Gas Industry Standards Board
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Home Page: www.gisb.org

via email & posting

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

FROM: Rae McQuade, Executive Director

RE: Request For Comments

DATE: May 3, 2000

The GISB industry comment period begins today and ends on May 31 for the recommendations listed below. Subcommittees and task forces submitted the recommendations for your review on April 26, April 27, May 1 and May 2.

R97064D: Modify the standards manuals to use the new X12 data sets and implement the technical changes for request nos. R99038, R98055, R99040, R98088, R98057, R97044A, R99041 which have been approved by the GISB Executive Committee and request nos. R99039, R98057, R99044 which have been ratified by the GISB membership.

R98031 & R98035B: (EII Task Force, 11/2-4/98 –IR6, R98031 and EII Task Force 11/20/98 – IR14, R98035B) Decline the requests to:

- Develop an EDI dataset to allow Confirming Parties to elect to "Confirm by Exception" as provided for in 1.2.11 and 1.3.22, and to
- Add new transaction identifiers in the Request for Confirmation (G850RQCF) and the Confirmation Response (G855RRFC) datasets. This transaction identifier would be used to indicate when the above datasets are being used for pre-limit quantities.

R98085: (EII Task Force (12/2/98) –IR30) Delete GISB Standard No. 4.3.77: Where a Transportation Service Provider populates the Upstream/Downstream Identifier via its EBB/EDM implementation based upon provision of an upstream or downstream contract identifier at pooling and logical points, an EDI nomination should be provided the same capability.

R99035: Modify the EDM Implementation Guide to support standards convergence with IETF's "HTTP Transport for Secure EDI" (EDI INT standard AS2)

R99050: Modify the definition of the data element Tax Identification Code in the Transportation / Sales Invoice (3.4.1) and Service Requester Level Charge / Allowance Invoice (3.4.4) to "Code assigned by a government to the Payee."

FTTF Minimum Guidelines: The guidelines are reviewed and updated by the Future Technology Task Force, at a minimum, by the spring of each year and presented to the GISB Executive Committee for adoption by the June meeting of that group.

The recommendations can be accessed from the GISB Web site, but are also attached to this request for comment[1]. All comments received by the GISB office by end of business May 31 will be posted on the Home Page and forwarded to the Executive Committee (EC) members for their consideration. The EC members will consider all comments and are scheduled to cast their votes on these recommendations on June 15 at the EC meeting at the offices of Boeing in Seattle, Washington. If you have difficulty retrieving this document, please call the GISB office at (713) 356-0060.

Best Regards,

Rae McQuade

cc: Jay Costan

[1] All recommendations other than clarifications can be found on the "Request For Standards" page (http://www.gisb.org/req.htm) which is accessible from the GISB main page. Clarifications (Cxxxxx) can be found on the "Clarification Requests" page (http://www.gisb.org/clar.htm).

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texaco **Request No.: R97064 - D**

1. Recommended Action:

___Accept as requested
_X_Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:

___Initiation
_X_Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
___Data Element (x.4.z)
___Code Value (x.4.z)
_X_X12 Implementation Guide
___Business Process Documentation

Per Recommendation:

___Initiation
_X_Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
___Data Element (x.4.z)
___Code Value (x.4.z)
_X_X12 Implementation Guide
_X_Business Process Documentation

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texaco Request No.: R97064 - D

3. RECOMMENDATION

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

Standards Book: Nominations Related Standards
Flowing Gas Related Standards
Invoicing Related Standards
Electronic Delivery Mechanism Related Standards
Capacity Release Related Standards

Related Standards tab
In the "Hypertext Transfer Protocol (HTTP)" section, for the "HTTP transaction-set Code Values" table, make the following modifications: For the row where the GISB Standard Number column = 1.4.1, change the "HTTP transaction-set Code Values" column from "G850NMST" to "G873NMST"; For the row where the GISB Standard Number column = 1.4.3, change the "HTTP transaction-set Code Values" column from "G850RQCF" to "G873RQCF"; For the row where the GISB Standard Number column = 1.4.4, change the "HTTP transaction-set Code Values" column from "G855RRFC" to "G873RRFC"; For the row where the GISB Standard Number column = 1.4.5, change the "HTTP transaction-set Code Values" column from "G865SQTS" to "G873SQTS"; For the row where the GISB Standard Number column = 1.4.6, change the "HTTP transaction-set Code Values" column from "G865SQOP" to "G873SQOP"

Standards Book: Electronic Delivery Mechanism Related Standards

Data Dictionary for Internet EDM
For the "transaction-set" data element, in the "Format" column, change "G850NMST" to "G873NMST"; delete "G855NMQR", and change "G850RQCF" to "G873RQCF"

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texaco Request No.: R97064 - D

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Document Name and No.: Nomination (1.4.1)
Request for Confirmation (1.4.3)
Confirmation Response (1.4.4)
Scheduled Quantity (1.4.5)
Scheduled Quantity for Operator (1.4.6)

Description of Change:
G850NMST – Nomination (1.4.1) - change 8 character code to G873NMST in all footers
Data Element Xref to X12
map NMST to 873 transaction: See redlined Data Element Xref to X12 *
Sample X12
map NMST to 873 transaction: See redlined Sample X12 Transaction *
X12 Mapping
map NMST to 873 transaction: See new X12 Mapping *
Transaction Set Tables
map NMST to 873 transaction: See redlined Transaction Set Tables *
G850RQCF Request for Confirmation (1.4.3) - change 8 character code to G873RQCF in all footers
Data Element Xref to X12
map RQCF to 873 transaction: See redlined Data Element Xref to X12 *
Sample X12
map RQCF to 873 transaction: See redlined Sample X12 Transaction *
X12 Mapping
map RQCF to 873 transaction: See new X12 Mapping *
Transaction Set Tables
map RQCF to 873 transaction: See redlined Transaction Set Tables *
G855RRFC Confirmation Response (1.4.4) - change 8 character code to G873RRFC in all footers
Data Element Xref to X12
map RRFC to 873 transaction: See redlined Data Element Xref to X12 *
Sample X12
map RRFC to 873 transaction: See redlined Sample X12 Transaction *
X12 Mapping
[This change was included in the new X12 Mapping provided with R97064D] BAK Segment (position 020): BAK02: Delete all code values per EC instruction from 04/13/00 EC meeting
map RRFC to 873 transaction: See new X12 Mapping *
Transaction Set Tables
map RRFC to 873 transaction: See redlined Transaction Set Tables *
G865SQTS Scheduled Quantity (1.4.5) - change 8 character code to G873SQTS in all footers
Data Element Xref to X12
map SQTS to 873 transaction: See redlined Data Element Xref to X12 *
Sample X12

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

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map SQTS to 873 transaction: See redlined Sample X12 Transaction *
X12 Mapping
map SQTS to 873 transaction: See new X12 Mapping *
Transaction Set Tables
map SQTS to 873 transaction: See redlined Transaction Set Tables *
G865SQOP Scheduled Quantity for Operator (1.4.6) - change 8 character code to G873SQOP in all footers
Data Element Xref to X12
map SQOP to 873 transaction: See redlined Data Element Xref to X12 *
Sample X12
map SQOP to 873 transaction: See redlined Sample X12 Transaction *
X12 Mapping
map SQOP to 873 transaction: See new X12 Mapping *
Transaction Set Tables
map SQOP to 873 transaction: See redlined Transaction Set Tables *

*Includes modifications from R99038, R98055, R99040, R98088, R98057, R97044A, R99041 which have been approved by the GISB Executive Committee and R99039, R98057, R99044 which have been ratified by the GISB membership.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texaco Request No.: R97064 - D

4. SUPPORTING DOCUMENTATION

a. Description of Request:

See original request to update GISB Implementation Guides to be ANSI compliant.

b. Description of Recommendation:

Technical Subcommittee

New 873 transaction set designed at the following meetings: 05/27/1998, 06/30/1998, 01/11/1999, 02/01/1999, and 05/14/1999

Nomination, Request for Confirmation, Confirmation Response, Scheduled Quantity, and Scheduled Quantity for Operator mapped to new 873 transaction set at the following meetings: 03/10/2000, 03/24/2000, 04/06-07/2000, 04/19/2000

Sense of the Room: April 19, 2000 __3__ In Favor __0__ Opposed
Segment Check (if applicable):
In Favor : __End-Users __LDCs __Pipelines __Producers __Services
Opposed : __End-Users __LDCs __Pipelines __Producers __Services

c. Business Purpose:

To create ANSI Compliant Nomination, Request for Confirmation, Confirmation Response, Scheduled Quantity and Scheduled Quantity for Operator EDI Transaction Sets.

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

DATA ELEMENT CROSS REFERENCE TO ASC X12

P - Pathed Model, N - Non-Pathed Model, T - Pathed Non-Threaded Model (Threaded Segment), U - Pathed Non-Threaded Model (Un-threaded Segment)

Usage Codes: M - Mandatory, C - Conditional, SO - Sender's Option, BC - Business Conditional, MA - Mutually Agreeable, nu - not used

Heading:

Segment	Usage P N T U	Segment Name/GISB Data Element Name
ST	M M M M	Transaction Set Header
~~BEG~~BGN	M M M M	Beginning Segment
DTM	M M M M	Time Stamp
N1	M M M M	Transportation Service Provider
N1	M M M M	Service Requester

Detail:

Segment	Usage P N T U	Segment Name/GISB Data Element Name
~~PO1~~	~~M M M M~~	~~Service Requester Contract~~
	~~M M M M~~	~~Model Type~~
DTM	M M M M	Beginning Date
	BC BC BC BC	Beginning Time
~~DTM~~	M M M M	Ending Date
	M M M M	Ending Time
~~PO1~~CS	M M M M	Service Requester Contract
	M M M M	Model Type
Sub-detail:		
SLN	M M M M	Nominator's Tracking ID
	~~M M M M~~	~~Quantity~~
	BC BC BC BC	Bid Transportation Rate

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Segment	Usage P N T U	Segment Name/GISB Data Element Name
~~SI~~	~~M M M M~~	~~Quantity Type Indicator~~
	~~M M M M~~	~~Transaction Type~~
	~~SO SO SO nu~~	~~Receipt Rank (Priority)~~
	~~SO SO SO nu~~	~~Delivery Rank (Priority)~~
	~~MA MA nu SO~~	~~Upstream Rank (Priority)~~
	~~MA MA nu SO~~	~~Downstream Rank (Priority)~~
	~~BC BC nu BC~~	~~Upstream Contract Identifier~~
	~~BC BC nu BC~~	~~Downstream Contract Identifier~~
	~~BC BC nu BC~~	~~Maximum Rate Indicator~~
	~~MA MA MA MA~~	~~Associated Contract~~
	~~MA MA MA MA~~	~~Service Provider's Activity Code~~
	~~MA MA MA MA~~	~~Capacity Type Indicator~~
	~~MA MA MA MA~~	~~Deal Type~~
	~~MA MA nu nu~~	~~Upstream Package ID~~
	~~MA MA nu nu~~	~~Downstream Package ID~~
	~~SO SO SO SO~~	~~Package ID~~
	~~MA MA MA MA~~	~~Bid Up Indicator~~
	~~MA MA MA MA~~	~~Export Declaration~~
	~~MA MA MA MA~~	~~Nomination Subsequent Cycle Indicator~~
	~~MA MA MA MA~~	~~Processing Rights Indicator~~
	~~MA MA MA MA~~	~~Nomination User Data 1~~
	~~MA MA MA MA~~	~~Nomination User Data 2~~
LQ	M M M M	Quantity Type Indicator
LQ	M M M M	Transaction Type
LQ	BC BC BC nu	Maximum Rate Indicator
LQ	MA MA MA MA	Capacity Type Indicator
LQ	MA MA MA MA	Bid Up Indicator
LQ	MA MA MA MA	Export Declaration
LQ	MA MA MA MA	Nomination Subsequent Cycle Indicator
LQ	MA MA MA MA	Processing Rights Indicator
N9	SO SO SO SO	Package ID
N9	MA MA MA MA	Associated Contract
N9	MA MA MA MA	Service Provider's Activity Code
N9	MA MA MA MA	Deal Type
N9	MA MA MA MA	Nomination User Data 1
N9	MA MA MA MA	Nomination User Data 2
~~PO3~~	~~MA nu MA nu~~	~~Delivered Quantity~~
	~~MA MA MA MA~~	~~Minimum Delivery Quantity~~
	~~MA MA MA MA~~	~~Minimum Receipt Quantity~~
~~N1~~	~~M C M C~~	~~Delivery Location/Delivery Location Proprietary Code~~
~~N1~~	~~M C M C~~	~~Receipt Location/Receipt Location Proprietary Code~~
~~N1~~	~~M C nu C~~	~~Downstream Identifier Code~~
~~N1~~	~~M C nu C~~	~~Upstream Identifier Code~~
N1	M C nu C	Upstream Identifier Code
LCD	M C M C	Receipt Location/Receipt Location Proprietary Code
N9	BC BC nu BC	Upstream Contract Identifier
N9	MA MA nu nu	Upstream Package ID
LQ	SO SO SO nu	Receipt Rank (Priority)
LQ	MA MA nu SO	Upstream Rank (Priority)
QTY	C C C C	Quantity
QTY	MA MA MA MA	Minimum Receipt Quantity

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Segment	Usage P N T U	Segment Name/GISB Data Element Name
N1	M C nu C	Downstream Identifier Code
LCD	M C M C	Delivery Location/Delivery Location Proprietary Code
N9	BC BC nu BC	Downstream Contract Identifier
N9	MA MA nu nu	Downstream Package ID
LQ	SO SO SO nu	Delivery Rank (Priority)
LQ	MA MA nu SO	Downstream Rank (Priority)
QTY	C C C C	Quantity
QTY	MA nu MA nu	Delivered Quantity
QTY	MA MA MA MA	Minimum Delivery Quantity

Summary:

Segment	Usage P N T U	Segment Name/GISB Data Element Name
~~CTT~~	~~M M M M~~	~~Transaction Totals~~
SE	M M M M	Transaction Set Trailer

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SAMPLE ASC X12 TRANSACTION

EDI example information

In the **EDI** implementation, a group of nomination line items may be bundled into a single transaction set. This bundle is assigned a nomination number by the nomination originator. The nomination number is transmitted in the header portion of the EDI transaction set. The processor of the nomination (transportation service provider) uses this number in the corresponding Quick Response transaction to identify which bundle of nomination line items are being responded to.

Pathed Model

ST*~~850~~873*123456789
~~BEG*00*G1*1**960123~~
BGN*00*1*19960123****G1
DTM*102~~*~~*****DT*199601230945
N1*SJ**1*357961038
N1*78**1*478935021
~~PO1*00001*****CR*K1234*MN*P~~
DTM*007~~*~~*****RDT*199602010900-199602020900
~~DTM*197*****DT*199602020900~~
CS*K1234***NMT*P
SLN*~~000001*~~N001~~*~~*I~~*100*BZ~~
~~SI*AP*QT*R*TT*01~~
LQ*QT*R
LQ*TT*01
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D11111111~~
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*38*100*BZ
N1*DW**1*987654321
LCD*1*MQ***DR*D11111111
SLN*~~000002*~~N002~~*~~*I~~*25*BZ~~
~~SI*AP*QT*R*TT*01~~
LQ*QT*R
LQ*TT*01
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D22222222~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*38*25*BZ
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
SLN*~~000003*~~N003~~*~~*I~~*25*BZ~~
~~SI*AP*QT*R*TT*01~~
LQ*QT*R
LQ*TT*01
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D11111111~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*38*25*BZ
N1*DW**1*987654321
LCD*1*M2***DR*D11111111
~~CTT*1~~
SE*~~28~~32*123456789

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Non-Pathed Model

ST*~~850~~873*123456789
~~BEG*00*G1*2**960123~~
BGN*00*2*19960123****G1
DTM*102~~*~~****DT*199601230945
N1*SJ**1*357961038
N1*78**1*478935021
~~PO1******CR*K1234*MN*N~~
DTM*007~~*~~*****RDT*199602010900-199602020900
~~DTM*197*****DT*199602020900~~
CS*K1234***NMT*N
SLN*~~000001*~~N004~~*~~**I~~*100*BZ~~
~~SI*AP*QT*R*TT*01~~
LQ*QT*R
LQ*TT*01
~~N1*M2**29*R11111111~~
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*38*100*BZ
SLN*~~000002*~~N005~~*~~**I~~*50*BZ~~
~~SI*AP*QT*R*TT*01~~
LQ*QT*R
LQ*TT*01
~~N1*M2**29*R11111111~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*38*50*BZ
SLN*~~000003*~~N006~~*~~**I~~*119*BZ~~
~~SI*AP*QT*D*TT*01~~
LQ*QT*D
LQ*TT*01
~~N1*MQ**29*D11111111~~
N1*DW**1*987654321
LCD*1*MQ***DR*D11111111
QTY*38*119*BZ
SLN*~~000004*~~N007~~*~~**I~~*24*BZ~~
~~SI*AP*QT*D*TT*01~~
LQ*QT*D
LQ*TT*01
~~N1*MQ**29*D22222222~~
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
QTY*38*24*BZ
~~CTT*1~~
SE*~~2632~~*123456789

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Pathed Non-Threaded Model

ST*850873*123456789
BEG*00*G1*2**960123
BGN*00*2*19960123****G1
DTM*102*****DT*199601230945
N1*SJ**1*357961038
N1*78**1*478935021
PO1******CR*K1234*MN*T
DTM*007*****RDT*199602010900-199602020900
DTM*197*****DT*199602020900
CS*K1234***NMT*T
SLN*000001*N008**I*125*BZ
SI*AP*QT*R*TT*01
LQ*QT*R
LQ*TT*01
N1*US**ZZ*N/A
N1LCD*1*M2****29DR*R11111111
QTY*38*125*BZ
N1*DW**ZZ*N/A
N1LCD*1*MQ****29DR*D11111111
SLN*000002*N009**I*25*BZ
SI*AP*QT*R*TT*01
LQ*QT*R
LQ*TT*01
N1*US**ZZ*N/A
N1LCD*1*M2****29DR*R11111111
QTY*38*25*BZ
N1*DW**ZZ*N/A
N1LCD*1*MQ****29DR*D22222222
PO1******CR*K1234*MN*U
DTM*007*****RDT*199602010900-199602020900
DTM*197*****DT*199602020900
CS*K1234***NMT*U
SLN*000003*N010**I*100*BZ
SI*AP*QT*R*TT*01
LQ*QT*R
LQ*TT*01
N1*M2**29*R11111111
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*38*100*BZ
SLN*000004*N011**I*50*BZ
SI*AP*QT*R*TT*01
LQ*QT*R
LQ*TT*01
N1*M2**29*R11111111
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*38*50*BZ
SLN*000005*N012**I*119*BZ
SI*AP*QT*D*TT*01
LQ*QT*D
LQ*TT*01
N1*MQ**29*D11111111
N1*DW**1*987654321

LCD*1*MQ***DR*D11111111
QTY*38*119*BZ
SLN*~~000006*~~N013**I~~*24*BZ~~
~~SI*AP*QT*D*TT*01~~
LQ*QT*D
LQ*TT*01
~~N1*MQ**29*D22222222~~
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
QTY*38*24*BZ
~~CTT*2~~
SE*~~37~~50*123456789

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TRANSACTION SET TABLES

P - Pathed Model, N - Non-Pathed Model, T - Pathed Non-Threaded Model (Threaded Segment), U - Pathed Non-Threaded Model (Un-threaded Segment), nu - not used

DTM Segments (Detail)

Element Name (DTM07)	Usage	DTM01	DTM06
Beginning Date/Beginning Time	M/BC	007	D8 DT
Ending Date/Ending Time	M	197	D8 DT

SI 1000/234 Pairs (Sub-detail)

