6/V			
	P	R	Northern Natural Gas	7,10/V		18/V	
	T	S	Transwestern	6/V			
	T	R	Transwestern	7,10/V			
	P	R	Transwestern			18/V	
	T	R	EPNG		15	18	
	P	S	Florida Gas	6/V			
	P	R	Florida Gas	7,10/V		18	
	P	S	Columbia Gas	6			
	P	R	Columbia Gas	7,10			
	T	R	Texas Eastern			18	
	T	S	Panhandle	6			
	T	R	Panhandle	7,10			
	T	S	NGPL	6			
	T	R	NGPL	7,10		18	

*All survey respondents were using X12 Version Number 3040

**Unless otherwise indicated respondents were using the Internet

***Not Indicated

#Old Format
V=Van X12,B=Both

Survey Respondent Company	Production (P) or Test (T)	Receive (R) Send (S)	Trading Partners	Nominations Related Standards	Flowing Gas Related Standards	Invoicing Related Standards	Capacity Release Related Standards
Farmland Industries	P	R	Williams Natural Gas				6,7,8,10,11,18,19,20
Florida Gas Transmission	P	R	***	6/V			
	P	S	***	7,10,11/V			
	P	R	***	6			
	P	R	***	6			
	P	R	***	6			
	P	R	***	6			
	P	R	***	6			
	P	S	***	7,10,11	16	18	
	P	S	***	7,10,11			
	P	S	***	7,10,11			
	P	S	***	7,10,11			
	P	S	***	7,10			
Florida Power & Light	P	S	Florida Gas	6			
	P	R	Florida Gas	7,10			
Great Lakes Gas Transmission	T	S/R	Utilicorp	6,7,10	16		
	P	S/R	TransCapacity				6,7,8,10,11,18,19,20,21
Iroquois Gas	P	S	TransCapacity	6,7,8,9,10,11/V			
Kern River Gas	P	S	Northwest Pipeline	8			
	P	S	Williams Field Services	8			
	P	S	Mojave	6			
	T	R	Northwest Pipeline	9			
	T	R	Williams Field Services	9			
	P	S	TransCapacity				6
	P	S	National Capacity Registry				7
	P	S	National Capacity Registry				8
	P	S	National Capacity Registry				10
	P	S	National Capacity Registry				18
	P	R	National Capacity Registry				19
	P	S	National Capacity Registry				20
	P	S	National Capacity Registry				21

