

# **Gas Industry Standards Board**

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July 21, 1998

TO: GISB Members, Interested Industry Participants, Posting on the GISB Home Page

FROM: Rae McQuade, Executive Committee

RE: Proposed Standards for Industry Comment

The industry comment period for the two recommended standards (Request No. R97126 and Trading Partner Agreement Related Request Nos. R96004 and R97060) will begin today and conclude on August 13. All comments received by the GISB office by August 13 will be posted on the home page and forwarded to the Executive Committee members for their consideration. The Executive Committee members will consider all comments before voting on each of the recommended actions, planned for August 20.

The full requests can downloaded from the home page in the "Request for Standards" area, and for interpretations, from the "Clarifications Requests" area. The recommendations on the requests can be accessed from the same area.

The requests for standards and recommendations for comment and consideration on August 20 for which comments are due by August 13 are:

R97126 Add an error code and message to "Table A - Internet EDM Standard Error

Codes and Messages". An EDM error is needed for EDI translation errors.

R96004 Enhance Model Trading Partner Agreement and adopt as a standard

R97060 Adopt a short form Trading Partner Agreement as a GISB Operating Practice

Please call the GISB office if you need further information on this request for comments.

cc: Dennis Holbrook Laurie Paulson

# RECOMMENDATION TO GISB EXECUTIVE COMMITTEE Requester: Columbia Gas Transmission Request No.: R97126

Accept as requested _X_Accept as modified belowDecline	_X_Change to Existing PracticeStatus Quo
2. TYPE OF MAINTENANCE	
Per Request:	Per Recommendation:
Initiation	Initiation
_X_Modification	_X_Modification
Interpretation	Interpretation
Withdrawal	Withdrawal
Principle (x.1.z)	Principle (x.1.z)
Definition (x.2.z)	Definition (x.2.z)
Business Practice Standard (x.3.2	z)Business Practice Standard (x.3.z)
Document (x.4.z)	Document (x.4.z)
Data Element (x.4.z)	Data Element (x.4.z)
Code Value (x.4.z)	Code Value (x.4.z)
X12 Implementation Guide	X12 Implementation Guide
Business Process Documentation	Business Process Documentation
X Technical Implementation	X Technical Implementation

# 3. RECOMMENDATION

Standards book: Electronic Delivery Mechanism Related Standards

**TABLE A - Internet EDM Standard Error Codes and Messages** (for addition, modification, or deletion to the table of errors/warnings)

Validation Code	Description	Data Element	Required vs. Mutually Agreed
EEDM701	EDM party not associated with EDI party		Required
EEDM702	Data Structure Error		Required if the translator does not handle this exception
EEDM703	Data set exchange not established for Trading Partner		Required if the translator does not handle this exception

	RECOMMENDATION TO GISB EXECUTIVE COMMITTEE							
Requ	uester:	Columbia Gas Transmission	Request No.: R97126					

# 4. SUPPORTING DOCUMENTATION

# a. Description of Request:

Add an error code and message to "Table A - Internet EDM Standard Error Codes and Messages". An EDM error is needed for EDI translation errors.

# b. Description of Recommendation:

We received further explanation from Columbia Gas Transmission. What was intended by the request was to provide the standard error messages for those exceptions that may occur after decryption errors and before a 997 Functional Acknowledgement may be generated and returned to the sender. There are certain error conditions that will cause failure of the processing precluding generation of a 997 to the sender. This request was a provision for standard responses to the sender in the event of such errors.

Objective of R97126: Develop standard EDM error messages for problems occurring beyond decryption but before the generation of a 997. Significant discussion identified a number of categories of messages and resulted in the following:

Format convention for errors/warnings in EDM is: EEDMxxx:Standard Text;Variable Text

Items approved for addition to TABLE A in the Electronic Delivery Mechanism Related Standards are as follows:

EEDM code	s for association between : EEDM701 : EDM party not associa : optional and open			and receiver	
Sense of the Roo Segment Check	om: April 24, 1998 (if applicable):	13In	Favor	0_Opposed	0 Abstained
In Favor Opposed	End-Users	LDCs LDCs		Producers Producers	Services Services
EEDM code	Compliance (i.e.missing n : EEDM702 : Data Structure Error : optional and open	najor X12 seg	gments)		
Sense of the Roo Segment Check	om: April 24, 1998	12In	Favor	1_ Opposed	0 Abstained
In Favor	End-Users	LDCs LDCs	Pipelines Pipelines	Producers Producers	Services Services