Element Name	Usage when PO109 =				Elem 1000	Elem 234	Elem 234 Description
	'P'	'N'	'T'	'U'			
Quantity Type Indicator	M	M	M	M	QT	R	Receipt
						D	Delivery
						B	Both
Transaction Type	M	M	M	M	TT	01	Current Business (default)
						02	Authorized Contract Overrun
						03	Imbalance Payback from Transportation Service Provider
						04	Imbalance Payback to Transportation Service Provider
						05	Plant Thermal Reduction
						06	Storage Injection
						07	Storage Withdrawal
						08	Pooling
						12	Authorized Injection Overrun
						13	Authorized Withdrawal Overrun
						14	Extended Receipt / Delivery Service
						16	No-Notice Balancing
						17	No-Notice Pre-Injection
						18	Suspense Gas Claim

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Element Name	Usage when PO109 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234 Description
						19	Delivery of Claimed Suspense Gas
						22	No-Notice Service
						24	No-Notice Due Transportation Service Provider Balancing
						25	No-Notice Due Service Requester Balancing
						26	Park
						27	Park Withdrawal
						28	Loan
						29	Loan Payback
						31	Meter Bounce
						41	Storage Inventory Cycling
						48	Authorized Point Overrun
						52	TSP Deficiency Credit
						53	SR Deficiency Credit
						54	Pool-to-Pool
						55	Backhaul
						56	Flow Day Diversion
Capacity Type Indicator	MA	MA	MA	MA	CT	PP	Primary to Primary
						PS	Primary to Secondary
						SS	Secondary to Secondary
						SP	Secondary to Primary
						IT	Interruptible
						TP	Tertiary to Primary
						TS	Tertiary to Secondary
Downstream Contract Identifier	BC	BC2	nu	BC2	DK		Downstream Contract ID
Associated Contract	MA	MA	MA	MA	AK		Associated Contract ID
Package ID	SO	SO	SO	SO	PG		Service Requester Package ID
Upstream Package ID	MA	MA1	nu	nu	UP		Upstream Package ID
Downstream Package ID	MA	MA2	nu	nu	DP		Downstream Package ID
Upstream Rank (Priority)	MA	MA1	nu	SO1	R1	001 thru 999	Cut Last Cut First

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Element Name	Usage when PO109 = 'P'	Usage when PO109 = 'N'	Usage when PO109 = 'T'	Usage when PO109 = 'U'	Elem 1000	Elem 234	Elem 234 Description
Receipt Rank (Priority)	SO	SO1	SO	nu	R2	001 thru 999	Cut Last Cut First
Delivery Rank (Priority)	SO	SO2	SO	nu	R3	001 thru 999	Cut Last Cut First
Downstream Rank (Priority)	MA	MA2	nu	SO2	R4	001 thru 999	Cut Last Cut First
Deal Type	MA	MA	MA	MA	DL		Deal Type
Service Provider Activity Code	MA	MA	MA	MA	SA		Service Provider Activity Code
Upstream Contract Identifier	BC	BC1	nu	BC1	UK		Upstream Contract ID
Bid Up Indicator	MA	MA	MA	MA	BU	MAX	Maximum Tariff Rate
Export Declaration	MA	MA	MA	MA	ED	GSTY GSTN	GST Export Declaration -- Yes GST Export Declaration -- No
Nomination Subsequent Cycle Indicator	MA	MA	MA	MA	MC	Y N	Yes No
Processing Rights Indicator	MA	MA	MA	MA	PR	Y N	Yes No
Nomination User Data 1	MA	MA	MA	MA	A1		Nomination User Data 1
Nomination User Data 2	MA	MA	MA	MA	A2		Nomination User Data 2
Maximum Rate Indicator	BC	BC	BC	nu	MR	Y N	Yes No

Usage:

MA1 This element may only be used when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').

MA2 This element may only be used when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').

SO1 This element may only be used when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').

SO2 This element may only be used when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').

BC1 This element may only be used when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').

~~BC2 This element may only be used when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').~~

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail)

Element Name (LQ02)	Usage when CS05~~PO109~~ = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
Quantity Type Indicator	M	M	M	M	QT	R	Receipt
						D	Delivery
						B	Both
Transaction Type	M	M	M	M	TT	01	Current Business (default)
						02	Authorized Contract Overrun
						03	Imbalance Payback from Transportation Service Provider
						04	Imbalance Payback to Transportation Service Provider
						05	Plant Thermal Reduction
						06	Storage Injection
						07	Storage Withdrawal
						08	Pooling
						12	Authorized Injection Overrun
						13	Authorized Withdrawal Overrun
						14	Extended Receipt / Delivery Service
						16	No-Notice Balancing
						17	No-Notice Pre-Injection
						18	Suspense Gas Claim
						19	Delivery of Claimed Suspense Gas
						22	No-Notice Service
						24	No-Notice Due Transportation Service Provider Balancing
						25	No-Notice Due Service Requester Balancing
						26	Park
						27	Park Withdrawal

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Element Name (LQ02)	Usage when CS05~~PO109~~ = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
						28	Loan
						29	Loan Payback
						31	Meter Bounce
						41	Storage Inventory Cycling
						48	Authorized Point Overrun
						52	TSP Deficiency Credit
						53	SR Deficiency Credit
						54	Pool-to-Pool
						55	Backhaul
						56	Flow Day Diversion
Capacity Type Indicator	MA	MA	MA	MA	~~CT~~CQ	PP	Primary to Primary
						PS	Primary to Secondary
						SS	Secondary to Secondary
						SP	Secondary to Primary
						IT	Interruptible
						TP	Tertiary to Primary
						TS	Tertiary to Secondary
Bid Up Indicator	MA	MA	MA	MA	~~BU~~BUI	MAX	Maximum Tariff Rate
Export Declaration	MA	MA	MA	MA	~~ED~~XD	GSTY	GST Export Declaration -- Yes
						GSTN	GST Export Declaration -- No
Nomination Subsequent Cycle Indicator	MA	MA	MA	MA	~~MC~~MCI	Y	Yes
						N	No
Processing Rights Indicator	MA	MA	MA	MA	PR	Y	Yes
						N	No
Maximum Rate Indicator	BC	BC	BC	nu	MR	Y	Yes
						N	No

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~~SI 1000/234 Pairs~~N9 Segments (Sub-detail)

Element Name (N902)	Usage when ~~PO109~~CS05 = 'P'	'N'	'T'	'U'	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Associated Contract	MA	MA	MA	MA	~~AK~~KAS		~~Associated Contract ID~~
Package ID	SO	SO	SO	SO	~~PG~~ PKG		~~Service Requester Package ID~~
Deal Type	MA	MA	MA	MA	~~DL~~PD		~~Deal Type~~
Service Provider's Activity Code	MA	MA	MA	MA	~~SA~~BE		~~Service Provider Activity Code~~
Nomination User Data 1	MA	MA	MA	MA	~~A1~~JD		~~Nomination User Data 1~~
Nomination User Data 2	MA	MA	MA	MA	~~A2~~Y8		~~Nomination User Data 2~~

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail - N1 loop)

Element Name (N902)	Usage when ~~PO109~~CS05 = 'P'	'N'	'T'	'U'	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Downstream Contract Identifier	BC2 ~~BC~~	BC2	nu	BC2	~~DK~~DT		~~Downstream Contract ID~~
Upstream Package ID	MA1 ~~MA~~	MA1	nu	nu	~~UP~~PKU		~~Upstream Package ID~~
Downstream Package ID	MA2 ~~MA~~	MA2	nu	nu	PGD ~~DP~~		~~Downstream Package ID~~
Upstream Contract Identifier	BC1 ~~BC~~	BC1	nu	BC2	~~UK~~UP		~~Upstream Contract ID~~

Usage:

MA1 This element may only be used ~~when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').~~in the upstream N1 loop (N101 = 'US').

MA2 This element may only be used ~~when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').~~in the downstream N1 loop (N101 = 'DW').

BC1 This element may only be used ~~when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').~~in the upstream N1 loop (N101 = 'US').

BC2 This element may only be used ~~when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').~~in the downstream N1 loop (N101 = 'DW').

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail - N1 loop)

Element Name (LQ02)	Usage when ~~PO109~~ CS05= 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
Upstream Rank (Priority)	MA1 ~~MA~~	MA1	nu	SO1	R1	001 thru 999	Cut Last Cut First
Receipt Rank (Priority)	SO1 ~~SO~~	SO1	SO	nu	R2	001 thru 999	Cut Last Cut First
Delivery Rank (Priority)	SO1 ~~SO~~	SO2	SO	nu	R3	001 thru 999	Cut Last Cut First
Downstream Rank (Priority)	MA2 ~~MA~~	MA2	nu	SO2	R4	001 thru 999	Cut Last Cut First

Usage:

MA1 This element may only be used ~~when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').~~in the upstream N1 loop (N101 = 'US').

MA2 This element may only be used ~~when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').~~in the downstream N1 loop (N101 = 'DW').

SO1 This element may only be used ~~when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').~~in the upstream N1 loop (N101 = 'US').

SO2 This element may only be used ~~when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').~~in the downstream N1 loop (N101 = 'DW').

~~PO3~~QTY Segments (Sub-detail - N1 loop)

Element Name (~~PO306~~QTY02)	Usage when ~~PO109~~CS05 = 'P'	'N'	'T'	'U'	QTY01 ~~PO301~~
Quantity	M1	M1	M1	M1	38
Delivered Quantity	MA1 ~~MA~~	nu	MA1~~M A~~	nu	~~ZZ~~QD
Minimum Delivery Quantity	MA2 ~~MA~~	MA2 ~~MA~~	MA2~~M A~~	MA2~~M A~~	~~MP~~8H
Minimum Receipt Quantity	MA3 ~~MA~~	MA3 ~~MA~~	MA3~~M A~~	MA3~~M A~~	~~MC~~67

Usage:

M1 When sending one quantity and LQ01 = 'QT'/LQ02 = 'R', send Quantity in the upstream N1 loop (N101 = 'US').

When sending one quantity and LQ01 = 'QT'/LQ02 = 'D', send Quantity in the downstream N1 loop (N101 = 'DW').
When sending two quantities, send Quantity in the upstream N1 loop (N101 = 'US') and send Delivered Quantity in the downstream N1 loop (N101 = 'DW').

MA1 When sending two quantities, send Quantity in the upstream N1 loop (N101 = 'US') and send Delivered Quantity in the downstream N1 loop (N101 = 'DW').

MA2 This element may only be used in the downstream N1 loop (N101 = 'DW').

MA3 This element may only be used in the upstream N1 loop (N101 = 'US').

~~N1 Segments (Sub-detail)~~

~~Element Name (N104)~~	~~Usage when PO109 = 'P'~~	~~'N'~~	~~'T'~~	~~'U'~~	~~N101~~	~~N103~~	~~N103 Description~~
~~Downstream Identifier Code~~	~~M~~	~~C~~	~~nu~~	~~C~~	~~DW~~	~~1~~	~~D-U-N-S Number, Dun & Bradstreet~~
~~Receipt Location/Receipt Location Proprietary Code~~	~~M~~	~~C~~	~~M~~	~~C~~	~~M2~~	~~29~~ ~~ZY~~	~~GISB/PI Data Reference Number (see n1)~~ ~~Transportation Service Provider's proprietary code (see n1)~~
~~Delivery Location/Delivery Location Proprietary Code~~	~~M~~	~~C~~	~~M~~	~~C~~	~~MQ~~	~~29~~ ~~ZY~~	~~GISB/PI Data Reference Number (see n1)~~ ~~Transportation Service Provider's proprietary code (see n1)~~
~~Upstream Identifier Code~~	~~M~~	~~C~~	~~nu~~	~~C~~	~~US~~	~~1~~	~~D-U-N-S Number, Dun & Bradstreet~~

~~Notes:~~

~~n1 When a Transportation Service Provider's proprietary location code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.~~

DATA ELEMENT CROSS REFERENCE TO ASC X12

Usage Codes: M - Mandatory, C - Conditional, SO - Sender's Option, BC - Business Conditional, MA - Mutually Agreeable, nu - not used

Heading:

Segment	Usage	Segment Name/GISB Data Element Name
ST	M	Transaction Set Header
~~BEG~~BGN	M	Transaction Identifier
N1	M	Confirming Party
N1	M	Confirmation Requester

Detail:

Segment	Usage	Segment Name/GISB Data Element Name
~~PO1~~	~~BC~~	~~Confirmation Service Contract~~
DTM	M	Beginning Date
	M	Beginning Time
	M	Ending Date
	M	Ending Time
~~N1~~LCD	M	Location/Location Proprietary Code
~~PO1~~CS	BC	Confirmation Service Contract
N1	C	Confirmation Service Identifier Code
Sub-detail:		
SLN	M	Confirmation Tracking Identifier
	M	Quantity
~~SI~~	~~M~~	~~Contractual Flow Indicator~~
	~~MA~~	~~Service Requester Contract~~
	~~BC~~	~~Downstream Contract Identifier~~
	~~BC~~	~~Upstream Contract Identifier~~
	~~MA~~	~~Package ID~~
	~~MA~~	~~Upstream Package ID~~
	~~MA~~	~~Downstream Package ID~~
	~~C~~	~~Associated Contract~~
	~~MA~~	~~Receipt Rank (Priority)~~
	~~MA~~	~~Delivery Rank (Priority)~~
	~~MA~~	~~Confirmation Subsequent Cycle Indicator~~
	~~MA~~	~~Confirmation User Data 1~~
	~~MA~~	~~Confirmation User Data 2~~
LQ	M	Contractual Flow Indicator
LQ	MA	Confirmation Subsequent Cycle Indicator
N9	C	Associated Contract
N9	MA	Package ID
N9	MA	Confirmation User Data 1
N9	MA	Confirmation User Data 2

Segment	Usage	Segment Name/GISB Data Element Name
~~N1~~	~~C~~	~~Downstream Identifier Code~~
~~N1~~	~~C~~	~~Upstream Identifier Code~~
~~N1~~	~~MA~~	~~Service Requester~~
N1	C	Upstream Identifier Code
N9	BC	Upstream Contract Identifier
N9	MA	Upstream Package ID
LQ	MA	Receipt Rank (Priority)
N1	C	Downstream Identifier Code
N9	BC	Downstream Contract Identifier
N9	MA	Downstream Package ID
LQ	MA	Delivery Rank (Priority)
N1	MA	Service Requester
N9	MA	Service Requester Contract

Summary:

Segment	Usage	Segment Name/GISB Data Element Name
~~CTT~~	~~M~~	~~Transaction Totals~~
SE	M	Transaction Set Trailer

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SAMPLE ASC X12 TRANSACTION

ST*~~850~~873*123456789
~~BEG*00*G2*54321**960123~~
BGN*00*54321*19960123****G2
N1*~~40~~CNP**1*962078531
N1*~~41~~CNR**1*208549725
~~PO1*00001*****CR*OBA4321~~
DTM*007*~~*~~****RDT*199602010900-199602020900
~~N1~~LCD*1*~~MQ~~LCN***~~29~~DR*R11111111
CS*OBA4321
N1*~~B2~~CNS**1*321654987
SLN*~~000001*~~C001~~*~~**I*100*BZ
~~SI*AP*CF*R~~
LQ*CFI*R
N1*US**1*123456789
SLN*~~000002*~~C002~~*~~**I*50*BZ
~~SI*AP*CF*R~~
LQ*CFI*D
N1*DW**1*987654320
~~CTT*1~~
SE*~~16~~15*123456789

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TRANSACTION SET TABLES

N1 Segments (Detail)

Element Name (N104)	Usage	N101	N103	N103 Description
Location/Location Proprietary Code	M	MQ	29 ZY	GISB/PI Data Reference Number (see n1) Transportation Service Provider's proprietary code (see n1).
Confirmation Service Identifier Code	C	B2	1	D-U-N-S Number, Dun & Bradstreet

Notes:

n1 When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.

SI 1000/234 Pairs (Sub-detail)

Element Name	Usage	Elem 1000	Elem 234	Elem 234 Description
Contractual Flow Indicator	M	CF	R D	Receipt Delivery
Service Requester Contract	MA	CR		Service Requester Contract ID
Downstream Contract Identifier	BC1	DK		Downstream Contract ID
Upstream Contract Identifier	BC2	UK		Upstream Contract ID
Package ID	MA	PG		Package ID
Downstream Package ID	MA1	DP		Downstream Package ID
Upstream Package ID	MA2	UP		Upstream Package ID
Associated Contract	C	AK		Associated Contract ID
Delivery Rank (Priority)	MA1	R3		Delivery Rank (Priority)
Receipt Rank (Priority)	MA2	R2		Receipt Rank (Priority)
Confirmation Subsequent Cycle Indicator	MA	MC	Y N	Yes No
Confirmation User Data 1	MA	C1		Confirmation User Data 1
Confirmation User Data 2	MA	C1		Confirmation User Data 2

~~**Usage:**~~

~~BC1 This element may only be used when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~

~~BC2 This element may only be used when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~

~~MA1 This element may only be used when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~

~~MA2 This element may only be used when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail)

Element Name (LQ02)	Usage	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
Contractual Flow Indicator	M	~~CF~~CFI	R	Receipt
			D	Delivery
Confirmation Subsequent Cycle Indicator	MA	~~MC~~MCI	Y	Yes
			N	No

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail)

Element Name (N902)	Usage	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Package ID	MA	~~PG~~PKG		~~Package ID~~
Associated Contract	C	~~AK~~KAS		~~Associated Contract ID~~
Confirmation User Data 1	MA	~~C1~~JD		~~Confirmation User Data 1~~
Confirmation User Data 2	MA	~~C1~~Y8		~~Confirmation User Data 2~~

N1 Segments (Sub-detail)

Element Name (N104)	Usage	N101	N103	N103 Description
Downstream Identifier Code	C	DW	1	D-U-N-S Number, Dun & Bradstreet
Upstream Identifier Code	C	US	1	D-U-N-S Number, Dun & Bradstreet
Service Requester	MA	78	1	D-U-N-S Number, Dun & Bradstreet

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail - N1 loop)

Element Name (N902)	Usage	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Downstream Contract Identifier	BC1	~~DK~~DT		~~Downstream Contract ID~~
Upstream Contract Identifier	BC2	~~UK~~UP		~~Upstream Contract ID~~
Downstream Package ID	MA1	~~DP~~PGD		~~Downstream Package ID~~
Upstream Package ID	MA2	~~UP~~PKU		~~Upstream Package ID~~
Service Requester Contract	MA3~~MA~~	~~CR~~KSR		~~Service Requester Contract ID~~

Usage:

BC1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D')~~ in the downstream N1 loop (N101 = 'DW').

BC2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R')~~ in the upstream N1 loop (N101 = 'US').

MA1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D')~~ in the downstream N1 loop (N101 = 'DW').

MA2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R')~~ in the upstream N1 loop (N101 = 'US').

MA3 This element may only be used in the service requester N1 loop (N101 = '78').

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail - N1 loop)

Element Name (LQ02)	Usage	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	LQ02 ~~Elem 234~~ Description
Delivery Rank (Priority)	MA1	R3	001 thru 999	Cut Last ~~Delivery Rank (Priority)~~ Cut First
Receipt Rank (Priority)	MA2	R2	001 thru 999	Cut Last ~~Receipt Rank (Priority)~~ Cut First

Usage:

MA1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~ in the downstream N1 loop (N101 = 'DW').

MA2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~ in the upstream N1 loop (N101 = 'US').