*All survey respondents were using X12 Version Number 3040

**Unless otherwise indicated respondents were using the Internet

***Not Indicated

#Old Format
V=Van X12,B=Both

Survey Respondent Company	Production (P) or Test (T)	Receive (R) Send (S)	Trading Partners	Nominations Related Standards	Flowing Gas Related Standards	Invoicing Related Standards	Capacity Release Related Standards
Mojave Pipeline	P	R	Kern	6			
	P	S	Kern	7,10			
	P	R	TransCapacity				19
	P	S	TransCapacity				6,8,20,21,22
National Capacity Registry	P	S/R	AGT				6,7,8,1018,19,20,21,22
	P	S/R	ANR				6,7,8,1018,19,20,21,22
	P	S/R	MIT				6,7,8,1018,19,20,21,22/V
	P	S/R	CGULF				6,7,8,1018,19,20,21,22
	P	S/R	CIG				6,7,8,1018,19,20,21,22
	P	S/R	CNGT				6,7,8,1018,19,20,21,22
	P	S/R	EPNG				6,7,8,1018,19,20,21,22
	P	S/R	EQT				6,7,8,1018,19,20,21,22
	P	S/R	ETNG				6,7,8,1018,19,20,21,22
	T	S/R	FGT				6,7,8,1018,19,20,21,22
	T	S/R	GLGT				6,7,8,1018,19,20,21,22
	T	S/R	GSTATE				6,7,8,1018,19,20,21,22
	T	S/R	IGTS				6,7,8,1018,19,20,21,22
	P	S/R	Koch				6,7,8,1018,19,20,21,22
	P	S/R	Kern				6,7,8,1018,19,20,21,22
	P	S/R	KNI				6,7,8,1018,19,20,21,22
	P	S/R	Canyon Creek				6,7,8,1018,19,20,21,22
	P	S/R	Mojave				6,7,8,1018,19,20,21,22
	P	S/R	MRT				6,7,8,1018,19,20,21,22
	P	S/R	MWGT				6,7,8,1018,19,20,21,22
	P	S/R	NBPL				6,7,8,1018,19,20,21,22
	P	S/R	NFGS				6,7,8,1018,19,20,21,22
	P	S/R	NGPL				6,7,8,1018,19,20,21,22
	P	S/R	NNG				6,7,8,1018,19,20,21,22
P	S/R	Noram				6,7,8,1018,19,20,21,22	
P	S/R	NWPL				6,7,8,1018,19,20,21,22	
P	S/R	OVR				6,7,8,1018,19,20,21,22	
P	S/R	Paiute				6,7,8,1018,19,20,21,22	
P	S/R	PEPL				6,7,8,1018,19,20,21,22	
P	S/R	PGT				6,7,8,1018,19,20,21,22	
P	S/R	QPL				6,7,8,1018,19,20,21,22	

*All survey respondents were using X12 Version Number 3040

**Unless otherwise indicated respondents were using the Internet

***Not Indicated

#Old Format
V=Van X12,B=Both

Survey Respondent Company	Production (P) or Test (T)	Receive (R) Send (S)	Trading Partners	Nominations Related Standards	Flowing Gas Related Standards	Invoicing Related Standards	Capacity Release Related Standards
	P	S/R	SGNG				6,7,8,1018,19,20,21,22/V
	P	S/R	Sonat				6,7,8,1018,19,20,21,22/V
	P	S/R	Sea-Rob				6,7,8,1018,19,20,21,22/V
	P	S/R	Sting Ray				6,7,8,1018,19,20,21,22
	P	S/R	TBPL				6,7,8,1018,19,20,21,22
	P	S/R	TCO				6,7,8,1018,19,20,21,22
	P	S/R	TETCO				6,7,8,1018,19,20,21,22
	P	S/R	TGP				6,7,8,1018,19,20,21,22
	P	S/R	TKL				6,7,8,1018,19,20,21,22
	P	S/R	TransCol				6,7,8,1018,19,20,21,22
	P	S/R	Transco				6,7,8,1018,19,20,21,22
	P	S/R	TWPL				6,7,8,1018,19,20,21,22
	P	S/R	TXG				6,7,8,1018,19,20,21,22
	T	S/R	Viking				6,7,8,1018,19,20,21,22
	P	S/R	WBI				6,7,8,1018,19,20,21,22
	P	S/R	WIC				6,7,8,1018,19,20,21,22
	P	S/R	WNG				6,7,8,1018,19,20,21,22
NGPL, Trailblazer, Stingray, Canyon Creek	T	R	Amoco	6/V			
	T	S	Amoco	7/V			
	T	R	Coastal	6/V			
	T	R	CIG	8,9			
	T	S	CIG	8,9			
	T	S	Enron	7,10	13,14,16	18	
	T	R	Enron	6	12		
	P	R	Enron	6#			
	T	R	Florida Gas	8,9			
	T	S	Florida Gas	8,9,11			
	P	R	Midcon	6#			
	T	S	Midcon		14	18	
	T	R	NIGAS	6/V	12/V		
	P	R	NIGAS	6/V#			
	T	S	NIGAS	7/V			
	T	R	NNG	8,9			
	T	S	NNG	8,9,11			
	T	R	TransCapacity	6	12		