# RECOMMENDATION TO GISB EXECUTIVE COMMITTEE Requester: Columbia Gas Transmission Request No.: R97126

Function: Trading Partner errors for X12 (i.e. X12 document not set up for the trading partner) **EEDM** code : EEDM703 Standard text : Data set exchange not established for Trading Partner Variable text : optional and open Sense of the Room: April 24, 1998 12 In Favor 0 Opposed 1 Abstained **Segment Check** (if applicable): In Favor: **End-Users** LDCs **Pipelines** Producers Services Opposed: **End-Users** LDCs **Pipelines** Producers Services

# c. Business Purpose:

Taken from the original request:

Whenever an EDI translation error occurs, an HTTP response would be sent with the appropriate error code.

There are a variety of translation errors. Most translation errors will be identified in a 997 that is returned to the sender. However, some translation errors do not generate a 997 which leaves the sender wondering if the data set was processed. Adding an EDM error code for translation errors will allow a response with a meaningful error to be returned to the sender. This response will positively identify the problem so that the appropriate action may be taken to fix the problem.

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

We approached the request with the understanding that each implementation may differ in whether these error conditions may already be handled by the EDI translator or if covered by the EDM processes (HTTP Response or EDM error notification) leading up to generation of a 997 EDI Functional Acknowledgement from the EDI translator. EEDM703 is an example of an error condition that will be handled by many translator products, however, in some implementations, this would instead have to be handled in the EDM processes because the EDI package does not provide this error handling. EEDM701 is an example of an error condition that can only be handled by the EDM processes because it involves the checking of a valid association between the EDM from/to values and the X12 ISA Sender/Receiver ID values.

# **ELECTRONIC DATA INTERCHANGE**

2	TRADING PARTNER AGREEMENT						
	THIS ELECTRONIC DATA INTERCHANGE TRADING PARTNER AGREEMENT (the						
4	"Agreement") is made as of,, by and between						
	, a, a[specify corporation or other entity type]						
6	with offices at, a						
	, [specify corporation or other entity type] with offices at						
8	(collectively, the "parties").						
	RECITALS						
10	WHEREAS, the parties desire to facilitate transactions, reports and other information						
	exchanged by electronically transmitting and receiving data in agreed formats; and						
12	WHEREAS, the parties desire to assure that such transactions are not legally invalid or						
	unenforceable as a result of the use of available electronic technologies for the mutual						
14	benefit of the parties; and						
	WHEREAS, the parties desire to enter into this Agreement to govern their relationship with						
16	respect to computer to computer exchange of information, also known as Electronic Data						
	Interchange ("EDI") transactions.						
18	NOW THEREFORE, in consideration of the premises and covenants herein contained, and						
	for other good and valuable consideration, the receipt and sufficiency of which are hereby						
20	acknowledged, the parties, intending to be legally bound, hereby agree as follows:						
	Section 1. <u>Prerequisites</u>						
22	1.1 <u>Data Communications</u> . Each party may electronically transmit to or receive from the						
	other party any of the transaction sets listed in the Exhibit(s), as such Exhibit(s) may be						
24	revised by written agreement (collectively "Documents"). Any transmission of data						
	which is not a Document, a Functional Acknowledgement, an electronic delivery						
26	mechanism error notification, or a time-stamp receipt response or record (collectively						
	"Data Communications") shall have no force or effect between the parties. All Data						
28	Communications shall be transmitted in accordance with the standards and the						
	published industry guidelines set forth in the Exhibit(s). The Exhibit(s) to this Agreemen						

30 is(are) attached hereto. Any modification of the provisions contained in the body of this Agreement will be effective as set forth in the Exhibit(s).

# 32 1.2. Third Party Service Providers

- 1.2.1 Data Communications will be transmitted electronically to each party as specified in the Exhibit(s), either directly or through any third party service provider ("Provider") with whom either party may contract. Either party may modify its election to use, not use or change a Provider upon 30 days prior written notice.
  - 1.2.2 Each party shall be responsible for the costs of any Provider with whom it contracts, unless otherwise set forth in the Exhibit(s).
  - 1.2.3 Notwithstanding the acts or omissions of its Provider, for purposes of this Agreement, each party is responsible for transmitting, receiving, storing or handling Data Communications to the extent required to effectuate transactions pursuant to Section 2.
- 1.3 <u>System Operations.</u> Each party, at its own expense, shall provide and maintain the equipment, software, services and testing necessary to transmit to, and receive from, the parties' respective Receipt Computers the Data Communications.