DATA ELEMENT CROSS REFERENCE TO ASC X12

Usage Codes: M - Mandatory, C - Conditional, SO - Sender's Option, BC - Business Conditional, MA - Mutually Agreeable, nu - not used

Heading:

Segment	Usage	Segment Name/GISB Data Element Name
ST	M	Transaction Set Header
~~BAK~~BGN	M	Transaction Identifier
N1	M	Confirming Party
N1	M	Confirmation Requester

Detail:

Segment	Usage	Segment Name/GISB Data Element Name
~~PO1~~	~~BC~~	~~Confirmation Service Contract~~
~~PID~~	~~SO~~	~~Reduction Reason~~
DTM	M	Beginning Date
	M	Beginning Time
	M	Ending Date
	M	Ending Time
~~PID~~LQ	SO	Reduction Reason
~~N1~~LCD	M	Location/Location Proprietary Code
~~PO1~~CS	BC	Confirmation Service Contract
N1	C	Confirmation Service Identifier Code
Sub-detail:		
SLN	M	Confirmation Tracking Identifier
	M	Quantity
~~SI~~	~~M~~	~~Contractual Flow Indicator~~
	~~M~~	~~Solicited/Unsolicited Indicator~~
	~~BC~~	~~Downstream Contract Identifier~~
	~~BC~~	~~Upstream Contract Identifier~~
	~~C~~	~~Associated Contract~~
	~~MA~~	~~Service Requester Contract~~
	~~MA~~	~~Package ID~~
	~~MA~~	~~Upstream Package ID~~
	~~MA~~	~~Downstream Package ID~~
	~~MA~~	~~Receipt Rank (Priority)~~
	~~MA~~	~~Delivery Rank (Priority)~~
	~~MA~~	~~Confirmation Subsequent Cycle Indicator~~
	~~MA~~	~~Confirmation User Data 1~~
	~~MA~~	~~Confirmation User Data 2~~
LQ	M	Contractual Flow Indicator
LQ	M	Solicited/Unsolicited Indicator
LQ	SO	Reduction Reason
LQ	MA	Confirmation Subsequent Cycle Indicator

Segment	Usage	Segment Name/GISB Data Element Name
N9	C	Associated Contract
N9	MA	Package ID
N9	MA	Confirmation User Data 1
N9	MA	Confirmation User Data 2
~~PID~~	~~SO~~	~~Reduction Reason~~
~~N1~~	~~C~~	~~Downstream Identifier Code~~
~~N1~~	~~C~~	~~Upstream Identifier Code~~
~~N1~~	~~MA~~	~~Service Requester~~
N1	C	Upstream Identifier Code
N9	BC	Upstream Contract Identifier
N9	MA	Upstream Package ID
LQ	MA	Receipt Rank (Priority)
N1	C	Downstream Identifier Code
N9	BC	Downstream Contract Identifier
N9	MA	Downstream Package ID
LQ	MA	Delivery Rank (Priority)
N1	MA	Service Requester
N9	MA	Service Requester Contract

Summary:

Segment	Usage	Segment Name/GISB Data Element Name
~~CTT~~	~~M~~	~~Transaction Totals~~
SE	M	Transaction Set Trailer

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SAMPLE ASC X12 TRANSACTION

ST*~~855~~873*012345678
~~BAK*06*AT*54321**960123~~
BGN*00*54321*19960123****G3
N1*~~40~~CNP**1*962078531
N1*~~41~~CNR**1*208549725
~~PO1*00001*****CR*OBA4321~~
DTM*007*~~*~~****RDT*199602010900-199602020900
~~N1~~LCD*1*~~MQ~~LCN***~~29~~DR*R11111111
CS*OBA4321
N1*~~B2~~CNS**1*321654987
SLN*~~000001*~~C001~~*~~**I*100*BZ
~~SI*AP*CF*R*SU*U~~
LQ*CFI*R
LQ*SUI*U
N1*US**1*123456789
SLN*~~000002*~~C002~~*~~**I*50*BZ
~~SI*AP*CF*D*SU*U~~
LQ*CFI*D
LQ*SUI*U
N1*DW**1*~~123456780~~987654320
~~CTT*1~~
SE*~~16~~17*012345678

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TRANSACTION SET TABLES

~~Reduction Reason~~LQ Segments (Detail~~/Sub-detail~~)

Element Name (LQ02)	Usage	LQ01	LQ02~~Reduction Reason (PID04)~~	LQ02 Description
Reduction Reason (see n1)	SO	RED	AFF	Processing Affidavit Non-Compliance
			CAP	Confirming Party's Capacity Constraint
			CBL	Contract Balancing
			CPR	Confirming Party Reduction
			FMJ	Force Majeure
			GQS	Gas Quality Specifications Not Met
			PLC	Pipeline Curtailment
			PLM	Pipeline Maintenance
			QER	Quantity Exceeds MDQ of Associated Contract
			001	Invalid Beginning/Ending Date/Time
			002	Invalid Location
			003	Invalid Contractual Flow Indicator
			004	Invalid Service Requester
			005	Invalid Upstream Identifier Code
			006	Invalid Downstream Identifier Code
			007	Invalid Upstream Contract Identifier
			008	Invalid Downstream Contract Identifier
			009	Invalid Service Requester Contract
			010	Invalid Confirmation Service Identifier Code
			011	Invalid Associated Contract
			012	No Corresponding Nomination
			013	No Corresponding Nomination at Receipt Location
			014	No Corresponding Nomination at Delivery Location
			900	Downstream Contract Identifier Not Processed
			901	Upstream Contract Identifier Not Processed
			902	Confirmation Service Contract Not Processed

Notes:

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n1 This data element communicates the Reduction Reason codes pertaining to the Location level. When the Reduction Reason code is present at both the detail and sub-detail levels, the sub-detail code overrides the detail code.

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N1 Segments (Detail)

Element Name (N104)	Usage	N101	N103	N103 Description
Location/Location Proprietary Code	M	MQ	29 ZY	GISB/PI Data Reference Number (see n1) Transportation Service Provider's proprietary code (see n1)
Confirmation Service Identifier Code	C	B2	1	D-U-N-S Number, Dun & Bradstreet

Notes:

n1 When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.

SI 1000/234 Pairs (Sub-detail)

Element Name	Usage	Elem 1000	Elem 234	Elem 234 Description
Contractual Flow Indicator	M	CF	R D	Receipt Delivery
Solicited/Unsolicited Indicator	M	SU	S U	Solicited Unsolicited
Service Requester Contract	MA	CR		Service Requester Contract ID
Downstream Contract Identifier	BC1	DK		Downstream Contract ID
Upstream Contract Identifier	BC2	UK		Upstream Contract ID
Package ID	MA	PG		Package ID
Downstream Package ID	MA1	DP		Downstream Package ID
Upstream Package ID	MA2	UP		Upstream Package ID
Associated Contract	C	AK		Associated Contract ID
Delivery Rank (Priority)	MA1	R3		Delivery Rank (Priority)
Receipt Rank (Priority)	MA2	R2		Receipt Rank (Priority)
Confirmation Subsequent Cycle Indicator	MA	MC	Y N	Yes No
Confirmation User Data 1	MA	C1		Confirmation User Data 1
Confirmation User Data 2	MA	C2		Confirmation User Data 2

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~~**Usage:**~~

~~MA1 This element may only be used when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~

~~MA2 This element may only be used when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~

~~BC1 This element may only be used when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~

~~BC2 This element may only be used when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail)

Element Name (LQ02)	Usage	~~LQ01 Elem 1000~~	~~LQ02 Elem 234~~	~~Elem 234~~LQ02 Description
Contractual Flow Indicator	M	~~CF~~CFI	R	Receipt
			D	Delivery
Solicited/Unsolicited Indicator	M	~~SU~~SUI	S	Solicited
			U	Unsolicited
Confirmation Subsequent Cycle Indicator	MA	~~MC~~MCI	Y	Yes
			N	No
Reduction Reason (see n1)	SO	RED	AFF	Processing Affidavit Non-Compliance
			CAP	Confirming Party's Capacity Constraint
			CBL	Contract Balancing
			CPR	Confirming Party Reduction
			FMJ	Force Majeure
			GQS	Gas Quality Specifications Not Met
			PLC	Pipeline Curtailment
			PLM	Pipeline Maintenance
			QER	Quantity Exceeds MDQ of Associated Contract
			001	Invalid Beginning/Ending Date/Time
			002	Invalid Location
			003	Invalid Contractual Flow Indicator
			004	Invalid Service Requester
			005	Invalid Upstream Identifier Code
			006	Invalid Downstream Identifier Code
			007	Invalid Upstream Contract Identifier
			008	Invalid Downstream Contract Identifier

Element Name (LQ02)	Usage	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
			009	Invalid Service Requester Contract
			010	Invalid Confirmation Service Identifier Code
			011	Invalid Associated Contract
			012	No Corresponding Nomination
			013	No Corresponding Nomination at Receipt Location
			014	No Corresponding Nomination at Delivery Location
			900	Downstream Contract Identifier Not Processed
			901	Upstream Contract Identifier Not Processed
			902	Confirmation Service Contract Not Processed

Notes:

n1 This data element communicates the Reduction Reason codes pertaining to the Confirmation Tracking Identifier level. When the Reduction Reason code is present at both the detail and sub-detail levels, the sub-detail code overrides the detail code.

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail)

Element Name (N902)	Usage	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Package ID	MA	~~PG~~PKG		~~Package ID~~
Associated Contract	C	~~AK~~KAS		~~Associated Contract ID~~
Confirmation User Data 1	MA	~~C1~~JD		~~Confirmation User Data 1~~
Confirmation User Data 2	MA	~~C2~~Y8		~~Confirmation User Data 2~~

N1 Segments (Sub-detail)

Element Name (N104)	Usage	N101	N103	N103 Description
Downstream Identifier Code	C	DW	1	D-U-N-S Number, Dun & Bradstreet
Upstream Identifier Code	C	US	1	D-U-N-S Number, Dun & Bradstreet
Service Requester	MA	78	1	D-U-N-S Number, Dun & Bradstreet

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail - N1 loop)

Element Name (N902)	Usage	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Downstream Contract Identifier	BC1	~~DK~~DT		~~Downstream Contract ID~~
Upstream Contract Identifier	BC2	~~UK~~UP		~~Upstream Contract ID~~
Downstream Package ID	MA1	~~DP~~PGD		~~Downstream Package ID~~
Upstream Package ID	MA2	~~UP~~PKU		~~Upstream Package ID~~
Service Requester Contract	MA3~~MA~~	~~CR~~KSR		~~Service Requester Contract ID~~

Usage:

MA1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~ in the downstream N1 loop (N101 = 'DW').

MA2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~ in the upstream N1 loop (N101 = 'US').

BC1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~ in the downstream N1 loop (N101 = 'DW').

BC2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~ in the upstream N1 loop (N101 = 'US').

MA3 This element may only be used in the service requester N1 loop (N101 = '78').

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail - N1 loop)

Element Name (LQ02)	Usage	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	LQ02~~Elem 234~~ Description
Delivery Rank (Priority)	MA1	R3	001 thru 999	Cut Last Cut First~~Delivery Rank (Priority)~~
Receipt Rank (Priority)	MA2	R2	001 thru 999	Cut Last Cut First~~Receipt Rank (Priority)~~

Usage:

MA1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~ in the downstream N1 loop (N101 = 'DW').

MA2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~ in the upstream N1 loop (N101 = 'US').

DATA ELEMENT CROSS REFERENCE TO ASC X12

P - Pathed Model, N - Non-Pathed Model, T - Pathed Non-Threaded Model (Threaded Segment), U - Pathed Non-Threaded Model (Un-threaded Segment)

Usage Codes: M - Mandatory, C - Conditional, SO - Sender's Option, BC - Business Conditional, MA - Mutually Agreeable, nu - not used

Heading:

Segment	Usage without Nominator's Tracking ID P N T U	Usage with Nominator's Tracking ID P N T U	Segment Name/GISB Data Element Name
ST	M M M M	M M M M	Transaction Set Header
~~BCA~~BGN	M M M M	M M M M	Beginning Segment
DTM	M M M M	M M M M	Statement Date/Time
N1	M M M M	M M M M	Transportation Service Provider
N1	M M M M	M M M M	Service Requester

Detail:

Segment	Usage without Nominator's Tracking ID P N T U	Usage with Nominator's Tracking ID P N T U	Segment Name/GISB Data Element Name
~~POC~~	~~M M M M~~	~~M M M M~~	~~Service Requester Contract~~
	~~M M M M~~	~~M M M M~~	~~Model Type~~
DTM	M M M M	M M M M	Beginning Date
	M M M M	M M M M	Ending Date
	M M M M	M M M M	Beginning Time
	M M M M	M M M M	Ending Time
~~POC~~CS	M M M M	M M M M	Service Requester Contract
	M M M M	M M M M	Model Type
Sub-detail:			
SLN	nu nu nu nu	M M M M	Nominator's Tracking ID
	~~M C M C~~	~~M C M C~~	~~Receipt Point Quantity~~
	~~nu C nu C~~	~~nu C nu C~~	~~Delivery Point Quantity~~
	C C C C	C C C C	Bid Transportation Rate
	MA MA MA MA	MA MA MA MA	Fuel Quantity

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Segment	Usage without Nominator's Tracking ID P N T U	Usage with Nominator's Tracking ID P N T U	Segment Name/GISB Data Element Name
SI	M M M M	nu nu nu nu	Transaction Type
	MA MA MA nu	nu nu nu nu	Receipt Rank (Priority)
	MA MA MA nu	nu nu nu nu	Delivery Rank (Priority)
	C C nu C	nu nu nu nu	Upstream Contract Identifier
	C C nu C	nu nu nu nu	Downstream Contract Identifier
	MA MA MA MA	nu nu nu nu	Service Provider's Activity Code
	MA MA MA MA	nu nu nu nu	Capacity Type Indicator
	C C C C	nu nu nu nu	Package ID
	C C nu nu	nu nu nu nu	Upstream Package ID
	C C nu nu	nu nu nu nu	Downstream Package ID
	M M M M	M M M M	Reduction Reason
	C C C C	nu nu nu nu	Deal Type
	C C C C	nu nu nu nu	Associated Contract
	MA MA MA MA	nu nu nu nu	Export Declaration
	MA MA MA MA	nu nu nu nu	Nomination Subsequent Cycle Indicator
	MA MA MA MA	nu nu nu nu	Processing Rights Indicator
	MA MA MA MA	nu nu nu nu	Nomination User Data 1
	MA MA MA MA	nu nu nu nu	Nomination User Data 2
	MA MA MA MA	MA MA MA MA	Receipt Scheduling Status
	MA MA MA MA	MA MA MA MA	Delivery Scheduling Status
LQ	M M M M	nu nu nu nu	Transaction Type
LQ	M M M M	M M M M	Reduction Reason
LQ	MA MA MA MA	nu nu nu nu	Capacity Type Indicator
LQ	MA MA MA MA	nu nu nu nu	Export Declaration
LQ	MA MA MA MA	nu nu nu nu	Nomination Subsequent Cycle Indicator
LQ	MA MA MA MA	nu nu nu nu	Processing Rights Indicator
N9	C C C C	nu nu nu nu	Package ID
N9	C C C C	nu nu nu nu	Deal Type
N9	C C C C	nu nu nu nu	Associated Contract
N9	MA MA MA MA	nu nu nu nu	Service Provider's Activity Code
N9	MA MA MA MA	nu nu nu nu	Nomination User Data 1
N9	MA MA MA MA	nu nu nu nu	Nomination User Data 2
PO3	M nu M nu	M nu M nu	Delivery Point Quantity
PO3	MA MA MA MA	MA MA MA MA	Fuel Quantity
PO3	MA MA MA MA	MA MA MA MA	Distributed Confirmed Receipt Quantity
PO3	MA MA MA MA	MA MA MA MA	Distributed Confirmed Delivery Quantity
N1	M C M C	nu nu nu nu	Delivery Location/ Delivery Location Proprietary Code
	M C M C	nu nu nu nu	Receipt Location/ Receipt Location Proprietary Code
	M C nu C	nu nu nu nu	Downstream Identifier Code
	M C nu C	nu nu nu nu	Upstream Identifier Code
N1	M C nu C	nu nu nu nu	Upstream Identifier Code
LCD	M C M C	nu nu nu nu	Receipt Location/ Receipt Location Proprietary Code
N9	C C nu C	nu nu nu nu	Upstream Contract Identifier
N9	C C nu nu	nu nu nu nu	Upstream Package ID
LQ	MA MA MA nu	nu nu nu nu	Receipt Rank (Priority)
LQ	MA MA MA MA	MA MA MA MA	Receipt Scheduling Status
QTY	M C M C	M C M C	Receipt Point Quantity
QTY	MA MA MA MA	MA MA MA MA	Distributed Confirmed Receipt Quantity

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Segment	Usage without Nominator's Tracking ID P N T U	Usage with Nominator's Tracking ID P N T U	Segment Name/GISB Data Element Name
N1	M C nu C	nu nu nu nu	Downstream Identifier Code
LCD	M C M C	nu nu nu nu	Delivery Location/ Delivery Location Proprietary Code
N9	C C nu C	nu nu nu nu	Downstream Contract Identifier
N9	C C nu nu	nu nu nu nu	Downstream Package ID
LQ	MA MA MA nu	nu nu nu nu	Delivery Rank (Priority)
LQ	MA MA MA MA	MA MA MA MA	Delivery Scheduling Status
QTY	M C M C	M C M C	Delivery Point Quantity
QTY	MA MA MA MA	MA MA MA MA	Distributed Confirmed Delivery Quantity

Summary:

Segment	Usage without Nominator's Tracking ID P N T U	Usage with Nominator's Tracking ID P N T U	Segment Name/GISB Data Element Name
~~CTT~~	~~M M M M~~	~~M M M M~~	~~Transaction Totals~~
SE	M M M M	M M M M	Transaction Set Trailer

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SAMPLE ASC X12 TRANSACTION

Pathed Model - Without utilization of the Nominator's Tracking ID

ST*~~865~~873*234567890
~~BCA*00**14029***960123~~
BGN*00*1*19960123****Q1
DTM*102~~*~~*****DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
~~POC*00001*OC******CR*K1234*MN*P~~
DTM*007~~*~~*****RDT*199602010900-199602020900
CS*K1234***NMT*P
SLN*~~000001~~N/A**I~~*100*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~PO3*ZZ*****95*BZ~~
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D11111111~~
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*87*100*BZ
N1*DW**1*987654321
LCD*1*MQ***DR*D11111111
QTY*QD*95*BZ
SLN*~~000002~~N/A**I~~*25*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~PO3*ZZ*****24*BZ~~
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D22222222~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*87*25*BZ
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
QTY*QD*24*BZ
SLN*~~000003~~N/A**I~~*25*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~PO3*ZZ*****24*BZ~~
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D22222222~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*87*25*BZ
N1*DW**1*987654321
LCD*1*MQ***DR*D22222222
QTY*QD*24*BZ
~~CTT*1~~
SE*~~30~~35*234567890

Pathed Model - With utilization of the Nominator's Tracking ID

ST*865873*234567890
BCA*00**14029***960123
BGN*00*1*19960123****Q1
DTM*102*****DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
POC*00001*OC******CR*K1234*MN*P
DTM*007*****RDT*199602010900-199602020900
CS*K1234***NMT*P
SLN*000001*N001**I*100*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*100*BZ
N1*DW**ZZ*N/A
PO3QTY*ZZQD*****95*BZ
SLN*000002*N002**I*25*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*25*BZ
N1*DW**ZZ*N/A
PO3QTY*ZZQD*****24*BZ
SLN*000003*N003**I*25*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*25*BZ
N1*DW**ZZ*N/A
PO3QTY*ZZQD*****24*BZ
CTT*1
SE*1826*234567890

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Non-Pathed Model - Without utilization of the Nominator's Tracking ID