*All survey respondents were using X12 Version Number 3040

**Unless otherwise indicated respondents were using the Internet

***Not Indicated

#Old Format
V=Van X12,B=Both

Survey Respondent Company	Production (P) or Test (T)	Receive (R) Send (S)	Trading Partners	Nominations Related Standards	Flowing Gas Related Standards	Invoicing Related Standards	Capacity Release Related Standards
	T	S	TransCapacity	7,10			
	T	R	Trunkline	8,9			
	T	S	Trunkline	8,9			
	T	R	Utilicorp	6,9			
	T	S	Utilicorp	7,8,10			
	T	***	***		15/B	19,20/B	
	P	S	FERC				6,7,8,10,18,20,21,22
	P	R	FERC				19
	P	R	TransCapacity				12,15,19
	P	S	TransCapacity				6,7,8,10,17,18,20,21,22
	T	***	***				9,11,13,14,16/B
NIPSCO	T	***	***	6,7,8,9,10,11		18,19,20	
Northern Border Pipeline	T	R	***	9			
	T	S	***	8			
	P	R	***				19/V
	P	S	***				6,7,8,10,18,20,21,22/V
	T	R	***				19
	T	S	***				6,7,8,10,18,20,21,22
	P	R	***	6/V			
	P	R	***	6/V			
	P	R	***	6/V			
	P	R	***	6/V			
	P	R	***	6/V			
	P	R	***	6/V			
	P	R	***	6/V			
	P	R	***	6/V			
	P	R	***	6/V			
	P	S	***	7,10,11/V	17,18/V		
	P	S	***	7,10/V			
	P	S	***	7,10/V			
	P	S	***	7,10/V			
	P	S	***	7,10/V			
	P	S	***	7,10/V			
	P	S	***	7,10/V			

*All survey respondents were using X12 Version Number 3040
**Unless otherwise indicated respondents were using the Internet
***Not Indicated

Survey Respondent Company	Production (P) or Test (T)	Receive (R) Send (S)	Trading Partners	Nominations Related Standards	Flowing Gas Related Standards	Invoicing Related Standards	Capacity Release Related Standards
	P	S	***	7/V			
	P	S	***	7/V			
	T	S	***		14/V		
	T	S	***		14/V		
	P	R	***	6			
	P	R	***	6			
	P	S	***	7,10	17		
	P	S	***	7			
	T	R	***	8			
	T	S	***	9			
	P	R	***				19/V
	P	S	***				6,7,8,10,18,20,21,22/V
	P	R	***				19
	P	S	***				6,7,8,10,18,20,21,22
Northwest Pipeline Co.	P	S/R	El Paso	8,9			
	P	S/R	Williams Field Services	8,9			
	T	S/R	Kern River	8,9			
	T	S/R	PGT	8,9			
	T	S/R	Westcoast	8,9/B			
	T	S/R	IGI Res.	8,9			
	T	S/R	Paiute Pipeline	8,9			
	P	S/R	TransCapacity				18,19,20,21
Nova Gas Transmission	P	S/R	NRG Highway	6,7			
	T	S/R	NRG Highway	8,9			
PGT	T	R	Northwest Pipeline	8			
	T	S	Northwest Pipeline	9			
	T	R	Pacific Gas & Electric	8			
	T	S	Pacific Gas & Electric	9			
	P	R	TransCapacity				19
	P	S	TransCapacity				6,8,18,20,21
Quester Pipeline Company	T	S/R	National Capacity Registry				6,7,8,10,18,19,20,21,22