### 46 1.4 <u>Security Procedures</u>

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- 1.4.1 Each party shall use those security procedures specified in the Gas Industry Standards Board ("GISB") standards and the Exhibit(s). The manner in which public encryption keys are to be changed and/or exchanged will be specified in the Exhibit(s).
- 1.4.2 <u>Security Key Exchanges.</u> The parties shall maintain a public key used to facilitiate secure electronic communication. The parties shall change their public key on a routine schedule set forth in the Exhibit(s). However, in emergency situations in which it is necessary to change a key immediately, each party shall provide the other party with immediate notice of the change. Each party shall provide to the other its public key by either: (a) a certified or receipt mail service using a diskette with the public key contained in an ASCII text file; or, (b) an electronic simple mail transfer protocol ("SMTP") mail message with the public key contained in the body. The public key shall be verified by the party to whom it is sent by validating the fingerprint of the public key by phone or by other comparable means.

50 1.5 Signatures. Each party shall adopt as its signature private keys whic7h shall be applied to each document transmitted by such party ("Digital Signature "). Such Digital
 62 Signature, when decrypted by the receiving party, will be used to authenticate the identity of the sender.

# 64 Section 2. Transmissions

# 2.1 Proper Receipt

- 2.1.1 Documents shall not be deemed to have been properly received, and no Document shall give rise to any obligation, until accessible to the receiving party at such party's Receipt Computer designated in the Exhibit(s), as evidenced by the receipt by sending party of the HTTP response initiated by receiving party. The HTTP response shall specify the date and time of receipt of a Document at the receiving Internet server (also called "time-c"). No Document shall have any effect if the HTTP response is not received by sending party, or if the HTTP response indicates an error.
- 2.1.2 The "Receipt Computer" shall be defined in the Exhibit(s) as the receiving
   party's Uniform Resource Locator ("URL"), which describes the protocols which are needed to access the resources and point to the appropriate Internet locations. Where
   the parties employ the services of Providers to transmit and receive Documents, the Receipt Computer shall be defined in the Exhibit(s) as the receiving party's URL provided by the receiving party's Provider.
- Digital Signature Verification and Decryption. Upon proper receipt of any Document, the receiving party shall attempt to decrypt the Document and verify the digital signature of the sending party. If the Document is verified and the decryption is successful, the receiving party shall transmit a Functional Acknowledgment in return. If the Document is verified and the decryption is unsuccessful, the receiving party shall send the applicable error message to the sending party. The sending party shall attempt to correct the error and promptly retransmit the Document or otherwise contact the receiving party.

# 86 2.3 <u>Functional Acknowledgement and Response Document</u>

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- 2.3.1 For the purposes of this Agreement, a "Functional Acknowledgment" means an ASC X12 Transaction Set 997 which confirms a Document has been received and whether all required portions of the Document are syntactically correct or not, but which does not confirm the substantive content(s) of the related Document.
  - 2.3.2 If the Functional Acknowledgment indicates an error, neither party shall rely on the Document. The sending party shall attempt to correct the error and promptly