ST*~~865~~873*234567890
~~BCA*00**14029***960123~~
BGN*00*1*19960123****Q1
DTM*102~~*~~****DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
~~POC*00001*OC******CR*K1234*MN*N~~
DTM*007~~*~~*****RDT*199602010900-199602020900
CS*K1234***NMT*N
SLN*~~000001~~N/A**I~~*100*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~N1*M2**29*R11111111~~
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*87*100*BZ
SLN*~~000002~~N/A**I~~*50*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~N1*M2**29*R11111111~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*87*50*BZ
SLN*~~000003~~N/A**I~~*119*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~N1*MQ**29*D11111111~~
N1*DW**1*987654321
LCD*1*MQ***DR*D11111111
QTY*QD*119*BZ
SLN*~~000004~~N/A**I~~*24*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~N1*MQ**29*D22222222~~
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
QTY*QD*24*BZ
~~CTT*1~~
SE*~~25~~32*234567890

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Non-Pathed Model - With utilization of the Nominator's Tracking ID

ST*865873*234567890
BCA*00**14029***960123
BGN*00*1*19960123****Q1
DTM*102**DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
POC*00001*OC******CR*K1234*MN*N
DTM*007*****RDT*199602010900-199602020900
CS*K1234***NMT*N
SLN*000001*N004**I*100*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ**N/A
QTY*87*100*BZ
SLN*000002*N005**I*50*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ**N/A
QTY*87*50*BZ
SLN*000003*N006**I*119*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*DW**ZZ**N/A
QTY*QD*119*BZ
SLN*000004*N007**I*24*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*DW**ZZ**N/A
QTY*QD*24*BZ
CTT*1
SE*1724*234567890

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Pathed Non-Threaded Model - Without utilization of the Nominator's Tracking ID

ST*865873*234567890
BCA*00**14029***960123
BGN*00*1*19960123****Q1
DTM*102*****DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
POC*00001*OC******CR*K1234*MN*T
DTM*007*****RDT*199602010900-199602020900
CS*K1234***NMT*T
SLN*000001N/A**I*125*BZ
SI*AP*TT*01*RR*AOK
LQ*TT*01
LQ*RED*AOK
PO3*ZZ*****119*BZ
N1*US**ZZ*N/A
N1LCD*1*M2***29DR*R11111111
QTY*87*125*BZ
N1*DW**ZZ*N/A
N1LCD*1*MQ***29DR*D11111111
QTY*QD*119*BZ
SLN*000002N/A**I*25*BZ
SI*AP*TT*01*RR*AOK
LQ*TT*01
LQ*RED*AOK
PO3*ZZ*****24*BZ
N1*US**ZZ*N/A
N1LCD*1*M2***29DR*R11111111
QTY*87*25*BZ
N1*DW**ZZ*N/A
N1LCD*1*MQ***29DR*D22222222
QTY*QD*24*BZ
POC*00002*OC******CR*K1234*MN*U
DTM*007*****RDT*199602010900-199602020900
CS*K1234***NMT*U
SLN*000003N/A**I*100*BZ
SI*AP*TT*01*RR*AOK
LQ*TT*01
LQ*RED*AOK
N1*M2**29*R11111111
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*87*100*BZ
SLN*000004N/A**I*50*BZ
SI*AP*TT*01*RR*AOK
LQ*TT*01
LQ*RED*AOK
N1*M2**29*R11111111
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*87*50*BZ
SLN*000005N/A**I*119*BZ
SI*AP*TT*01*RR*AOK
LQ*TT*01
LQ*RED*AOK

~~N1*MQ**29*D11111111~~
N1*DW**1*987654321
LCD*1*MQ***DR*D11111111
QTY*QD*119*BZ
SLN*~~000006~~N/A**I~~*24*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~N1*MQ**29*D22222222~~
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
QTY*QD*24*BZ
~~CTT*2~~
SE*~~37~~52*234567890

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Pathed Non-Threaded Model - With utilization of the Nominator's Tracking ID

ST*865873*234567890
BCA*00**14029***960123
BGN*00*1*19960123****Q1
DTM*102*****DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
POC*00001*OC******CR*K1234*MN*T
DTM*007*****RDT*199602010900-199602020900
CS*K1234***NMT*T
SLN*000001*N008**I*125*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*125*BZ
N1*DW**ZZ*N/A
PO3QTY*ZZQD*****119*BZ
SLN*000002*N009**I*25*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*25*BZ
N1*DW**ZZ*N/A
PO3QTY*ZZQD*****24*BZ
POC*00002*OC******CR*K1234*MN*U
DTM*007*****RDT*199602010900-199602020900
CS*K1234*NMT*U
SLN*000003*N010**I*100*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*100*BZ
SLN*000004*N011**I*50*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*50*BZ
SLN*000005*N012**I*119*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*DW**ZZ*N/A
QTY*QD*119*BZ
SLN*000006*N013**I*24*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*DW**ZZ*N/A
QTY*QD*24*BZ
CTT*2
SE*2538*234567890

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TRANSACTION SET TABLES

P - Pathed Model, N - Non-Pathed Model, T - Pathed Non-Threaded Model (Threaded Segment), U - Pathed Non-Threaded Model (Un-threaded Segment), nu - not used

SI 1000/234 Pairs (Sub-detail)

see n1

Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
Transaction Type	M	M	M	M	TT	01	Current Business (default)
						02	Authorized Contract Overrun
						03	Imbalance Payback from Transportation Service Provider
						04	Imbalance Payback to Transportation Service Provider
						05	Plant Thermal Reduction
						06	Storage Injection
						07	Storage Withdrawal
						08	Pooling
						12	Authorized Injection Overrun
						13	Authorized Withdrawal Overrun
						14	Extended Receipt/Delivery Service
						16	No-Notice Balancing
						17	No-Notice Pre-Injection
						18	Suspense Gas Claim
						19	Delivery of Claimed Suspense Gas
						22	No-Notice Service
						24	No-Notice Due Transportation Service Provider Balancing
						25	No-Notice Due Service Requester Balancing
						31	Meter Bounce
						41	Storage Inventory Cycling
						48	Authorized Point Overrun
						52	TSP Deficiency Credit
						53	SR Deficiency Credit
						54	Pool-to-Pool
						55	Backhaul
						56	Flow Day Diversion

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Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
Capacity Type Indicator	MA	MA	MA	MA	CT	PP PS SS SP IT TP TS	Primary to Primary Primary to Secondary Secondary to Secondary Secondary to Primary Interruptible Tertiary to Primary Tertiary to Secondary
Downstream Contract Identifier	C	C	nu	C	DK		Downstream Contract ID
Package ID	C	C	C	C	PG		Service Requester Package ID
Upstream Package ID	C	C	nu	nu	UP		Upstream Package ID
Downstream Package ID	C	C	nu	nu	DP		Downstream Package ID
Receipt Rank (Priority)	MA	MA1	MA	nu	R2	001 thru 999	Cut Last Cut First
Delivery Rank (Priority)	MA	MA2	MA	nu	R3	001 thru 999	Cut Last Cut First
Deal Type	C	C	C	C	DL		Deal Type
Associated Contract	C	C	C	C	AK		Associated Contract ID
Reduction Reason (see n4)	M	M	M	M	RR	AFF AOK BMP CBL CAP CCD CCR CPR CRD CRE CRI	Processing Affidavit Non-Compliance All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required Quantity reduced due to bumping (see n2) Contract Balancing Confirming Party's Capacity Constraint Pipeline Capacity Constraint at Delivery Location Pipeline Capacity Constraint at Receipt Location Confirming Party Reduction Confirmation Not Conducted by Downstream Confirming Party (see n3) Capacity Recalled Credit Issues

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Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
						CRN	Confirmation Response Not Received
						CRR	Confirmation Not Conducted by Upstream Confirming Party (see n3)
						CSP	Confirmation Not Conducted by Transportation Service Provider (see n3)
						ECM	Exceeded Contract MDQ
						EPM	Exceeded Point MDQ
						EPS	Elapsed-Prorated-Scheduled Quantity
						FMJ	Force Majeure
						GQS	Gas Quality Specifications Not Met
						MQD	Minimum Delivery Quantity could not be scheduled
						MQR	Minimum Receipt Quantity could not be scheduled
						NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination (see n3)
						NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination (see n3)
						PBD	Pipeline Balancing at Delivery Location
						PBR	Pipeline Balancing at Receipt Location
						PCC	Pipeline Capacity Constraint
						PCD	Confirming Party's Capacity Constraint at Delivery Location
						PCR	Confirming Party's Capacity Constraint at Receipt Location
						PLC	Pipeline Curtailment
						PLM	Pipeline Maintenance
						PMD	Pipeline Maintenance at Delivery Location
						PMR	Pipeline Maintenance at Receipt Location
						PRD	Confirming Party Reduction at Delivery Location
						PRR	Confirming Party Reduction at Receipt Location

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Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
						QER	Quantity Exceeds MDQ of Associated Contract
						SRP	Storage Ratchet Provision
						012	No Corresponding Nomination
						013	No Corresponding Nomination at Receipt Location
						014	No Corresponding Nomination at Delivery Location
Reduction Reason (see n4)	M	M	M	M	RX	AFF	Processing Affidavit Non-Compliance
						AOK	All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required
						BMP	Quantity reduced due to bumping
						CBL	Contract Balancing
						CAP	Confirming Party's Capacity Constraint
						CCD	Pipeline Capacity Constraint at Delivery Location
						CCR	Pipeline Capacity Constraint at Receipt Location
						CPR	Confirming Party Reduction
						CRD	Confirmation Not Conducted by Downstream Confirming Party
						CRE	Capacity Recalled
						CRI	Credit Issues
						CRN	Confirmation Response Not Received
						CRR	Confirmation Not Conducted by Upstream Confirming Party
						CSP	Confirmation Not Conducted by Transportation Service Provider
						ECM	Exceeded Contract MDQ
						EPM	Exceeded Point MDQ
						EPS	Elapsed-Prorated-Scheduled Quantity
						FMJ	Force Majeure
						GQS	Gas Quality Specifications Not Met
						MQD	Minimum Delivery Quantity could not be scheduled

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Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
						MQR	Minimum Receipt Quantity could not be scheduled
						NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination
						NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination
						PBD	Pipeline Balancing at Delivery Location
						PBR	Pipeline Balancing at Receipt Location
						PCC	Pipeline Capacity Constraint
						PCD	Confirming Party's Capacity Constraint at Delivery Location
						PCR	Confirming Party's Capacity Constraint at Receipt Location
						PLC	Pipeline Curtailment
						PLM	Pipeline Maintenance
						PMD	Pipeline Maintenance at Delivery Location
						PMR	Pipeline Maintenance at Receipt Location
						PRD	Confirming Party Reduction at Delivery Location
						PRR	Confirming Party Reduction at Receipt Location
						QER	Quantity Exceeds MDQ of Associated Contract
						SRP	Storage Ratchet Provision
						012	No Corresponding Nomination
						013	No Corresponding Nomination at Receipt Location
						014	No Corresponding Nomination at Delivery Location
Service Provider Activity Code	MA	MA	MA	MA	SA		Service Provider Activity Code
Upstream Contract Identifier	C	C	nu	C	UK		Upstream Contract ID
Export Declaration	MA	MA	MA	MA	ED	GSTY	GST Export Declaration --Yes
						GSTN	GST Export Declaration -- No
Nomination Subsequent Cycle Indicator	MA	MA	MA	MA	MC	Y	Yes

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Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
						N	No
Processing Rights Indicator	MA	MA	MA	MA	PR	Y N	Yes No
Nomination User Data 1	MA	MA	MA	MA	A1		Nomination User Data 1
Nomination User Data 2	MA	MA	MA	MA	A2		Nomination User Data 2
Receipt Scheduling Status	MA	MA	MA	MA	RS	CAL CON NOM SCH	Capacity Allocated Confirmed Nominated Scheduled
Delivery Scheduling Status	MA	MA	MA	MA	DS	CAL CON NOM SCH	Capacity Allocated Confirmed Nominated Scheduled

Usage:

MA1 This element will only be used when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').

MA2 This element will only be used when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ')

Notes:

n1 These data elements, with the exception of Reduction Reason, are not needed when the Nominator's Tracking ID is used. Reduction Reason (Elem 1000 = "RR") is mandatory in all cases.

n2 This Reduction Reason should be sent to provide "Notice to Bumped Parties" pursuant to Standards 1.3.2.ii and 1.3.2.iii.

n3 Per Standard 1.3.22.iv, one of these Reduction Reasons should be sent if there is no response to a Request for Confirmation or an unsolicited Confirmation Response.

n4 If the receiver does not accept multiple Reduction Reasons, only the first occurrence of the Reduction Reason sent (Elem 1000 = "RR") will be utilized. Since sending multiple Reduction Reasons is a mutually agreed practice, any additional occurrences of the Reduction Reason sent (Elem 1000 = "RX") may be discarded. There may be a total of five Reduction Reasons sent (one in Elem 1000 = "RR" and up to four in Elem 1000 = "RX").

SI 1000/234 PairsLQ Segments (Sub-detail)

see n1

	Usage when POC11CS05 =			

Element Name (LQ02)	'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
Transaction Type	M	M	M	M	TT	01	Current Business (default)
						02	Authorized Contract Overrun
						03	Imbalance Payback from Transportation Service Provider
						04	Imbalance Payback to Transportation Service Provider
						05	Plant Thermal Reduction
						06	Storage Injection
						07	Storage Withdrawal
						08	Pooling
						12	Authorized Injection Overrun
						13	Authorized Withdrawal Overrun
						14	Extended Receipt/Delivery Service
						16	No-Notice Balancing
						17	No-Notice Pre-Injection
						18	Suspense Gas Claim
						19	Delivery of Claimed Suspense Gas
						22	No-Notice Service
						24	No-Notice Due Transportation Service Provider Balancing
						25	No-Notice Due Service Requester Balancing
						31	Meter Bounce
						41	Storage Inventory Cycling
						48	Authorized Point Overrun
						52	TSP Deficiency Credit
						53	SR Deficiency Credit
						54	Pool-to-Pool
						55	Backhaul
						56	Flow Day Diversion
Reduction Reason (see n4)	M	M	M	M	RED ~~RR~~	AFF	Processing Affidavit Non-Compliance
						AOK	All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required
						BMP	Quantity reduced due to bumping (see n2)
						CAP	Confirming Party's Capacity Constraint

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Element Name (LQ02)	Usage when ~~POC11~~CS05 = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
						CBL	Contract Balancing
						CCD	Pipeline Capacity Constraint at Delivery Location
						CCR	Pipeline Capacity Constraint at Receipt Location
						CPR	Confirming Party Reduction
						CRD	Confirmation Not Conducted by Downstream Confirming Party (see n3)
						CRE	Capacity Recalled
						CRI	Credit Issues
						CRN	Confirmation Response Not Received
						CRR	Confirmation Not Conducted by Upstream Confirming Party (see n3)
						CSP	Confirmation Not Conducted by Transportation Service Provider (see n3)
						ECM	Exceeded Contract MDQ
						EPM	Exceeded Point MDQ
						EPS	Elapsed-Prorated-Scheduled Quantity
						FMJ	Force Majeure
						GQS	Gas Quality Specifications Not Met
						MQD	Minimum Delivery Quantity could not be scheduled
						MQR	Minimum Receipt Quantity could not be scheduled
						NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination (see n3)
						NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination (see n3)
						PBD	Pipeline Balancing at Delivery Location
						PBR	Pipeline Balancing at Receipt Location
						PCC	Pipeline Capacity Constraint
						PCD	Confirming Party's Capacity Constraint at Delivery Location

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Element Name (LQ02)	Usage when ~~POC11~~CS05 = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
						PCR	Confirming Party's Capacity Constraint at Receipt Location
						PLC	Pipeline Curtailment
						PLM	Pipeline Maintenance
						PMD	Pipeline Maintenance at Delivery Location
						PMR	Pipeline Maintenance at Receipt Location
						PRD	Confirming Party Reduction at Delivery Location
						PRR	Confirming Party Reduction at Receipt Location
						QER	Quantity Exceeds MDQ of Associated Contract
						SRP	Storage Ratchet Provision
						012	No Corresponding Nomination
						013	No Corresponding Nomination at Receipt Location
						014	No Corresponding Nomination at Delivery Location
Reduction Reason (see n4)	MA	MA	MA	MA	REE ~~RX~~	AFF	Processing Affidavit Non-Compliance
						AOK	All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required
						BMP	Quantity reduced due to bumping
						CBL	Contract Balancing
						CAP	Confirming Party's Capacity Constraint
						CCD	Pipeline Capacity Constraint at Delivery Location
						CCR	Pipeline Capacity Constraint at Receipt Location
						CPR	Confirming Party Reduction
						CRD	Confirmation Not Conducted by Downstream Confirming Party
						CRE	Capacity Recalled
						CRI	Credit Issues
						CRN	Confirmation Response Not Received

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Element Name (LQ02)	Usage when ~~POC11~~CS05 = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
						CRR	Confirmation Not Conducted by Upstream Confirming Party
						CSP	Confirmation Not Conducted by Transportation Service Provider
						ECM	Exceeded Contract MDQ
						EPM	Exceeded Point MDQ
						EPS	Elapsed-Prorated-Scheduled Quantity
						FMJ	Force Majeure
						GQS	Gas Quality Specifications Not Met
						MQD	Minimum Delivery Quantity could not be scheduled
						MQR	Minimum Receipt Quantity could not be scheduled
						NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination
						NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination
						PBD	Pipeline Balancing at Delivery Location
						PBR	Pipeline Balancing at Receipt Location
						PCC	Pipeline Capacity Constraint
						PCD	Confirming Party's Capacity Constraint at Delivery Location
						PCR	Confirming Party's Capacity Constraint at Receipt Location
						PLC	Pipeline Curtailment
						PLM	Pipeline Maintenance
						PMD	Pipeline Maintenance at Delivery Location
						PMR	Pipeline Maintenance at Receipt Location
						PRD	Confirming Party Reduction at Delivery Location
						PRR	Confirming Party Reduction at Receipt Location
						QER	Quantity Exceeds MDQ of Associated Contract

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Element Name (LQ02)	Usage when ~~POC11~~CS05 = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
						SRP	Storage Ratchet Provision
						012	No Corresponding Nomination
						013	No Corresponding Nomination at Receipt Location
						014	No Corresponding Nomination at Delivery Location
Capacity Type Indicator	MA	MA	MA	MA	CT	PP	Primary to Primary
						PS	Primary to Secondary
						SS	Secondary to Secondary
						SP	Secondary to Primary
						IT	Interruptible
						TP	Tertiary to Primary
						TS	Tertiary to Secondary
Export Declaration	MA	MA	MA	MA	~~ED~~XD	GSTY	GST Export Declaration -- Yes
						GSTN	GST Export Declaration -- No
Nomination Subsequent Cycle Indicator	MA	MA	MA	MA	~~MC~~MCI	Y	Yes
						N	No
Processing Rights Indicator	MA	MA	MA	MA	PR	Y	Yes
						N	No

Notes:

n1 These data elements, with the exception of Reduction Reason, are not needed when the Nominator's Tracking ID is used. Reduction Reason (~~Elem 1000~~where LQ01 = "~~RR~~RED") is mandatory in all cases.

n2 This Reduction Reason should be sent to provide "Notice to Bumped Parties" pursuant to Standards 1.3.2.ii and 1.3.2.iii.

n3 Per Standard 1.3.22.iv, one of these Reduction Reasons should be sent if there is no response to a Request for Confirmation or an unsolicited Confirmation Response.

n4 If the receiver does not accept multiple Reduction Reasons, only the first occurrence of the Reduction Reason sent (~~Elem 1000~~where LQ01 = "~~RR~~RED") will be utilized. Since sending multiple Reduction Reasons is a mutually agreed practice, any additional occurrences of the Reduction Reason sent (~~Elem 1000~~where LQ01 = "~~RX~~REE") may be discarded. There may be a total of five Reduction Reasons sent (one ~~in Elem 1000~~where LQ01 = "~~RR~~RED" and up to four ~~in Elem 1000~~where LQ01 = "~~RX~~REE").