*All survey respondents were using X12 Version Number 3040

**Unless otherwise indicated respondents were using the Internet

***Not Indicated

#Old Format
V=Van X12,B=Both

Survey Respondent Company	Production (P) or Test (T)	Receive (R) Send (S)	Trading Partners	Nominations Related Standards	Flowing Gas Related Standards	Invoicing Related Standards	Capacity Release Related Standards
Tennessee Gas Pipeline Co.	T	S/R	FERC				
	T	S/R	TransCapacity	6,7,10			
	T	S/R	FERC				6,7,8,10,18,19,20,21,22
	T	S/R	TransCapacity				6,7,8,10,18,19,20,21,22
Texaco Natural Gas Inc.	P	R	Northern Natural		17/V		
	P	R	Houston Pipeline		17/V		
	P	R	Florida Gas		17/V		
	P	R	Oasis Pipeline		17/V		
	P	R	Intratex		17/V		
	P	R	Transwestern		17/V		
	P	R	La. Resources Pipeline		17/V		
	P	R	La Gas Pipeline		17/V		
	P	R	Enron Gathering		17/V		
	T	S/R	Trunkline	6,7,10			
	T	R	Northern Natural		14,17/V		
	T		Transwestern		14/V		
	P	R			14,16,17,18/B		
Texas Gas	***	S	***	7,8,10	13,14,15,16	18,20	
	***	R	***	6,9	12	19	
	T	R	***				11,12,15,19
	T	S	***				6,7,8,10,13,14,16,17,18,20,21,22
	T	R	National Registry				19
	T	S	National Registry				6,7,8,10,18,20,21,22
TransCapacity (TLP)	P	S/R	Algonquin	6,7,10			
	P	S/R	ANR	6,7,10			
	T	S/R	CNGT	6,7,10			
	P	S/R	CIG	6,7,10			
	P	S/R	Columbia Gas	6,7,10			
	P	S/R	Columbia Gulf	6,7,10			
	P	S/R	El Paso	6,7,10			
	P	S/R	Florida Gas	6,7,10			
	P	S/R	KN Interstate	6,7,8,9,10			
	P	S/R	Koch Gateway	6,7,10			

*All survey respondents were using X12 Version Number 3040

**Unless otherwise indicated respondents were using the Internet

***Not Indicated

#Old Format
V=Van X12,B=Both

Survey Respondent Company	Production (P) or Test (T)	Receive (R) Send (S)	Trading Partners	Nominations Related Standards	Flowing Gas Related Standards	Invoicing Related Standards	Capacity Release Related Standards
	P	S/R	National Fuel	6,7,8,9,10			
	P	S/R	NGPL	6,7,10			
	T	S/R	Noram	6,7,10			
	T	S/R	NNG	6,7,10			
	T	S/R	Northwest	6,7,10			
	P	S/R	Pauite	6,7,8,9,10			
	P	S/R	Panhandle	6,7,10			
	T	S/R	Tennessee	6,7,10			
	P	S/R	Texas Eastern	6,7,10			
	T	S/R	Texas Gas	6,7,10			
	P	S/R	Transco	6,7,10			
	T	S/R	Transwestern	6,7,10			
	P	S/R	Trunkline	6,7,10			
	P	S/R	WNG	6,7,10			
	T	S/R	E. Tennessee	6,7,10			
	T	S/R	Midwestern	6,7,10			
	T	S/R	Mississippi River	6,7,10			
	T	S/R	Mojave	6,7,10			
	T	S/R	Sting Ray	6,7,10			
	T	S/R	Trailblazer	6,7,10			
	T	S/R	Wyoming Interstate	6,7,10			
	T	S/R	Canyon Creek	6,7,10			
	T	S/R	Viking	6,7,10			
	T	S/R	Great Lakes	6,7,10			
Transco	T	R	Texaco	6			
	T	S	Texaco	7,10			
	P	R	TransCapacity				19
	P	S	TransCapacity				6,8,18,20,21,22
	P	R	FERC				19/V
	P	S	FERC				6,7,8,10,18,20,21,22/V
	T	R	FERC				19
	T	S	FERC				6,7,8,10,18,20,21,22