94	retransmit the Document or otherwise contact the receiving party. If the Functional Acknowledgment does not indicate any error, the Functional Acknowledgment shall constitute conclusive evidence a Document has been received in syntactically correct
96	form.
98	2.3.3 If there has been proper receipt pursuant to Section 2.1, verification and successful decryption pursuant to Section 2.2, and if the receiving party nevertheless fails to transmit a Functional Acknowledgement, the sending party's records of the
100	contents of the Document shall control, unless the sending party has retransmitted a Document pursuant to Section 2.3.7.
102	2.3.4 By mutual agreement, the parties may designate in the Exhibit(s) a "Response Document" Transaction Set as a substitute for or in addition to an ASC X12 Transaction
104	Set 997. A Response Document confirms that a Document has been received, and whether all required portions of the Document are syntactically correct, and contains data
106	sent by the receiving party to the sending party in response to the substantive content of the related Document.
108	2.3.5 If the Response Document indicates an error, neither party shall rely on the Document or portion of the Document which is in error, if known. The sending party shall
110	attempt to correct the errors and promptly retransmit the Document or applicable portion or otherwise contact the receiving party. If the Response Document does not indicate
112	any error, the Response Document shall constitute conclusive evidence a Document has been received in syntactically correct form.
114	2.3.6 If the parties have mutually agreed to use of a Response Document, and if there has been proper receipt pursuant to Section 2.1, verification and successful decryption
116	pursuant to Section 2.2, and if the receiving party nevertheless fails to transmit a Response Document, the sending party's records of the contents of the Document shall
118	control unless the sending party has retransmitted a Document pursuant to Section 2.3.7.
120	2.3.7 <u>Retransmissions.</u> If the sending party of a Document has not received a corresponding functional acknowledgment or response document within the time frame indicated in the Exhibit(s), the sending party shall retransmit the Document and such
122	Document shall be considered a new transmission for purposes of Section 2.

# Section 3. Terms

- Transaction Terms and Conditions. This Agreement is intended to facilitate Data Communications between the parties concerning the transactions related to effectuating transportation or sales conducted pursuant to underlying written agreements. In the event of conflict between this Agreement and the subject underlying written agreement(s), the terms and conditions of the underlying agreement(s) shall control.
- 3.2 Terms and Conditions of Reports and Other Information. In the absence of any other written agreement applicable to reports and other information transmitted pursuant to this Agreement, such reports and other information shall be subject to [CHOOSE ONE]:
- [A] those terms and conditions, including any terms for payment, included in the Exhibit(s).
- [B] such additional terms and conditions as may be determined in accordance with applicable law.
- Change in Terms and Conditions. Notwithstanding Section 4.1 of this Agreement, if any party determines that Data Communications under this Agreement are altered by a subsequent change to a party's tariff or obligation imposed by a governmental entity exercising jurisdiction over that party, then the affected party shall give reasonable notice defining which Data Communications under this Agreement are affected, and the reasons therefor, and may provide notice of termination of this Agreement as provided in Section 4.8, effective immediately upon receipt of such notice by the other party to this Agreement.
- 3.4. <u>Confidentiality.</u> No information contained in any Document or otherwise exchanged between the parties shall be considered confidential, except to the extent provided in
   Section 1.5 or in the Exhibit(s), by written agreement between the parties, or by applicable law.
- 148 3.5. <u>Validity: Enforceability</u>
- 3.5.1 This Agreement has been executed by the parties to evidence their mutual intent to be bound by the terms and conditions set forth herein relating to the electronic transmission and receipt of Data Communications.

3.5.2 Any Document properly transmitted pursuant to this Agreement shall be considered, in connection with any transaction, any other written agreement described in
 Section 3.1, or this Agreement, to be a "writing" or "in writing"; and any such Document when containing, or to which there is applied, a Digital Signature ("Signed Documents")
 shall be deemed for all purposes (a) to have been "signed" and (b) to constitute an "original" when printed from electronic files or records established and maintained in the normal course of business.

3.5.3 The parties agree not to contest the validity or enforceability of Signed Documents under the provisions of any applicable law relating to whether certain agreements are to be in writing or signed by the party to be bound thereby. Signed Documents, if introduced as evidence on paper in any judicial, arbitration, mediation or administrative proceedings, will be admissible as between the parties to the same extent and under the same conditions as other business records originated and maintained in documentary form. Neither party shall contest the admissibility of copies of Signed Documents under either the business records exception to the hearsay rule or the best evidence rule on the basis that the Signed Documents were not originated or maintained in documentary form.