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail)

see n1

	Usage when ~~POC11~~CS05 =			

Element Name (N902)	'P'	'N'	'T'	'U'	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Package ID	C	C	C	C	~~PG~~PKG		~~Service Requester Package ID~~
Deal Type	C	C	C	C	~~DL~~PD		~~Deal Type~~
Associated Contract	C	C	C	C	~~AK~~KAS		~~Associated Contract ID~~
Service Provider's Activity Code	MA	MA	MA	MA	~~SA~~BE		~~Service Provider Activity Code~~
Nomination User Data 1	MA	MA	MA	MA	~~A1~~JD		~~Nomination User Data 1~~
Nomination User Data 2	MA	MA	MA	MA	~~A2~~Y8		~~Nomination User Data 2~~

Notes:

n1 These data elements~~, with the exception of Reduction Reason,~~ are not needed when the Nominator's Tracking ID is used. ~~Reduction Reason is mandatory in all cases.~~

~~n2 This Reduction Reason Code should be sent to provide "Notice to Bumped Parties" pursuant to Standards 1.3.2.ii and 1.3.2.iii.~~

~~n3 Per Standard 1.3.22.iv, one of these reduction Reason Codes should be sent if there is no response to a Request for Confirmation or an unsolicited Confirmation Response.~~

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~~SI 1000/234 Pairs~~LQ Segments (Sub-detail - N1 loop)

see n1

Element Name (LQ02)	Usage when ~~POC11~~CS05 = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	LQ02~~Elem 234~~ Description
Receipt Rank (Priority)	MA1 ~~MA~~	MA1	MA1 ~~MA~~	nu	R2	001 thru 999	Cut Last Cut First
Delivery Rank (Priority)	MA2 ~~MA~~	MA2	MA2 ~~MA~~	nu	R3	001 thru 999	Cut Last Cut First
Receipt Scheduling Status	MA1 ~~MA~~	MA1 ~~MA~~	MA1 ~~MA~~	MA1 ~~MA~~	RSS ~~RS~~	CAL CON NOM SCH	Capacity Allocated Confirmed Nominated Scheduled
Delivery Scheduling Status	MA2 ~~MA~~	MA2 ~~MA~~	MA2 ~~MA~~	MA2 ~~MA~~	DSS ~~DS~~	CAL CON NOM SCH	Capacity Allocated Confirmed Nominated Scheduled

Usage:

MA1 This element ~~will~~may only be used ~~when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').~~ in the upstream N1 loop (N101 = 'US').

MA2 This element ~~will~~may only be used ~~when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ')~~ in the downstream N1 loop (N101 = 'DW').

Notes:

n1 These data elements, with the exception of ~~Reduction Reason~~Receipt Scheduling Status and Delivery Scheduling Status, are not needed when the Nominator's Tracking ID is used. ~~Reduction Reason is mandatory in all cases.~~The usages of Receipt Scheduling Status and Delivery Scheduling Status are not contingent on the presence of the Nominator's Tracking ID.

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~~PO3~~QTY Segments (Sub-detail - N1 loop)

Element Name (~~PO306~~QTY02)	Usage when ~~POC11~~CS05 =				QTY01 ~~PO301~~
	'P'	'N'	'T'	'U'	
~~Fuel~~ Receipt Point Quantity	M1 ~~MA~~	C1 ~~MA~~	M1 ~~MA~~	C1 ~~MA~~	~~FE~~87
Delivery Point Quantity	M2~~M~~	C2~~nu~~	M2~~M~~	C2~~nu~~	~~ZZ~~QD
Distributed Confirmed Receipt Quantity	MA1~~M A~~	MA1~~M A~~	MA1~~M A~~	MA1~~M A~~	~~C2~~G8
Distributed Confirmed Delivery Quantity	MA2~~M A~~	MA2~~M A~~	MA2~~M A~~	MA2~~M A~~	~~C4~~G9

Usage:

M1 This element may only be used in the upstream N1 loop (N101 = 'US').

M2 This element may only be used in the downstream N1 loop (N101 = 'DW').

C1 This element may only be used in the upstream N1 loop (N101 = 'US').

C2 This element may only be used in the downstream N1 loop (N101 = 'DW').

MA1 This element may only be used in the upstream N1 loop (N101 = 'US').

MA2 This element may only be used in the downstream N1 loop (N101 = 'DW').

~~N1 Segments (Sub-detail)~~

~~see n1~~

~~Element Name (N104)~~	~~Usage when POC11 =~~				~~N101~~	~~N103~~	~~N103 Description~~
	~~'P'~~	~~'N'~~	~~'T'~~	~~'U'~~			
~~Downstream Identifier Code~~	~~M~~	~~C~~	~~nu~~	~~C~~	~~DW~~	~~1~~	~~D-U-N-S Number, Dun & Bradstreet~~
~~Receipt Location/Receipt Location Proprietary Code~~	~~M~~	~~C~~	~~M~~	~~C~~	~~M2~~	~~29~~ ~~ZY~~	~~GISB/PI Data Reference Number (see n2)~~ ~~Transportation Service Provider's proprietary code (see n2)~~
~~Delivery Location/Delivery Location Proprietary Code~~	~~M~~	~~C~~	~~M~~	~~C~~	~~MQ~~	~~29~~ ~~ZY~~	~~GISB/PI Data Reference Number (see n2)~~ ~~Transportation Service Provider's proprietary code (see n2)~~
~~Upstream Identifier Code~~	~~M~~	~~C~~	~~nu~~	~~C~~	~~US~~	~~1~~	~~D-U-N-S Number, Dun & Bradstreet~~

~~Notes:~~

~~n1 These data elements are not needed when the Nominator's Tracking ID is used.~~

~~n2 When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing~~

~~such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.~~

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DATA ELEMENT CROSS REFERENCE TO ASC X12

Usage Codes: M - Mandatory, C - Conditional, SO - Sender's Option, BC - Business Conditional, MA - Mutually Agreeable, nu - not used

Heading:

Segment	Usage without Confirmation Tracking Identifier	Usage with Confirmation Tracking Identifier	Segment Name/GISB Data Element Name
ST	M	M	Transaction Set Header
~~BC~~ABGN	M	M	Beginning Segment
DTM	M	M	Statement Date/Time
N1	M	M	Statement Recipient ID
N1	M	M	Preparer ID

Detail:

Segment	Usage without Confirmation Tracking Identifier	Usage with Confirmation Tracking Identifier	Segment Name/GISB Data Element Name
~~POC~~	~~C~~	~~C~~	~~Confirmation Service Contract~~
DTM	M	M	Beginning Date
	M	M	Beginning Time
	M	M	Ending Date
	M	M	Ending Time
~~N1~~LCD	M	M	Location/Location Proprietary Code
~~POC~~CS	C	C	Confirmation Service Contract
N1	C	C	Confirmation Service Identifier Code
Sub-detail:			
SLN	nu	M	Confirmation Tracking Identifier
	M	M	Quantity
~~SI~~	~~M~~	~~M~~	~~Contractual Flow Indicator~~
	~~C~~	~~nu~~	~~Downstream Contract Identifier~~
	~~C~~	~~nu~~	~~Upstream Contract Identifier~~
	~~C~~	~~C~~	~~Service Requester Contract~~
	~~C~~	~~nu~~	~~Upstream Package ID~~
	~~C~~	~~nu~~	~~Downstream Package ID~~
	~~C~~	~~nu~~	~~Package ID~~
	~~SO~~	~~SO~~	~~Reduction Reason~~
	~~MA~~	~~nu~~	~~Confirmation Subsequent Cycle Indicator~~
	~~MA~~	~~nu~~	~~Confirmation User Data 1~~
	~~MA~~	~~nu~~	~~Confirmation User Data 2~~
	~~MA~~	~~MA~~	~~Scheduling Status~~
LQ	M	M	Contractual Flow Indicator
LQ	SO	SO	Reduction Reason
LQ	MA	nu	Confirmation Subsequent Cycle Indicator
LQ	MA	MA	Scheduling Status

Segment	Usage without Confirmation Tracking Identifier	Usage with Confirmation Tracking Identifier	Segment Name/GISB Data Element Name
N9	C	nu	Package ID
N9	MA	nu	Confirmation User Data 1
N9	MA	nu	Confirmation User Data 2
~~N1~~	~~C~~	~~nu~~	~~Downstream Identifier Code~~
	~~C~~	~~nu~~	~~Upstream Identifier Code~~
	~~C~~	~~C~~	~~Service Requester~~
N1	C	nu	Upstream Identifier Code
N9	C	nu	Upstream Contract Identifier
N9	C	nu	Upstream Package ID
N1	C	nu	Downstream Identifier Code
N9	C	nu	Downstream Contract Identifier
N9	C	nu	Downstream Package ID
N1	C	C	Service Requester
N9	C	C	Service Requester Contract

Summary:

Segment	Usage without Confirmation Tracking Identifier	Usage with Confirmation Tracking Identifier	Segment Name/GISB Data Element Name
~~CTT~~	~~M~~	~~M~~	~~Transaction Totals~~
SE	M	M	Transaction Set Trailer

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SAMPLE ASC X12 TRANSACTION

Without utilization of the Confirmation Tracking Identifier:

ST*865873*234567890
BCA*00**14029***970401******S2
BGN*00*1*19970401****Q2
DTM*102*****DT*199601311630
N1*40**1*144077008
N1*P141**1*246801357
POC*00001*OC******CR*C-1125
DTM*007*****RDT*199705230900-199707160900
N1LCD*1*MQLCN***29DR*R11111111
CS*C-1125
N1*B2CNS**1*012345678
SLN*000001N/A*1*I*100*BZ
SI*CF*R*CR*K1234*PG*12
LQ*CFI*R
N9*PKG*12
N1*US**1*123456789
N1*78**1*478935021
N9*KSR*K1234
SLN*000002N/A*2*I*50*BZ
SI*CF*R*CR*K1234*PG*47
LQ*CFI*R
N9*PKG*47
N1*US**1*123456780
N1*78**1*478935021
N9*KSR*K1234
POC*00002*OC******CR*C-1125
DTM*007*****RDT*199705230900-199707160900
N1LCD*1*MQLCN***29DR*D11111111
CS*C-1125
N1*B2CNS**1*012345678
SLN*000001N/A*3*I*95*BZ
SI*CF*D*CR*K1234*PG*12
LQ*CFI*D
N9*PKG*12
N1*DW**1*987654321
N1*78**1*478935021
N9*KSR*K1234
POC*00001*OC******CR*C-1125
DTM*007*****RDT*199705230900-199707160900
N1LCD*1*MQLCN***29DR*D22222222
CS*C-1125
N1*B2CNS**1*012345678
SLN*000001N/A*4*I*48*BZ
SI*CF*D*CR*K1234*PG*47
LQ*CFI*D
N9*PKG*47
N1*DW**1*987654320
N1*78**1*478935021
N9*KSR*K1234
CTT*1
SE*3542*234567890

SAMPLE ASC X12 TRANSACTION (cont.)

With utilization of the Confirmation Tracking Identifier:

ST*~~865~~873*234567890
~~BCA*00**14029***970401******S2~~
BGN*00*1*19970401****Q2
DTM*102*****DT*199601311630
N1*40**1*144077008
N1*~~P~~141**1*246801357
~~POC*00001*OC******CR*C-1125~~
DTM*007*****RDT*199705230900-199707160900
~~N1~~LCD*1*~~MQ~~LCN***~~29~~DR*R11111111
CS*C-1125
N1*~~B2~~CNS**1*012345678
SLN*~~000001*~~1**I*100*BZ
~~SI*CF*R*CR*K1234~~
LQ*CFI*R
N1*78**1*478935021
N9*KSR*K1234
SLN*~~000002*~~2**I*50*BZ
~~SI*CF*R*CR*K1234~~
LQ*CFI*R
N1*78**1*478935021
N9*KSR*K1234
~~POC*00002*OC******CR*C-1125~~
DTM*007*****RDT*199705230900-199707160900
~~N1~~LCD*1*~~MQ~~LCN***~~29~~DR*D11111111
CS*C-1125
N1*~~B2~~CNS**1*012345678
SLN*~~000001*~~3**I*95*BZ
~~SI*CF*D*CR*K1234~~
LQ*CFI*D
N1*78**1*478935021
N9*KSR*K1234
~~POC*00001*OC******CR*C-1125~~
DTM*007*****RDT*199705230900-199707160900
~~N1~~LCD*1*~~MQ~~LCN***~~29~~DR*D22222222
CS*C-1125
N1*~~B2~~CNS**1*012345678
SLN*~~000001*~~4**I*48*BZ
~~SI*CF*D*CR*K1234~~
LQ*CFI*D
N1*78**1*478935021
N9*KSR*K1234
~~CTT*1~~
SE*~~31~~34*234567890

TRANSACTION SET TABLES

N1 Segments (Detail)

Element Name (N104)	Usage	N101	N103	N103 Description
Location/Location Proprietary Code	M	MQ	29 ZY	GISB/PI Data Reference Number (see n1) Transportation Service Provider's proprietary code (see n1)
Confirmation Service Identifier Code	C	B2	1	D-U-N-S Number, Dun & Bradstreet

Notes:

n1 When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.

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SI 1000/234 Pairs (Sub-detail)

see n1

Element Name	Usage	Elem 1000	Elem 234	Elem 234 Description
Contractual Flow Indicator	M	CF	R	Receipt
			D	Delivery
Downstream Contract Identifier	C	DK		Downstream Contract ID
Upstream Contract Identifier	C	UK		Upstream Contract ID
Service Requester Contract	C	CR		Service Requester Contract ID
Package ID	C	PG		Package ID
Upstream Package ID	C	UP		Upstream Package ID
Downstream Package ID	C	DP		Downstream Package ID
Confirmation Subsequent Cycle Indicator	MA	MC	Y	Yes
			N	No
Confirmation User Data 1	MA	C1		Confirmation User Data 1
Confirmation User Data 2	MA	C2		Confirmation User Data 2
Reduction Reason	SO	RR	AOK	All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required.
			AFF	Processing Affidavit Non-Compliance
			BMP	Quantity reduced due to bumping
			CAP	Confirming Partys Capacity Constraint
			CBL	Contract Balancing
			CCD	Pipeline Capacity Constraint at Delivery Location
			CCR	Pipeline Capacity Constraint at Receipt Location
			CPR	Confirming Party Reduction
			CRD	Confirmation Not Conducted by Downstream Confirming Party
			CRE	Capacity Recalled
			CRI	Credit Issues
			CRN	Confirmation Response Not Received
			CRR	Confirmation Not Conducted by Upstream Confirming Party
			CSP	Confirmation Not Conducted by Transportation Service Provider

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Element Name	Usage	Elem 1000	Elem 234	Elem 234 Description
			ECM	Exceeded Contract MDQ
			EPM	Exceeded Point MDQ
			EPS	Elapsed-Prorated-Scheduled Quantity
			FMJ	Force Majeure
			GQS	Gas Quality Specifications Not Met
			MQS	Confirmation quantity could not be scheduled due to a minimum quantity specified by the service requester
			NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination
			NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination
			PCC	Pipeline Capacity Constraint
			PCD	Confirming Partys Capacity Constraint at Delivery Location
			PCR	Confirming Partys Capacity Constraint at Receipt Location
			PLC	Pipeline Curtailment
			PLM	Pipeline Maintenance
			PMD	Pipeline Maintenance at Delivery Location
			PMR	Pipeline Maintenance at Receipt Location
			PRD	Confirming Party Reduction at Delivery Location
			PRR	Confirming Party Reduction at Receipt Location
			QER	Quantity Exceeds MDQ of Associated Contract
			SRP	Storage Ratchet Provision
			012	No Corresponding Nomination
			013	No Corresponding Nomination at Receipt Location
			014	No Corresponding Nomination at Delivery Location
Scheduling Status	MA	SS	CAL	Capacity Allocated
			CON	Confirmed
			NOM	Nominated
			SCH	Scheduled

Notes:

~~n1 These data elements, with the exception of Contractual Flow Indicator, Service Requester Contract and Reduction Reason, are not needed when the Confirmation Tracking Identifier is used. The usages of Contractual Flow Indicator, Service Requester Contract and Reduction Reason are not contingent on the presence of the Confirmation Tracking Identifier.~~

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail)

see n1

Element Name (LQ02)	Usage	~~Elem 1000~~LQ01	~~Elem 234~~LQ02	~~Elem 234~~ LQ02 Description
Contractual Flow Indicator	M	~~CF~~CFI	R	Receipt
			D	Delivery
Reduction Reason	SO	~~RR~~RED	AOK	All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required.
			AFF	Processing Affidavit Non-Compliance
			BMP	Quantity reduced due to bumping
			CAP	Confirming Party-s Capacity Constraint
			CBL	Contract Balancing
			CCD	Pipeline Capacity Constraint at Delivery Location
			CCR	Pipeline Capacity Constraint at Receipt Location
			CPR	Confirming Party Reduction
			CRD	Confirmation Not Conducted by Downstream Confirming Party
			CRE	Capacity Recalled
			CRI	Credit Issues
			CRN	Confirmation Response Not Received
			CRR	Confirmation Not Conducted by Upstream Confirming Party
			CSP	Confirmation Not Conducted by Transportation Service Provider
			ECM	Exceeded Contract MDQ
			EPM	Exceeded Point MDQ
			EPS	Elapsed-Prorated-Scheduled Quantity
			FMJ	Force Majeure
			GQS	Gas Quality Specifications Not Met

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Element Name (LQ02)	Usage	~~Elem 1000~~LQ01	~~Elem 234~~LQ02	~~Elem 234~~ LQ02 Description
			MQS	Confirmation quantity could not be scheduled due to a minimum quantity specified by the service requester
			NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination
			NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination
			PCC	Pipeline Capacity Constraint
			PCD	Confirming Party's Capacity Constraint at Delivery Location
			PCR	Confirming Party's Capacity Constraint at Receipt Location
			PLC	Pipeline Curtailment
			PLM	Pipeline Maintenance
			PMD	Pipeline Maintenance at Delivery Location
			PMR	Pipeline Maintenance at Receipt Location
			PRD	Confirming Party Reduction at Delivery Location
			PRR	Confirming Party Reduction at Receipt Location
			QER	Quantity Exceeds MDQ of Associated Contract
			SRP	Storage Ratchet Provision
			012	No Corresponding Nomination
			013	No Corresponding Nomination at Receipt Location
			014	No Corresponding Nomination at Delivery Location
Confirmation Subsequent Cycle Indicator	MA	~~MC~~MCI	Y	Yes
			N	No
Scheduling Status	MA	~~SS~~LSS	CAL	Capacity Allocated
			CON	Confirmed
			NOM	Nominated
			SCH	Scheduled

Notes:

n1 These data elements, with the exception of Contractual Flow Indicator, ~~Service Requester Contract and~~ Reduction Reason, and Scheduling Status, are not needed when the Confirmation Tracking Identifier is used. The usages of Contractual Flow Indicator, ~~Service Requester Contract and~~ Reduction Reason, and Scheduling Status are not contingent on the presence of the Confirmation Tracking Identifier.