*All survey respondents were using X12 Version Number 3040

**Unless otherwise indicated respondents were using the Internet

***Not Indicated

#Old Format
V=Van X12,B=Both

Survey Respondent Company	Production (P) or Test (T)	Receive (R) Send (S)	Trading Partners	Nominations Related Standards	Flowing Gas Related Standards	Invoicing Related Standards	Capacity Release Related Standards
TransColorado	T	S	Williams Field Services	8,11			
	P	R	El Paso	8			
	P	S	El Paso	8,11			
	P	R	TransCapacity				19
	P	S	TransCapacity				6,8,20,21,22
Transwestern Pipeline	P	S	***		17/V	18/V	
	T	R	***	6/V			
	T	S	***	7/V			
	P	R	***	9			
	P	S	***	11			
	P	R	***				19/V
	P	S	***				6,7,8,10,18,20,21,22/V
	T	R	***				19
T	S	***				6,7,8,10,18,20,21,22	
Trunkline Gas Company	P	R	Utilicorp	6			
	P	S	Utilicorp	7			
	T	R	Central Illinois Public Service	6			
	T	S	Central Illinois Public Service	7,10			
	T	R	Enron Capital & Trade	6			
	T	S	Enron Capital & Trade	7,10		18	
	T	R	Texaco	6			
	T	S	Texaco	7,10			
	P	R	TransCapacity				
	P	S	TransCapacity				6,7,8,10,18,20,21,22
	T	R	FERC				19
	T	S	FERC				8,20,22
Williams Natural Gas	P	S	TransCapacity				6,8,18,20,21
	P	R	TransCapacity				19
	P	S	Farmland				6,7,8,10,19,21/V
	P	R	Farmland				20/V
	P	S	Western Resources	8/V			
	P	R	Utilicorp	6			

*All survey respondents were using X12 Version Number 3040

**Unless otherwise indicated respondents were using the Internet

***Not Indicated

#Old Format
V=Van X12,B=Both

Survey Respondent Company	Production (P) or Test (T)	Receive (R) Send (S)	Trading Partners	Nominations Related Standards	Flowing Gas Related Standards	Invoicing Related Standards	Capacity Release Related Standards
	P	S	Utilicorp	7,10			
	T	R	TransCapacity	6			
	T	S	TransCapacity				
Williston Basin Pipeline Co.	P	S	TransCapacity				18,20,21,22
	P	R	TransCapacity				19

Connecticut Natural Gas Is not using Electronic Standards

The Southern Connecticut Gas Is not using Electronic Standards

Williams Energy Services Is not using Electronic Standards

*All survey respondents were using X12 Version Number 3040
 **Unless otherwise indicated respondents were using the Internet
 ***Not Indicated

RELATED STANDARDS**ELECTRONIC COMMERCE MATRIX**

Number	NOMINATIONS
6	850 - Nominations
7	855 - Nomination Quick Response
8	850 - Request for Confirmation
9	855 - Confirmation
10	865 - Scheduled Quantity
11	865 - Scheduled Quantity for Operator
	FLOWING GAS
12	860 - Predetermined Allocations
13	865 - PDA Quick Response
14	865 - Allocation
15	811 - Imbalance Reporting
16	867 - Measurement Information
17	867 - Measured Volume Audit Statement
	INVOICING
18	811 -Transportation/Sales Invoice
19	820 - Payment Remittance
20	822 - Statement of Account
	CAPACITY RELEASE
6	840 - Offer
7	843 - Bid Review
8	843 - Award
9	832 - Replacement Capacity
10	843 - Withdrawal Notice
11	840 - Electronic Withdrawal Upload
12	840 - Upload of Prearranged Deal
13	843 - UPPD Validation
14	840 - UPPD Notification
15	832 - UPPD Bidder Confirmation
16	824 - UPPD Bidder Confirmation Validation
17	567 - Final Disposition
18	840 - Operationally Available & Unsubscribed
19	846 - Upload of Request for Download
20	846 - Response to Upload of Request for Download
21	864 - System Wide Notice
22	864 - Notes/Special Instructions