# Section 4. Miscellaneous

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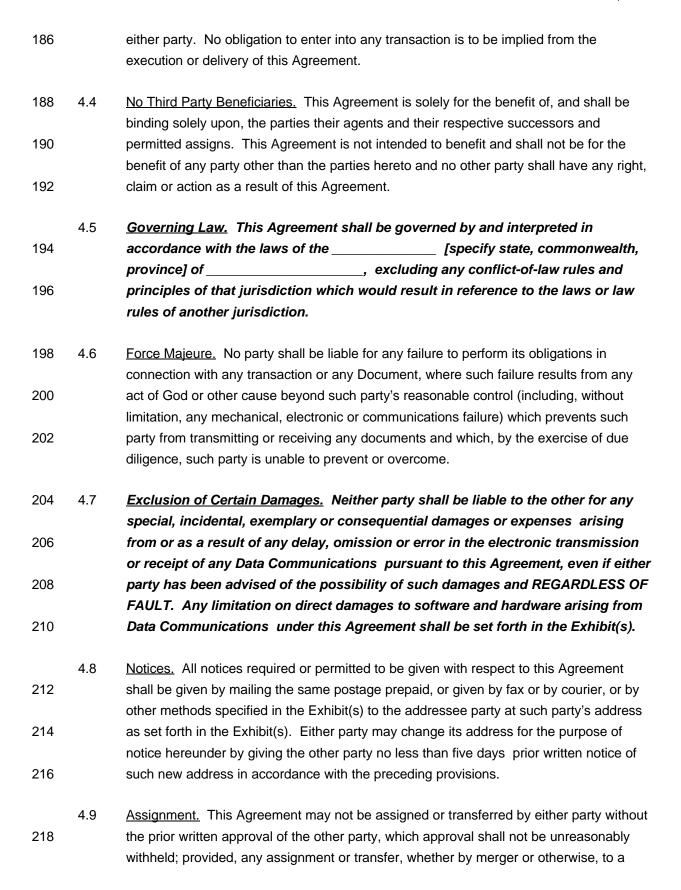
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- Term. This Agreement shall be effective as of the date first set forth above and shall remain in effect until terminated by either party with not less than 30 days prior written notice specifying the effective date of termination; provided, however, that written notice for purposes of this paragraph shall not include notice provided pursuant to an EDI transaction; further provided, however, that any termination shall not affect the respective obligations or rights of the parties arising under any Documents or otherwise under this Agreement prior to the effective date of termination.
- 4.2 <u>Severability.</u> Any provision of this Agreement which is determined by any court or regulatory body having jurisdiction over this Agreement to be invalid or unenforceable will be ineffective to the extent of such determination without invalidating the remaining provisions of this Agreement or affecting the validity or enforceability of such remaining provisions.
- 4.3 Entire Agreement. This Agreement and the Exhibit(s) constitute the complete agreement of the parties relating to the matters specified in this Agreement and supersede all prior representations or agreements, whether oral or written, with respect to such matters. No oral modification or waiver of any of the provisions of this agreement shall be binding on



220		party's affiliate or successor in interest shall be permitted without prior consent if such party assumes this Agreement.				
222	4.10		ty to require performance of any provisions of this eemed a waiver of such provision or the right			
224		thereafter to enforce it.				
226	4.11	Counterparts. This Agreement may be all of which shall constitute one and the	e executed in any number of original counterparts e same instrument.			
228	4.12	Reference Glossary. This section list references that term to its definition in	s each defined term in this Agreement and cross the Agreement.			
		DEFINED TERM	WHERE DEFINED			
230		Agreement	Header			
		Data Communications	Section 1.1			
232		Digital Signature	Section 1.5			
		Documents	Section 1.1			
234		Electronic Data Interchange, EDI	Recital			
		Functional Acknowledgment	Section 2.3.1			
236		parties	Header			
		Provider	Section 1.2.1			
238		Receipt Computer	Section 2.1.2			
		Response Document	Section 2.3.4			
240		Signed Documents	Section 3.5.2			
		time-c	Section 2.1.1			
242		Uniform Resource Locator, URL	Section 2.1.2			

244	Each party has caused this Agreement to be properly executed on its behalf as of the date first above written.					
246						
	Company Name:	Company Name:				
248	By:	Ву:				
	Name:	Name:				
250	Title:	Title				

252		EXHIBIT	
		ELECTRONIC DATA INTERCHANGE TRADING PARTNER AGR	REEMENT
254		DATED	
		TO BE EFFECTIVE (date)	
256			
	1.	Contact Information:	
258		Company Name:	
		Street Address:	
260		City:	
		State/Province/Commonwealth:	
262		Zip/Postal Code:	
		Attention [Name, Title]:	
264		Phone:Fax:Email Address: _	
		Legal Entity Common Code (D-U-N-S® Number):	
266		Provider Name (If any):	
268		Company Name:	
		Street Address:	
270		City:	
		State/Province/Commonwealth:	
272		Zip/Postal Code:	
		Attention [Name, Title]:	
274		Phone:Fax:Email Address: _	
		Legal Entity Common Code (D-U-N-S® Number):	
276		Provider Name (If any):	
278	2.	Special Allocation Costs if Any:	
280			
282	® A	A registered trademark of Dun & Bradstreet Corporation	