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail)

see n1

Element Name (N902)	Usage	~~Elem 1000~~N901	~~Elem 234~~	~~Elem 234 Description~~
Package ID	C	~~PG~~PKG		~~Package ID~~
Confirmation User Data 1	MA	~~C1~~JD		~~Confirmation User Data 1~~
Confirmation User Data 2	MA	~~C2~~Y8		~~Confirmation User Data 2~~

Notes:

n1 These data elements~~, with the exception of Contractual Flow Indicator, Service Requester Contract and Reduction Reason,~~ are not needed when the Confirmation Tracking Identifier is used. ~~The usages of Contractual Flow Indicator, Service Requester Contract and Reduction Reason are not contingent on the presence of the Confirmation Tracking Identifier.~~

~~N1 Segments (Sub-detail)~~

~~see n1~~

~~Element Name (N104)~~	~~Usage~~	~~N101~~	~~N103~~
~~Downstream Identifier Code~~	~~C~~	~~DW~~	~~1~~
~~Upstream Identifier Code~~	~~C~~	~~US~~	~~1~~
~~Service Requester~~	~~C~~	~~78~~	~~1~~

~~Notes:~~

~~n1 These data elements, with the exception of Service Requester, are not needed when the Confirmation Tracking Identifier is used. The usage of Service Requester is not contingent on the presence of the Confirmation Tracking Identifier.~~

DRAFT DRAFT DRAFT DRAFT DRAFT

873 Commodity Movement Services

Functional Group ID=CU

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Commodity Movement Services Transaction Set (873) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to convey request and response information for commodity movement services. This transaction is not to be used for product sales or purchases.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
M	0400	DTM	Date/Time Reference	O	1		
			LOOP ID - N1			>1	
M	0500	N1	Name	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - DTM			>1	
M	0100	DTM	Date/Time Reference	M	1		
			LOOP ID - CS			1	
M	0500	CS	Contract Summary	O	1		
			LOOP ID - SLN			>1	
M	0700	SLN	Subline Item Detail	M	1		
M	0800	LQ	Industry Code	M	>1		
	0900	N9	Reference Identification	O	>1		
			LOOP ID - N1			>1	
M	1100	N1	Name	O	1		
M	1200	LCD	Place/Location Description	O	1		
	1300	N9	Reference Identification	O	>1		
	1400	LQ	Industry Code	O	>1		
M	1500	QTY	Quantity	O	>1		
M	1600	SE	Transaction Set Trailer	M	1		

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Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			873 Commodity Movement Services	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **BGN** **Beginning Segment**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BGN01**	**353**	**Transaction Set Purpose Code**	**M ID 2/2**
			00 Original	
M	**BGN02**	**127**	**Reference Identification**	**M AN 1/50**
M	**BGN03**	**373**	**Date**	**M DT 8/8**
M	**BGN07**	**640**	**Transaction Type Code**	**O ID 2/2**
			G1 Nomination	

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Segment: **DTM** **Date/Time Reference**
Position: 0400
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier**		**M**	**ID 3/3**
			102	Issue		
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X**	**ID 2/3**
			DT	Date and Time Expressed in Format CCYYMMDDHHMM		
M	**DTM06**	**1251**	**Date Time Period**		**X**	**AN 1/35**
			Time Stamp			

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 0500
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Notes: *For GISB, this segment should occur once for each value in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			78	Service Requester		
			SJ	Service Provider		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Transportation Service Provider, Service Requester			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **DTM** **Date/Time Reference**
Position: 0100
Loop: DTM Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**		**M ID 3/3**
			007	Effective	
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X ID 2/3**
			DDT	Range of Dates and Time, Expressed in CCYYMMDD-CCYYMMDDHHMM *This code designates the "gas day" on which the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 20010401-200105010900.*	
			DTD	Range of Dates and Time, Expressed in CCYYMMDDHHMM-CCYYMMDD *This code designates the instance in time when the transaction is to be initiated through the "gas day" on which the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-20010430.*	
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD *This code designates the range of "gas days" in which the transaction will occur. For example, the entire month of April 2001 would be stated as 20010401-20010430.*	
			RDT	Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM *This code designates the instance in time when the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-200105010900.*	
M	**DTM06**	**1251**	**Date Time Period**		**X AN 1/35**
			Beginning Date, Beginning Time, Ending Date, Ending Time		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: CS **Contract Summary**
Position: 0500
Loop: CS Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CS01**	**367**	**Contract Number** *Service Requester Contract*	**O AN 1/30**
M	**CS04**	**128**	**Reference Identification Qualifier** NMT Nomination Model Type	**X ID 2/3**
M	**CS05**	**127**	**Reference Identification** *Model Type* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.* N Non-Pathed Model P Pathed Model T Pathed Non-Threaded Model (Threaded Segment) *The usage of a Pathed Non-Threaded (Threaded Segment) transaction is only appropriate when sent with the corresponding Pathed Non-Threaded (Un-threaded Segment) transactions (CS05 = 'U').* U Pathed Non-Threaded Model (Un-threaded Segment) *The usage of a Pathed Non-Threaded (Un-threaded Segment) transaction is only appropriate when sent with the corresponding Pathed Non-Threaded (Threaded Segment) transactions (CS05 = 'T').*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **SLN** **Subline Item Detail**
Position: 0700
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SLN01**	**350**	**Assigned Identification** *Nominator's Tracking ID* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**M**	**AN 1/11**
M	**SLN03**	**662**	**Relationship Code** I Included	**M**	**ID 1/1**
	SLN06	**212**	**Unit Price** *Bid Transportation Rate* *For GISB, this element is business conditional.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X**	**R 1/14**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LQ** **Industry Code**
Position: 0800
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Quantity Type Indicator, Transaction Type, Capacity Type Indicator, Nomination Subsequent Cycle Indicator, Export Declaration, Bid Up Indicator, Processing Rights Indicator, Maximum Rate Indicator* *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N9** **Reference Identification**
Position: 0900
Loop: SLN Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is sender's option.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Package ID, Associated Contract, Service Provider's Activity Code, Deal Type, Nomination User Data 1, Nomination User Data 2* *Refer to "N9 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 1100
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory and should be sent for at least one of the values in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N101**	**98**	**Entity Identifier Code**		**M ID 2/3**
			DW	Downstream Party	
			US	Upstream Party	
M	**N103**	**66**	**Identification Code Qualifier**		**X ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet	
			ZZ	Mutually Defined	
				For GISB, this code value is used when Model Type is Pathed Non-Threaded (Threaded Segment) (CS05 = 'T').	
M	**N104**	**67**	**Identification Code**		**X AN 2/17**
			Upstream Identifier Code, Downstream Identifier Code		
			For GISB, the Upstream Identifier Code and Downstream Identifier Code are not used when the Model Type is Pathed Non-Threaded (Threaded Segment) (CS05 = 'T'). In this case, send "N/A".		
			The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LCD** **Place/Location Description**
Position: 1200
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory and should be sent for at least one of the values in the LCD02 element.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LCD01**	**350**	**Assigned Identification**	**M AN 1/20**
M	**LCD02**	**98**	**Entity Identifier Code**	**O ID 2/3**
			M2 Receipt Location *For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').* MQ Delivery Location *For GISB, this code value may only be used in the downstream N1 loop (N101 = 'DW').*	
M	**LCD05**	**66**	**Identification Code Qualifier** *When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.* DR Gas Industry Standards Board (GISB) Data Reference Number (DRN) *For GISB, this code value may only be used when sending the Receipt Location or Delivery Location.* SV Service Provider Number *For GISB, this code value may only be used when sending the Receipt Location Proprietary Code or Delivery Location Proprietary Code.*	**X ID 1/2**
M	**LCD06**	**67**	**Identification Code** *Receipt Location/Receipt Location Proprietary Code, Delivery Location/Delivery Location Proprietary Code* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 2/17**

Segment: **N9** **Reference Identification**
Position: 1300
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is business conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Upstream Contract Identifier, Downstream Contract Identifier, Upstream Package ID, Downstream Package ID* *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LQ** **Industry Code**
Position: 1400
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is sender's option.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Receipt Rank (Priority), Delivery Rank (Priority), Upstream Rank (Priority), Downstream Rank (Priority)* *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **QTY** **Quantity**
Position: 1500
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: >1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**QTY01**	**673**	**Quantity Qualifier** *Refer to "QTY Segments (Sub-detail - N1 loop)" table for usage and values.*	**M ID 2/2**
M	**QTY02**	**380**	**Quantity** *Quantity, Delivered Quantity, Minimum Receipt Quantity, Minimum Delivery Quantity* *Refer to "QTY Segments (Sub-detail - N1 loop)" table for usage and values.*	**X R 1/15**
M	**QTY03**	**C001**	**Composite Unit of Measure**	**O**
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M ID 2/2**
			BZ Million BTU's	
			G8 Gigacalories	
			GV Gigajoules	

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **SE** **Transaction Set Trailer**
Position: 1600
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

873 Commodity Movement Services

Functional Group ID=CU

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Commodity Movement Services Transaction Set (873) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to convey request and response information for commodity movement services. This transaction is not to be used for product sales or purchases.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
			LOOP ID - N1			>1	
M	0500	N1	Name	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - DTM			>1	
M	0100	DTM	Date/Time Reference	M	1		
M	0400	LCD	Place/Location Description	O	1		
			LOOP ID - CS			1	
	0500	CS	Contract Summary	O	1		
	0600	N1	Name	O	>1		
			LOOP ID - SLN			>1	
M	0700	SLN	Subline Item Detail	M	1		
M	0800	LQ	Industry Code	M	>1		
	0900	N9	Reference Identification	O	>1		
			LOOP ID - N1			>1	
M	1100	N1	Name	O	1		
	1300	N9	Reference Identification	O	>1		
	1400	LQ	Industry Code	O	>1		
M	1600	SE	Transaction Set Trailer	M	1		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			873 Commodity Movement Services	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **BGN** **Beginning Segment**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BGN01**	**353**	**Transaction Set Purpose Code** 00 Original	**M ID 2/2**
M	**BGN02**	**127**	**Reference Identification** *Transaction Identifier* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**M AN 1/22**
M	**BGN03**	**373**	**Date**	**M DT 8/8**
M	**BGN07**	**640**	**Transaction Type Code** G2 Request for Confirmation	**O ID 2/2**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 0500
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Notes: *For GISB, this segment should occur once for each value in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			CNP	Confirming Party		
			CNR	Confirmation Requester		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Confirming Party, Confirmation Requester			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **DTM** **Date/Time Reference**
Position: 0100
Loop: DTM Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**		**M ID 3/3**
			007	Effective	
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X ID 2/3**
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD *This code designates the range of "gas days" in which the transaction will occur. For example, the entire month of April 2001 would be stated as 20010401-20010430.*	
			RDT	Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM *This code designates the instance in time when the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-200105010900.*	
M	**DTM06**	**1251**	**Date Time Period**		**X AN 1/35**
			Beginning Date, Beginning Time, Ending Date, Ending Time		

DRAFT

Segment: **LCD** **Place/Location Description**
Position: 0400
Loop: DTM Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**LCD01**	**350**	**Assigned Identification**		**M**	**AN 1/20**
M	**LCD02**	**98**	**Entity Identifier Code**		**O**	**ID 2/3**
			LCN	Gas Nomination Location		
M	**LCD05**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.			
			DR	Gas Industry Standards Board (GISB) Data Reference Number (DRN) *For GISB, this code value may only be used when sending the Location.*		
			SV	Service Provider Number *For GISB, this code value may only be used when sending the Location Proprietary Code.*		
M	**LCD06**	**67**	**Identification Code** *Location/Location Proprietary Code* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**X**	**AN 2/17**

DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: CS **Contract Summary**
Position: 0500
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is business conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CS01**	**367**	**Contract Number** *Confirmation Service Contract*	**O AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 0600
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			CNS Confirmation Service Identifier Code		
M	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			1 D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**	**X**	**AN 2/17**
			Confirmation Service Identifier Code		

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **SLN** **Subline Item Detail**
Position: 0700
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**SLN01**	**350**	**Assigned Identification** *Confirmation Tracking Identifier* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**M**	**AN 1/11**
M	**SLN03**	**662**	**Relationship Code**		**M**	**ID 1/1**
			I	Included		
M	**SLN04**	**380**	**Quantity** *Quantity*		**X**	**R 1/15**
M	**SLN05**	**C001**	**Composite Unit of Measure**		**X**	
M	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			BZ	Million BTU's		
			G8	Gigacalories		
			GV	Gigajoules		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LQ** **Industry Code**
Position: 0800
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Contractual Flow Indicator, Confirmation Subsequent Cycle Indicator* *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N9** **Reference Identification**
Position: 0900
Loop: SLN Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Package ID, Associated Contract, Confirmation User Data 1, Confirmation User Data 2* *Refer to "N9 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 1100
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** *Refer to "N1 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N103**	**66**	**Identification Code Qualifier** *Refer to "N1 Segments (Sub-detail)" table for usage and values.*	**X ID 1/2**
M	**N104**	**67**	**Identification Code** *Service Requester, Upstream Identifier Code, Downstream Identifier Code* *Refer to "N1 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 2/17**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N9** **Reference Identification**
Position: 1300
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is business conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Service Requester Contract, Upstream Contract Identifier, Downstream Contract Identifier, Upstream Package ID, Downstream Package ID* *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LQ** **Industry Code**
Position: 1400
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is mutually agreed.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Receipt Rank (Priority), Delivery Rank (Priority)* *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **SE** **Transaction Set Trailer**
Position: 1600
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

873 Commodity Movement Services

Functional Group ID=CU

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Commodity Movement Services Transaction Set (873) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to convey request and response information for commodity movement services. This transaction is not to be used for product sales or purchases.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
			LOOP ID - N1			>1	
M	0500	N1	Name	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - DTM			>1	
M	0100	DTM	Date/Time Reference	M	1		
	0300	LQ	Industry Code	O	>1		
M	0400	LCD	Place/Location Description	O	1		
			LOOP ID - CS			1	
	0500	CS	Contract Summary	O	1		
	0600	N1	Name	O	>1		
			LOOP ID - SLN			>1	
M	0700	SLN	Subline Item Detail	M	1		
M	0800	LQ	Industry Code	M	>1		
	0900	N9	Reference Identification	O	>1		
			LOOP ID - N1			>1	
M	1100	N1	Name	O	1		
	1300	N9	Reference Identification	O	>1		
	1400	LQ	Industry Code	O	>1		
M	1600	SE	Transaction Set Trailer	M	1		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			873 Commodity Movement Services	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **BGN** **Beginning Segment**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BGN01**	**353**	**Transaction Set Purpose Code** 00 Original	**M ID 2/2**
M	**BGN02**	**127**	**Reference Identification** *Transaction Identifier* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**M AN 1/22**
M	**BGN03**	**373**	**Date**	**M DT 8/8**
M	**BGN07**	**640**	**Transaction Type Code** G3 Confirmation Response	**O ID 2/2**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 0500
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Notes: *For GISB, this segment should occur once for each value in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			CNP	Confirming Party		
			CNR	Confirmation Requester		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Confirming Party, Confirmation Requester			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **DTM** **Date/Time Reference**
Position: 0100
Loop: DTM Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**		**M ID 3/3**
			007	Effective	
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X ID 2/3**
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD *This code designates the range of "gas days" in which the transaction will occur. For example, the entire month of April 2001 would be stated as 20010401-20010430.*	
			RDT	Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM *This code designates the instance in time when the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-200105010900.*	
M	**DTM06**	**1251**	**Date Time Period**		**X AN 1/35**
			Beginning Date, Beginning Time, Ending Date, Ending Time		

DRAFT

Segment: **LQ** **Industry Code**
Position: 0300
Loop: DTM Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is sender's option.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** RED Reduction Reason Code	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Reduction Reason* *Refer to "LQ Segments (Detail)" table for usage and values.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LCD** **Place/Location Description**
Position: 0400
Loop: DTM Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**LCD01**	**350**	**Assigned Identification**		**M**	**AN 1/20**
M	**LCD02**	**98**	**Entity Identifier Code**		**O**	**ID 2/3**
			LCN	Gas Nomination Location		
M	**LCD05**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.			
			DR	Gas Industry Standards Board (GISB) Data Reference Number (DRN) *For GISB, this code value may only be used when sending the Location.*		
			SV	Service Provider Number *For GISB, this code value may only be used when sending the Location Proprietary Code.*		
M	**LCD06**	**67**	**Identification Code** *Location/Location Proprietary Code* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**X**	**AN 2/17**

DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: CS **Contract Summary**
Position: 0500
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is business conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CS01**	**367**	**Contract Number** *Confirmation Service Contract*	**O AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 0600
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			CNS Confirmation Service Identifier Code		
M	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			1 D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**	**X**	**AN 2/17**
			Confirmation Service Identifier Code		

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **SLN** **Subline Item Detail**
Position: 0700
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**SLN01**	**350**	**Assigned Identification** *Confirmation Tracking Identifier* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**M**	**AN 1/11**
M	**SLN03**	**662**	**Relationship Code**		**M**	**ID 1/1**
			I	Included		
M	**SLN04**	**380**	**Quantity** *Quantity*		**X**	**R 1/15**
M	**SLN05**	**C001**	**Composite Unit of Measure**		**X**	
M	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			BZ	Million BTU's		
			G8	Gigacalories		
			GV	Gigajoules		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LQ** **Industry Code**
Position: 0800
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Contractual Flow Indicator, Confirmation Subsequent Cycle Indicator, Reduction Reason, Solicited/Unsolicited Indicator* *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N9** **Reference Identification**
Position: 0900
Loop: SLN Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Package ID, Associated Contract, Confirmation User Data 1, Confirmation User Data 2* *Refer to "N9 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 1100
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** *Refer to "N1 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N103**	**66**	**Identification Code Qualifier** *Refer to "N1 Segments (Sub-detail)" table for usage and values.*	**X ID 1/2**
M	**N104**	**67**	**Identification Code** *Service Requester, Upstream Identifier Code, Downstream Identifier Code* *Refer to "N1 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 2/17**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N9** **Reference Identification**
Position: 1300
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is business conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Service Requester Contract, Upstream Contract Identifier, Downstream Contract Identifier, Upstream Package ID, Downstream Package ID* *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LQ** **Industry Code**
Position: 1400
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is mutually agreed.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Receipt Rank (Priority), Delivery Rank (Priority)* *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **SE** **Transaction Set Trailer**
Position: 1600
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

873 Commodity Movement Services

Functional Group ID=CU

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Commodity Movement Services Transaction Set (873) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to convey request and response information for commodity movement services. This transaction is not to be used for product sales or purchases.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
M	0400	DTM	Date/Time Reference	O	1		
			LOOP ID - N1			>1	
M	0500	N1	Name	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - DTM			>1	
M	0100	DTM	Date/Time Reference	M	1		
			LOOP ID - CS			1	
M	0500	CS	Contract Summary	O	1		
			LOOP ID - SLN			>1	
M	0700	SLN	Subline Item Detail	M	1		
M	0800	LQ	Industry Code	M	>1		
	0900	N9	Reference Identification	O	>1		
			LOOP ID - N1			>1	
M	1100	N1	Name	O	1		
	1200	LCD	Place/Location Description	O	1		
	1300	N9	Reference Identification	O	>1		
	1400	LQ	Industry Code	O	>1		
	1500	QTY	Quantity	O	>1		
M	1600	SE	Transaction Set Trailer	M	1		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			873 Commodity Movement Services	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **BGN** **Beginning Segment**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**BGN01**	**353**	**Transaction Set Purpose Code**		**M**	**ID 2/2**
			00	Original		
M	**BGN02**	**127**	**Reference Identification**		**M**	**AN 1/50**
M	**BGN03**	**373**	**Date**		**M**	**DT 8/8**
M	**BGN07**	**640**	**Transaction Type Code**		**O**	**ID 2/2**
			Q1	Scheduled Quantity		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **DTM** **Date/Time Reference**
Position: 0400
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier**		**M**	**ID 3/3**
			102	Issue		
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X**	**ID 2/3**
			DT	Date and Time Expressed in Format CCYYMMDDHHMM		
M	**DTM06**	**1251**	**Date Time Period**		**X**	**AN 1/35**
			Statement Date/Time			

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 0500
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Notes: *For GISB, this segment should occur once for each value in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			78	Service Requester		
			SJ	Service Provider		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Transportation Service Provider, Service Requester			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **DTM** **Date/Time Reference**
Position: 0100
Loop: DTM Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**		**M ID 3/3**
			007	Effective	
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X ID 2/3**
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD *This code designates the range of "gas days" in which the transaction will occur. For example, the entire month of April 2001 would be stated as 20010401-20010430.*	
			RDT	Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM *This code designates the instance in time when the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-200105010900.*	
M	**DTM06**	**1251**	**Date Time Period**		**X AN 1/35**
			Beginning Date, Beginning Time, Ending Date, Ending Time		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **CS** **Contract Summary**
Position: 0500
Loop: CS Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CS01**	**367**	**Contract Number** *Service Requester Contract*	**O AN 1/30**
M	**CS04**	**128**	**Reference Identification Qualifier** NMT Nomination Model Type	**X ID 2/3**
M	**CS05**	**127**	**Reference Identification** *Model Type* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.* N Non-Pathed Model P Pathed Model T Pathed Non-Threaded Model (Threaded Segment) *The usage of a Pathed Non-Threaded (Threaded Segment) transaction is only appropriate when sent with the corresponding Pathed Non-Threaded (Un-threaded Segment) transactions (CS05 = 'U').* U Pathed Non-Threaded Model (Un-threaded Segment) *The usage of a Pathed Non-Threaded (Un-threaded Segment) transaction is only appropriate when sent with the corresponding Pathed Non-Threaded (Threaded Segment) transactions (CS05 = 'T').*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **SLN** **Subline Item Detail**
Position: 0700
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**SLN01**	**350**	**Assigned Identification** *Nominator's Tracking ID* *For GISB, when Nominator's Tracking ID is not used, send "N/A".* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**M**	**AN 1/11**
M	**SLN03**	**662**	**Relationship Code**		**M**	**ID 1/1**
			I	Included		
	SLN04	**380**	**Quantity** *Fuel Quantity* *For GISB, this element is mutually agreed.*		**X**	**R 1/15**
	SLN05	**C001**	**Composite Unit of Measure**		**X**	
M	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			BZ	Million BTU's		
			G8	Gigacalories		
			GV	Gigajoules		
	SLN06	**212**	**Unit Price** *Bid Transportation Rate* *For GISB, this element is conditional.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**X**	**R 1/14**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LQ** **Industry Code**
Position: 0800
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Notes: *For GISB, these data elements, with the exception of Reduction Reason, are not needed when the Nominator's Tracking ID is used. Reduction Reason is mandatory in all cases.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Reduction Reason, Transaction Type, Capacity Type Indicator, Nomination Subsequent Cycle Indicator, Export Declaration, Processing Rights Indicator* *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N9** **Reference Identification**
Position: 0900
Loop: SLN Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional. However, these data elements are not needed when the Nominator's Tracking ID is used.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Package ID, Associated Contract, Service Provider's Activity Code, Deal Type, Nomination User Data 1, Nomination User Data 2* *Refer to "N9 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 1100
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory and should be sent for at least one of the values in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			DW	Downstream Party		
			US	Upstream Party		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
			ZZ	Mutually Defined		
				For GISB, this code value is used when the Nominator's Tracking ID is sent, or when the Model Type is Pathed Non-Threaded (Threaded Segment) (CS05 = 'T').		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Upstream Identifier Code, Downstream Identifier Code			
			For GISB, the Upstream Identifier Code and Downstream Identifier Code are not needed when the Nominator's Tracking ID is used, or when the Model Type is Pathed Non-Threaded (Threaded Segment) (CS05 = 'T'). In these cases, send "N/A".			
			The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.			

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LCD** **Place/Location Description**
Position: 1200
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is mandatory and should be sent for at least one of the values in the LCD02 element. However, these data elements are not needed when the Nominator's Tracking ID is used.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LCD01**	**350**	**Assigned Identification**	**M AN 1/20**
M	**LCD02**	**98**	**Entity Identifier Code**	**O ID 2/3**
			M2 Receipt Location *For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').* MQ Delivery Location *For GISB, this code value may only be used in the downstream N1 loop when (N101 = 'DW').*	
M	**LCD05**	**66**	**Identification Code Qualifier** *When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.* DR Gas Industry Standards Board (GISB) Data Reference Number (DRN) *For GISB, this code value may only be used when sending the Receipt Location or Delivery Location.* SV Service Provider Number *For GISB, this code value may only be used when sending the Receipt Location Proprietary Code or Delivery Location Proprietary Code.*	**X ID 1/2**
M	**LCD06**	**67**	**Identification Code** *Receipt Location/Receipt Location Proprietary Code, Delivery Location/Delivery Location Proprietary Code* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 2/17**

Segment: **N9** **Reference Identification**
Position: 1300
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional. However, these data elements are not needed when the Nominator's Tracking ID is used.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N901**	**128**	**Reference Identification Qualifier**		**M ID 2/3**
			DT	Downstream Shipper Contract Number	
				For GISB, this code value may only be used in the downstream N1 loop (N101 = 'DW').	
			PGD	Downstream Package Identifier	
				For GISB, this code value may only be used in the downstream N1 loop (N101 = 'DW').	
			PKU	Upstream Package Identifier	
				For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').	
			UP	Upstream Shipper Contract Number	
				For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').	
M	**N902**	**127**	**Reference Identification**		**X AN 1/30**
			Upstream Contract Identifier, Downstream Contract Identifier, Upstream Package ID, Downstream Package ID		
			The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LQ** **Industry Code**
Position: 1400
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is mutually agreed. However, these data elements, with the exception of Receipt Scheduling Status and Delivery Scheduling Status, are not needed when the Nominator's Tracking ID is used. The usages of Receipt Scheduling Status and Delivery Scheduling Status are not contingent on the presence of the Nominator's Tracking ID.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Receipt Rank (Priority), Delivery Rank (Priority), Receipt Scheduling Status, Delivery Scheduling Status* *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **QTY** **Quantity**
Position: 1500
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**QTY01**	**673**	**Quantity Qualifier**	**M ID 2/2**
			Refer to "QTY Segments (Sub-detail - N1 loop)" table for usage and values.	
M	**QTY02**	**380**	**Quantity**	**X R 1/15**
			Receipt Point Quantity, Delivery Point Quantity, Distributed Confirmed Receipt Quantity, Distributed Confirmed Delivery Quantity *Refer to "QTY Segments (Sub-detail - N1 loop)" table for usage and values.*	
M	**QTY03**	**C001**	**Composite Unit of Measure**	**O**
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M ID 2/2**
			BZ Million BTU's	
			G8 Gigacalories	
			GV Gigajoules	

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **SE** **Transaction Set Trailer**
Position: 1600
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

873 Commodity Movement Services

Functional Group ID=CU

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Commodity Movement Services Transaction Set (873) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to convey request and response information for commodity movement services. This transaction is not to be used for product sales or purchases.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
M	0400	DTM	Date/Time Reference	O	1		
			LOOP ID - N1			>1	
M	0500	N1	Name	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - DTM			>1	
M	0100	DTM	Date/Time Reference	M	1		
M	0400	LCD	Place/Location Description	O	1		
			LOOP ID - CS			1	
	0500	CS	Contract Summary	O	1		
	0600	N1	Name	O	>1		
			LOOP ID - SLN			>1	
M	0700	SLN	Subline Item Detail	M	1		
M	0800	LQ	Industry Code	M	>1		
	0900	N9	Reference Identification	O	>1		
			LOOP ID - N1			>1	
	1100	N1	Name	O	1		
	1300	N9	Reference Identification	O	>1		
M	1600	SE	Transaction Set Trailer	M	1		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			873 Commodity Movement Services	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **BGN** **Beginning Segment**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BGN01**	**353**	**Transaction Set Purpose Code**	**M ID 2/2**
			00 Original	
M	**BGN02**	**127**	**Reference Identification**	**M AN 1/50**
M	**BGN03**	**373**	**Date**	**M DT 8/8**
M	**BGN07**	**640**	**Transaction Type Code**	**O ID 2/2**
			Q2 Scheduled Quantity for Operator	

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **DTM** **Date/Time Reference**
Position: 0400
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier**		**M**	**ID 3/3**
			102	Issue		
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X**	**ID 2/3**
			DT	Date and Time Expressed in Format CCYYMMDDHHMM		
M	**DTM06**	**1251**	**Date Time Period**		**X**	**AN 1/35**
			Statement Date/Time			

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 0500
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Notes: *For GISB, this segment should occur once for each value in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			40	Receiver		
			41	Submitter		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Statement Recipient ID, Preparer ID			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **DTM** **Date/Time Reference**
Position: 0100
Loop: DTM Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**		**M ID 3/3**
			007	Effective	
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X ID 2/3**
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD *This code designates the range of "gas days" in which the transaction will occur. For example, the entire month of April 2001 would be stated as 20010401-20010430.*	
			RDT	Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM *This code designates the instance in time when the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-200105010900.*	
M	**DTM06**	**1251**	**Date Time Period**		**X AN 1/35**
			Beginning Date, Beginning Time, Ending Date, Ending Time		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LCD** **Place/Location Description**
Position: 0400
Loop: DTM Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**LCD01**	**350**	**Assigned Identification**		**M**	**AN 1/20**
M	**LCD02**	**98**	**Entity Identifier Code**		**O**	**ID 2/3**
			LCN	Gas Nomination Location		
M	**LCD05**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.			
			DR	Gas Industry Standards Board (GISB) Data Reference Number (DRN) *For GISB, this code value may only be used when sending the Location.*		
			SV	Service Provider Number *For GISB, this code value may only be used when sending the Location Proprietary Code.*		
M	**LCD06**	**67**	**Identification Code** *Location/Location Proprietary Code* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**X**	**AN 2/17**

DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **CS** **Contract Summary**
Position: 0500
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CS01**	**367**	**Contract Number** *Confirmation Service Contract*	**O AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 0600
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			CNS Confirmation Service Identifier Code		
M	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			1 D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**	**X**	**AN 2/17**
			Confirmation Service Identifier Code		

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **SLN** **Subline Item Detail**
Position: 0700
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**SLN01**	**350**	**Assigned Identification** *Confirmation Tracking Identifier* *For GISB, when Confirmation Tracking Identifier is not used, send "N/A".* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**M**	**AN 1/11**
M	**SLN03**	**662**	**Relationship Code**		**M**	**ID 1/1**
			I	Included		
M	**SLN04**	**380**	**Quantity** *Quantity*		**X**	**R 1/15**
M	**SLN05**	**C001**	**Composite Unit of Measure**		**X**	
M	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			BZ	Million BTU's		
			G8	Gigacalories		
			GV	Gigajoules		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **LQ** **Industry Code**
Position: 0800
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Notes: *These data elements, with the exception of Contractual Flow Indicator, Reduction Reason, and Scheduling Status, are not needed when the Confirmation Tracking Identifier is used. The usages of Contractual Flow Indicator, Reduction Reason, and Scheduling Status are not contingent on the presence of the Confirmation Tracking Identifier.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Contractual Flow Indicator, Confirmation Subsequent Cycle Indicator, Reduction Reason, Scheduling Status* *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N9** **Reference Identification**
Position: 0900
Loop: SLN Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional. However, these data elements are not needed when the Confirmation Tracking Identifier is used.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Package ID, Confirmation User Data 1, Confirmation User Data 2* *Refer to "N9 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N1** **Name**
Position: 1100
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is conditional. However, these data elements, with the exception of Service Requester, are not needed when the Confirmation Tracking Identifier is used. The usage of Service Requester is not contingent on the presence of the Confirmation Tracking Identifier.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			78	Service Requester		
			DW	Downstream Party		
			US	Upstream Party		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Service Requester, Upstream Identifier Code, Downstream Identifier Code			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **N9** **Reference Identification**
Position: 1300
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional. However, these data elements, with the exception of Service Requester Contract, are not needed when the Confirmation Tracking Identifier is used. The usage of Service Requester Contract is not contingent on the presence of the Confirmation Tracking Identifier.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N901**	**128**	**Reference Identification Qualifier**		**M ID 2/3**
			DT	Downstream Shipper Contract Number	
				For GISB, this code value may only be used in the downstream N1 loop (N101 = 'DW').	
			KSR	Service Requester Contract Identifier	
				For GISB, this code value may only be used in the service requester N1 loop (N101 = '78').	
			PGD	Downstream Package Identifier	
				For GISB, this code value may only be used in the downstream N1 loop (N101 = 'DW').	
			PKU	Upstream Package Identifier	
				For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').	
			UP	Upstream Shipper Contract Number	
				For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').	
M	**N902**	**127**	**Reference Identification**		**X AN 1/30**
			Service Requester Contract, Upstream Contract Identifier, Downstream Contract Identifier, Upstream Package ID, Downstream Package ID		
			The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.		

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

Segment: **SE** **Transaction Set Trailer**
Position: 1600
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98031**
ANR Pipeline **R98035B**

1. Recommended Action:

___Accept as requested
___Accept as modified below
_X_ Decline

Effect of EC Vote to Accept Recommended Action:

___Change to Existing Practice
_X_ Status Quo

2. TYPE OF MAINTENANCE

Per Request:

_X_ Initiation
___Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
_X_ Document (x.4.z)
___Data Element (x.4.z)
___Code Value (x.4.z)
___X12 Implementation Guide
___Business Process Documentation

Per Recommendation:

___Initiation
___Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
___Data Element (x.4.z)
___Code Value (x.4.z)
___X12 Implementation Guide
___Business Process Documentation

3. RECOMMENDATION

SUMMARY: * EII Task Force (11/2-4/98) –IR6. (R98031)
* EII Task Force (11/20/98) –IR14. (R98035B)
* No changes recommended. This request was declined by BPS on February 24, 2000.

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Description of Change:
No Technical Changes required

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98031**
ANR Pipeline **R98035B**

4. SUPPORTING DOCUMENTATION

a. Description of Request:

R98031: Develop an EDI dataset to allow Confirming Parties to elect to "Confirm by Exception" as provided for in 1.2.11 and 1.3.22. This would be classified as a "new transaction."

R98035B: ANR requests new transaction identifiers in the Request for Confirmation (G850RQCF) and the Confirmation Response (G855RRFC) datasets. This transaction identifier would be used to indicate when the above datasets are being used for pre-limit quantities.

Request for Confirmation (G850RQCF)
BEG02 segment Purchase Order Type Code
Add: Transaction Identifier Pre-Limit Quantities

Confirmation Response (G855RRFC)
BAK01 segment Transaction Set Purpose Code
Add: Transaction Identifier Pre-Limit Quantities

The above Transaction Identifiers would be Mutually Agreed. No additional data elements are required for the above datasets to accommodate pre-limit quantities.

b. Description of Recommendation:

EBB-Internet Implementation Task Force (November 2 - 4, 1998)
R98031: Ms. Langston described the request, and asked that the confirmation by exception function ("CBE") be supported both through EBB/EDM and EDI/EDM. Pipelines may implement this function differently.

The request described the development of an EDI dataset to allow Confirming Parties to elect to "Confirm by Exception" as provided for in GISB Standard No. 1.2.11 and 1.3.22. This would be classified as a "new transaction." The purpose of this data set is to provide the Confirming Parties using EDI the ability to agree to Confirmation by Exception. As stated in 1.2.11, "Confirmation by Exception (CBE) means that the Confirming Parties agree that one party deems that all requests at a location are confirmed by the other party (the CBE party) without response communication from that party. The CBE party can take exception to the request by so informing the other party within a mutually agreed upon time frame." When the Confirming Parties submit the Confirmation by Exception dataset, they are advising the Confirmation Requester of their desire to be confirmed for all quantities requested. Some of the data elements for request from confirming party:

Confirming Party (M)
Begin Date (M)
End Date (MA)
Location (MA)
All locations (MA)
Chart-time (MA)
Cycle 1 Intraday (MA)
Cycle 2 Intraday (MA)
Evening Cycle (MA)

Hourlies (MA)
All Times (MA)
Service Requester (MA)

The above data elements allow the confirming party to specify the date the CBE is to start and they can submit an ending date if desired. If none is submitted, the CBE will remain in effect until they change it. The other data elements allow the Confirming Party to submit a CBE for a specific meter(s) for a specific time (chart-time, intraday, hourly) or combination of times as well as for a specific service requester. Should they want to submit a CBE for all locations and all times, that possibility is also included. The CBE's will be submitted for the next gas day; they cannot be submitted for an intraday for that gas day. Overlapping CBE's are allowed. Choosing CBE does not prevent the Confirming Party from submitting a Confirmation Response. The quick response back to the Confirming Party would be validation error messages: retroactive CBE's not allowed and Invalid location.

Action: 105 The data elements should accommodate confirmation by exception. If a Transportation Service Provider chooses to support confirmation by exception, the GISB standard data sets should accommodate it. The motion carried unanimously.

IR6 The request was transferred to Information Requirements Subcommittee for implementation.

EBB-Internet Implementation Task Force (November 20, 1998)--(IR14)
R98035: ANR requests new transaction identifiers in the Request for Confirmation (G850RQCF) and the Confirmation Response (G855RRFC) datasets. This transaction identifier would be used to indicate when the above datasets are being used for pre-limit quantities.

IR14 Instruct Information Requirements Subcommittee to accommodate the pre-limit quantities in the to be developed Confirmation By Exception dataset.
Vote: Passes unanimously.

Information Requirements Subcommittee (October 12 - 3, 1999)
R98035: IR split the request into 'A' (add pre-limit quantity code value to the Request for Confirmation and Confirmation Response) and 'B' (add pre-limit quantity to the yet to be developed Confirmation by Exception data set per R98031). IR will address 'A' now and put 'B' on hold until we do R98031.

In the confirmation process, the requester receives the Request For Confirmation (RFC) and sends the Confirmation Response (CR) back. The pre-limit quantity is sent to the requester in the RFC and they use it in the confirmation process. The pre-limit quantity can be set for as long as a year. The requester uses the pre-limit quantity where they do passive confirmations (i.e., confirmation by exception). Per the requester, when the RFC is used to transmit pre-limit quantities, all of the required fields in the RFC are populated. The quantity field is used for the pre-limit quantity. The requester wants an indicator in the header to show that the entire document is not being used for confirmation purposes; it is being used for setting pre-limit quantities. IR is also questioning whether this is appropriate for EDI because the information may only be transmitted once a year. The requester currently provides the ability to submit on-line.

MOTION:

Send the following issues to BPS:

1. How does the pre-limit quantity differ from a confirmation quantity that is sent for a date range, where the date range is longer than a confirmation cycle? (See Interpretation 7.3.26)
2. In light of its infrequent use, should the pre-limit quantity be included in an EDI transaction set?
3. If the pre-limit quantity is included in an EDI transaction set, should we add a GISB data element in the Request For Confirmation for the ANSI data element 'purchase order type code' (BEG02)? If so, the code value descriptions could be 'Request for Confirmation' and 'Pre-limit Quantity'.
4. If the pre-limit quantity is included in an EDI transaction set, should we add a GISB data element in the Confirmation Response for the ANSI data element 'transaction set purpose code' (BAK01)? If so, the code value descriptions could be 'Confirmation Response' and 'Pre-limit Quantity Response'.

Sense of the Room: October 12 - 13, 1999 6 In Favor 0 Opposed

Information Requirements Subcommittee (January 10 - 12, 2000)
Discussion: A draft data dictionary for the Confirmation by Exception Election transaction set was presented by Jim Keisler. This draft data dictionary was reviewed and changes were made.

The question arose as to the usage of the Confirmation by Exception Election transaction set. If IR creates a new transaction set for Confirmation by Exception Election, then if pipelines perform confirmations by exception, are they required to utilize this new transaction set?

Potential Questions to Business Practices Subcommittee:
1) Is the business practice of turning the confirmation by exception on/off election via an EBB used widely and frequently enough to justify an EDI implementation?
2) If an EDI implementation is necessary, then is the sending of the confirmation by exception on/off election a mutually agreed business practice?

Questions to Business Practices Subcommittee regarding R98031:
Standard # 105 states: "The data elements should accommodate confirmation by exception. If a Transportation Service Provider chooses to support confirmation by exception, the GISB standard data sets should accommodate it."