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284		EXHIBIT
		ELECTRONIC DATA INTERCHANGE TRADING PARTNER AGREEMENT
286		DATED
		TO BE EFFECTIVE (date)
288		
	3.	Communication Specifics:
290		Company Name:
		EDI Contact Phone Number:
292		Provider Name:
294		Receipt Company URL (include host name or IP address, any non standard port, directory and program name as necessary):
		Basic Authentication Userid:
296		Basic Authentication Password:
		HTTP to/from Tag:
298		Is the "transaction set" supported in the HTTP envelope (Yes/No)?
300		Company Name:
		EDI Contact Phone Number:
302		Provider Name:
304		Receipt Company URL (include host name or IP address, any non standard port, directory and program name as necessary):
		Basic Authentication Userid:
306		Basic Authentication Password:
		HTTP to/from Tag:
308		Is the "transaction set" supported in the HTTP envelope (Yes/No)?
310	[Partie	s should execute a separate Exhibit for each different URL.]

		EXHIBIT					
312		ELECTRONIC DATA INTERCHANGE TRADING PARTNER AGREEMENT					
		DATED					
314		TO BE EFFECTIVE (date)					
316	4.	Transaction Sets:					
318		Complete table for all applicable transaction sets (Refer to the GISB Home Page (www.gisb.org) for the current list of transaction set numbers and document names).					

			SENDING PARTY'S RECEIVING PARTY'S						
TRANSACTION SET NUMBER	NATURAL GAS DOCUMENT NAME	ISA Qualifier	ISA ID	GS ID	ISA Qualifier	ISA ID	GS ID	Functional Acknowledgement (FA) Or Response document (RD) Supported?	FA/RD time frame (minutes)

				EXHIBIT			
320		ELECTRONIC DATA INTERCHANGE TRADING PARTNER AGREEMENT					
				DATED			
322				TO BE EFFECTIVE (date)			
324	5.		and Industry Guidelines: (Specify all applicable standards and the issuing and applicable published industry guidelines.)				
326							
328				ndards include, as applicable, all data dictionaries, segment dictionaries and controls referenced in those standards for the transaction(s) contained in			
330		this Exhibit(s). The mutually agreed provisions of this Exhibit(s) shall control in the event of any conflict with any listed industry guidelines.					
332	6.	<b>Security Procedures:</b> (Define security procedures, including but not limited to encryption, authentication, and PGP version.)					
334							
336		6.1	Publ	ic Encryption Key Exchange Procedures:			
338			a)	Contact for public encryption key exchange (emergency and scheduled)			
340			b)	Method of contact and related information (phone number and/or e-mail address)			
342			c)	Chosen electronic method of key exchange			
344			d)	Scheduled public encryption key exchange procedures including frequency			
346			,				
348			e)	Emergency public encryption key exchange procedures			
350			f)	Verification procedures to confirm appropriate exchange of public encryption keys			
352			g)	Other			
354							

EXHIBIT
ELECTRONIC DATA INTERCHANGE TRADING PARTNER AGREEMENT
DATED
TO BE EFFECTIVE (date)
<b>Terms and Conditions</b> : (If no special terms and conditions have been agreed upon, enter "None").
<b>Data Retention</b> : (If no special data retention procedures have been agreed upon, enter "None").
Limitation on Direct Damages: (If no limitation has been agreed upon, enter "None".)
<b>Confidential Information</b> : (See Section 3.4 If no limitation has been agreed upon, enter "None".)

376	EXHIBIT					
	ELECTRONIC DATA INTERCH	IANGE TRADING PARTNER AGREEMENT				
378	DATED _					
	TO BE EFFECTIVE	(date)				
380						
382	The undersigned do hereby execute this Exhibit pursuant to the Agreement and hereby ratify said Agreement for all purposes set forth in this Exhibit.					
	Company Name:	Company Name:				
384	Ву:	Ву:				
	Printed Name:	Printed Name:				
386	Title:	Title:				