In regards to **Standard #105**, an analysis by Information Requirements of the current Confirmation transaction sets indicates that those transaction sets do accommodate the business practice of confirmation by exception. However, IR has the following question:

Is the business practice of sending the election to initiate or terminate confirmation by exception suitable for EDI?

Motion: Send this question to the Business Practices Subcommittee.

Sense of the Room: 9 In favor 1 Opposed

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98031**
ANR Pipeline **R98035B**

Questions to Business Practices Subcommittee regarding R98035B:
The Business Practices Subcommittee (BPS) at their November 18, 1999 meeting declined **R98035A**. BPS decided that the business practice of sending pre-limit quantities should not be standardized. IR noted in its November 2, 1999 memo that pre-limit quantities are sent infrequently. EII, however, indicated that a pre-limit quantity should be accommodated in the to be developed Confirmation by Exception Election data set.

Since BPS indicated in its response to **R98035A** that pre-limit quantities should not be standardized, should IR address pre-limit quantities pursuant to **R98035B**?

Note: Pursuant to instructions from EII, IR is processing **R98035B** in conjunction with **R98031**.

Motion: Send this question to the Business Practices Subcommittee.

Sense of the Room: 6 In favor 0 Opposed

Business Practices Subcommittee (February 17, 2000)
The IR questions were presented. Mr. Keisler further explained the issues and responded to questions from the group. Mr. Lander asked if anyone remembered the discussion and/or additional details regarding the discussion of this request at the EBB Internet Implementation Task Force (EIITF). Mr. Keisler noted that he did not remember any detailed discussion, that it was passed to IR with little discussion. Others who had attended the EIITF meetings agreed with this assessment. Mr. Griffith noted that he did not believe that this practice required a dataset, and that it was both infrequent and could be handled between the parties in the trading partner agreement. Mr. Lander voiced his agreement for this approach and while this item was only up for discussion (and not vote), noted that he would propose that BPS decline the request. This would therefore not require development of a standardized EDI dataset. He noted there seemed to be no need to standardize the process of election of confirmation by exception (CBE), therefore there was no need for a standardized dataset. No one on the phone cried out for the need for such a dataset and had no stated objection to the proposals.
Mr. Aschbrenner noted that in EIITF many pipelines submitted requests since they were currently providing services on their EBBs, thus they wanted to make sure they submitted requests for datasets, whether they really believed there was a compelling need for the datasets or not.
Ms. LeCureaux, representing one of the requesters, had no objection to the proposed declining of this request.
Mr. Lander noted that no one objected to the declination of the request but noted that it should not be dispositive of a similar request in the future.
Mr. Keisler asked whether the proposed disposition would also apply to IR's second question, that is, would it also decline R98035B?
Mr. Lander noted that it was his assumption that both would be declined and whatever language adopted by the BPS should be precise in accomplishing this. There was no disagreement voiced.
It will be put on the next agenda for discussion and possible vote.

Business Practices Subcommittee (February 24, 2000)
Motion BPS recommends that request numbers R98031 and R98035B be declined.
Discussion Mr. Scheel asked some questions regarding whether a pre-limit quantity could be accommodated on a mutually agreeable basis. Others believed that Mr. Scheel's point was moot given that

R98035A, which dealt specifically with pre-limit quantities had already been dealt with. These instant requests dealt with its use in Confirmation by Exception dataset and/or standardizing its use in EDI. Discussion ended, a vote was taken.

Action The motion passed unanimously. See voting record for specifics.

Sense of the Room: (February 24, 2000) 11 In Favor 0 Opposed
Segment Check (if applicable):
In Favor: ___End-Users ___LDCs 7 Pipelines 1 Producers 3 Services
Opposed : ___End-Users ___LDCs ___Pipelines ___Producers
Services

Technical Subcommittee
No technical changes required

Sense of the Room: April 20, 2000 3 In Favor 0 Opposed

c. Business Purpose:

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

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98085**

1. Recommended Action:

___Accept as requested
_X_ Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_ Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:

__Initiation
_X_ Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
_X_ Data Element (x.4.z)
____Code Value (x.4.z)
____X12 Implementation Guide
____Business Process Documentation

Per Recommendation:

___Initiation
_X_ Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
_X_ Business Practice Standard (x.3.z)
___Document (x.4.z)
___Data Element (x.4.z)
___Code Value (x.4.z)
___X12 Implementation Guide
___Business Process Documentation

3. RECOMMENDATION

SUMMARY: * EII Task Force (12/2/98) –IR30.
* Delete GISB Standard No. 4.3.77.

STANDARDS LANGUAGE:

GISB Standard No. 4.3.77: ~~Where a Transportation Service Provider populates the Upstream/Downstream Identifier via its EBB/EDM implementation based upon provision of an upstream or downstream contract identifier at pooling and logical points, an EDI nomination should be provided the same capability~~.

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Description of Change:
No Technical Changes required.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98085**

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Revise the Nomination to accommodate the sending of the Upstream/Downstream Coontract Identifier without sending the Upstream/Downstream Identifier Code at pooling and logical points.

b. Description of Recommendation:

EBB-Internet Implementation Task Force

After discussion on the request from Enron Capital and Trade, a proposed standard and an instruction were crafted:

s76 Where a Transportation Service Provider populates the Upstream/Downstream Identifier via its EBB/EDM implementation based upon provision of an upstream or downstream contract identifier at pooling and logical points, an EDI nomination should be provided the same capability.

IR30 Instruct IR to change the usage codes of the Upstream Identifier Code* and Downstream Identifier Code* from Conditional (C) to Business Conditional (BC). IR should craft a revised Condition based upon s76.

Sense of the Room: December 2, 1998 16 In Favor 3 Opposed
Segment Check (if applicable):
In Favor : ___End-Users 1 LDCs 7 Pipelines 2 Producers 6 Services
Opposed : ____End-Users _____LDCs 3 Pipelines _____Producers
Services

Information Requirements Subcommittee (November 9 - 10, 1999)

Discussion: Per Kim Van Pelt (co-chair of ANSI subcommittee), the new Nomination data set that was approved by ANSI is set up so that a contract number cannot be sent unless a party is present. The new transaction set was submitted to ANSI approximately one year ago and will be published in December 1999. The data is in a looping structure. The upstream/downstream party initiates a loop, with all of the related data under that party (e.g., Package ID, ranks, upstream/downstream contract). The upstream/downstream party is the only information that is mandatory at that level. None of the other data is required, and therefore it is anchored by the party information.

It was noted that the request only applies to pooling and logical points, where the point is located on a single TSP's system. This does not apply at an interconnect between two TSPs.

MOTION:

Send the following issue to BPS:

Was the intention to change the existing Usage and Condition of the Downstream Identifier Code and Upstream Identifier Code if the circumstance in s76 (GISB Standard No. 4.3.77) is not applicable (i.e., the point is not a logical or pooling point). That is, do the existing Usage and Condition no longer apply to physical points?

The current Condition is based upon both Model Type and whether the location is a receipt or a delivery. Therefore, the underlying usage is 'Mandatory'. Was the intent to change this underlying 'Mandatory' usage to 'Business Conditional'?

Sense of the Room: November 9 - 10, 1999 7 In Favor; 0 Opposed

Business Practices Subcommittee (January 20, 2000)
The IR questions were presented. Ms. Van Pelt expressed some dismay with EIITF's instructions, noting that she considered it a minor comparability issue, not in wide usage, and that it had significant implications to the structure and usage of many data elements in the Nomination dataset.
Mr. Griffith added that the change to the conditionality and "reverse comparability" issues these instructions presented were not warranted based on the limited benefits gained by the request.
Mr. Lander added his general agreement with the opinions expressed and asked whether the proposed standard in the instructions, S76, had been adopted and published.
Note: The standard has been ratified and published as 4.3.77.
Mr. Lander noted his belief that 4.3.77 should be deleted as it was difficult if not impossible to implement via EDI. Various scenarios for the usage of the data elements were discussed. A primary issue complicating the usage discussion was the fact that this standard would only apply to those pipelines who support filling in the Upstream/Downstream Identifier based upon the sender filling in the Upstream/Downstream Contract Identifier data element.
Mr. Lander noted that the intent of the standard could potentially be accomplished by addition of an MA data element (supported by those TSPs who do the automatic fill-in on their EBBs) which then indicates that the Upstream/Downstream ID is to be filled-in by the TSP.
There was apparent general agreement that this standard perhaps went a little too far and Mr. Lander proposed (for next time) that consideration be given to deleting standard no. 4.3.77.

Business Practices Subcommittee (February 24, 2000)
This request was discussed at the January 20, 2000 meeting. It has been postponed until this meeting for vote. Reference BPS minutes of January 20, 2000 for additional detail.
Mr. Lander made the following motion which was seconded by Mr. Buccigross:

Motion BPS recommends that Standard No. 4.3.77 be deleted.

Mr. Lander explained his rationale. He believes that implementation of this standard would result in significant changes to the nomination dataset including major changes in the "current looping" structure related to upstream and downstream party and contract information.
He also noted that the requirement for providing upstream and downstream party information in the nomination has been a recognized business practice since the initial adoption of the GISB standards. The request to change this business practice for the limited case does not warrant the required changes to the dataset or the revamping of the business process.
There was additional discussion on any potential changes to the usage of the data elements in the nomination dataset. Mr. Keisler and others explained that removal of this standard (approving the recommendation to remove the standard) would result in the datasets remaining as they are. Implementing 4.3.77 (declining the motion to remove the standard) would result in significant changes to the nominations dataset and related business practices.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98085**

Action The motion passed unanimously. See voting record for specifics.

Sense of the Room: (February 24, 2000) 11 In Favor 0 Opposed
Segment Check (if applicable):
In Favor : ___End-Users ___LDCs 7 Pipelines 1 Producers 3 Services
Opposed : ___End-Users ___LDCs ___Pipelines ___Producers
Services

Information Requirements Subcommittee (March 28 - 29, 2000)
Discussion: On February 24, 2000, the Business Practices Subcommittee recommended that Standard 4.3.77 be deleted. As a result, IR requires no further action.

Technical Subcommittee
No technical changes required.

Sense of the Room: April 20, 2000 3 In Favor 0 Opposed

c. Business Purpose:

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

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Group 8760 **Request No.: R99035**

1. Recommended Action:

___Accept as requested
_X_Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:	**Per Recommendation:**
___Initiation	___Initiation
_X_Modification	_X_Modification
___Interpretation	___Interpretation
___Withdrawal	___Withdrawal
___Principle (x.1.z)	___Principle (x.1.z)
___Definition (x.2.z)	___Definition (x.2.z)
___Business Practice Standard (x.3.z)	___Business Practice Standard (x.3.z)
___Document (x.4.z)	___Document (x.4.z)
___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
_X_Business Process Documentation	_X_Business Process Documentation

3. RECOMMENDATION

SUMMARY: * Modify the Electronic Delivery Mechanism Implementation guide to support standards convergence with the Internet Engineering Taskforce "HTTP Transport for Secure EDI" (a.k.a.EDIINT standard AS2)

* Instruct the Contracts Subcommittee to review changes which may be needed in the GISB standard Trading partner Agreement which permit the trading partners to specify their mutual agreement to the use of signed receipts and the specific implementation of such use:

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Group 8760 **Request No.: R99035**

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

Document Name and No.:

Business Name (Abbreviation)	**Definition**	**Format**	**Usage**	**Condition**
version	*The GISB EDM version being used by the sender*	*numeric, decimal notation (e.g. 1.4)*	*in Request ; M*	*used in file transmittal and in posting error notifications*
receipt-disposition-to	*The party to receive receipts, the value should be the same as the "from"*	*Common Code Identifier format*	*in Request ; M*	*used in file transmittal and in posting error notifications*
receipt-report-type	*Type of receipt type being requested by sender*	*gisb-acknowledgement-receipt*	*in Request ; M*	*used in file transmittal and in posting error notifications*
receipt-security-selection	*Used to request signed receipts*	*signed-receipt-protocol=required, pgp-signature;signed-receipt-micalg=required, md5*	*In Request, MA*	*used in file transmittal and in posting error notifications*

* Indicates Common Code

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

Standards Book:

Language: Recommended changes to the EDM Implementation guide and Instruction to the Contracts Subcommittee (Start on next page)
Fully annoted pages of the EDM Implementation guide can be found on the GISB home page under the March 23, 2000 EDM meeting at www.gisb.org/edm.htm

Annotations from EdmAS2.pdf

Page 1

Annotation 1; Label: Carl P Caldwell; Date: 4/6/2000 1:21:09 PM
Proposed changes to section Executive Summary , subsection Open Standards Page 1, after the Security item

HTTP Transport for Secure EDI (a.k.a. IETF EDIINT AS2).

(after the sentence "The open standard technologies.....)
There are business benefits gained from adherence to "HTTP Transport for Secure EDI" such as :

· Allows potential to more readily, electronically trade with others (e.g., electric utilities, banks, suppliers, retail customers)

· Makes it more likely that packages can be purchased to replace custom written apps currently in place to support GISB EDM

· Strengthens the surety of receipt and error notification

HTTP Transport for Secure EDI (AS2) is an emerging standard, largely based on the original GISB EDM, that is being developed by the Internet Engineering Task Force, the Internet standards body. Adherence with a formal, international Internet standard, such as AS2 ensures that the specification will not change without due process and any changes that do occur will be the result of a broad consensus. Individual companies and entire industries are free to use as much or as little of AS2 as they see fit, providing the maximum flexibility to meet business needs.

Page 3

Annotation 1; Label: Carl P Caldwell; Date: 3/1/2000 7:18:56 PM
Proposed changes to section Business Process and Practices, subsection Overview: Where Internet EDM Fits..... Page 1, at the end of second paragraph

In Version 1.5 of the GISB Standards, the technical specifications of the EDI/EDM method of communication have been modified to comply with a the broader "HTTP Transport for Secure EDI" standard being developed by the Internet Engineering Task force (IETF). These technical changes do not impact the underlying required business practices established by GISB. In addition, the security features of the EDI/EDM and batch FF/EDM communication method now includes mutually agreeable business practices to protect the sender of a document from non-repudiation and to digitally sign Error Notifications.

Page 8

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 7:54:20 PM
Proposed changes to section Business Process and Practices, subsection Receipt of Transactions (Server) . Page 6, before the last sentence on the page insert

If the transacting parties mutually agree to use signed receipts, then the application would additionally attach a digital signature to the response .

Page 34

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 7:55:55 PM
Page 2, Data Dictionary for Internet EDM – include the following:

Business Name: version

Definition: The GISB EDM version being used by the sender
Format: numeric, decimal notation (e.g. 1.4)
Usage: in Request; M
Condition: used in file transmittal and in posting error notifications

Business Name: receipt-disposition-to
Definition: the party to receive receipts, the value should be the same as the “from”
Format: Common Code Identifier format
Usage: in Request; M
Condition: used in file transmittal and in posting error notifications

Business Name: receipt-report-type
Definition: type of receipt type being requested by sender
Format: gisb-acknowledgement-receipt
Usage: in Request; M
Condition: used in file transmittal and in posting error notifications

Business Name: receipt-security-selection
Definition: Used to request signed receipts
Format:signed-receipt-protocol=required,pgp-signature;signed-receipt-micalg=required, md5
Usage: In Request, MA
Condition: Used in file transmittal and in posting error notifications

Page 37

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 7:58:17 PM
Proposed changes to section SENDING TRANSACTIONS, subsection GENERAL FLOW, Page 2, immediately following item 11:

If trading partners agree to implement signed receipts then the sending party must include the “receipt-security-selection” data element in the posted data. The receiving party must digitally sign the gisb-acknowledgement-receipt and encapsulate the gisb-acknowledgement-receipt and digital signature body parts within a MIME envelope with a Content-type of application/pgp-signature.

Page 39

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 7:59:29 PM
Proposed changes to section SENDING TRANSACTIONS, subsection Sample of HTML document with a form to perform a multipart post using an interactive browser:

Page 4, within the text of the example, following the To: <input …> line insert the following:

GISB EDM Version: <input TYPE=”text” NAME=”version” SIZE=5 VALUE=”1.4”>
Deliver Receipt To: <input TYPE=”text” NAME=”report-disposition-to” SIZE=20 VALUE=””>
Receipt Type: <input TYPE=”text” NAME=”receipt-report-type” SIZE=30 VALUE=”gisb-acknowledgement-receipt”>

IF requesting signed receipts also include:

Receipt Type: <input TYPE=”text” NAME=”receipt-security-selection” SIZE=30 VALUE=” signed-receipt-protocol=required, pgp-signature; signed-receipt-micalg=required, md5”>

Page 40

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:00:53 PM
Proposed changes to section SENDING TRANSACTIONS, subsection Server Response

Page 5, replace the first sentence with the following:

“The receiving server will send a gisb-acknowledgement-receipt as an HTTP response to the client before dropping the client’s connection. If the transacting parties agree to use signed receipts, then the receiving server applies a digital signature to the gisb-acknowledgement-receipt and encapsulates the entire package in a MIME envelope of Content-type: application/pgp-signature.”

Page 41

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:02:17 PM
Proposed changes to section SENDING TRANSACTIONS, subsection HTTP Request Data Elements

Page 6, insert the following rows into the Required Data Elements table, between the to and input-format rows:

version
The GISB EDM version being used by the sender, in decimal notation (e.g. 1.4) The sending of the “version” data element is intended to assist in the early identification of EDM configuration errors and will not in itself dictate the version which a receiving party will support.

receipt-disposition-to
Common Code Identifier of the party to receive the acknowledgement receipt

receipt-report-type Type of receipt requested “gisb-acknowledgement-receipt”

Annotation 2; Label: Carl P Caldwell; Date: 2/29/2000 8:44:13 AM
Page 6, insert into the last row of the Mutually Agreed to Data Elements table, the following:

receipt-security-selection
Used to request signed receipts from the party receiving a file upload.

Annotation 3; Label: Carl P Caldwell; Date: 3/7/2000 8:18:28 PM
Page 6 Under section SENDING TRANSACTIONS, sub-section Writing a Batch Brower
replace the line in the example containing
"POST C:\execute HTTP/1.0"
with
"POST /cgi-bin/AS2dispatcher HTTP/1.0"

Page 43

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:22:46 PM
Proposed changes to section SENDING TRANSACTIONS, subsection Writing a Batch Browser , (example includes request for signed receipt)

Page 8, replace the example with the following:

----------87453838942833
Content-Disposition: form-data; name="from"

123456789
----------87453838942833
Content-Disposition: form-data; name="to"

234567890
----------87453838942833
Content-Disposition: form-data; name="version"

1.4
----------87453838942833
Content-Disposition: form-data; name="receipt-disposition-to"

123456789
----------87453838942833
Content-Disposition: form-data; name="receipt-report-type"

gisb-acknowledgement-receipt
----------87453838942833
Content-Disposition: form-data; name="input-format"

x12
----------87453838942833
Content-Disposition: form-data; name="input-data"; filename=”c:\temp\smallnom.bin”
Content-Type: multipart/encrypted; boundary=8760; protocol="application/pgp-encrypted"

--8760
Content-Type: application/pgp-encrypted

Version: 1

--8760
Content-Type: application/octet-stream

-----BEGIN PGP MESSAGE-----
Version: PGP 6.5

hQCMAzRG1pEOIOvdAQP+JMr0m/9+8yOL60Z9Vr6fFV81FCExB/o0xmwiMkiwYsHs
z0e8sb7ErC340MrNA/dw3taGMjmI+CXYRF/PLEdg1NZE1ZCtNeL4YdIHAMLWwODG
lQxhSucz8rMSgQ5mZzcOJwBdWLW70efgsu/9UljuJjYc1uZ6C03eFQv/43fkB+al
ATtgydxX4g8QK664ad+Jo/XUICSmWBL66fqJR1KLeLf4wTaqGy174Aq48Wpwvg1E
h785zC03UAw0qg0ugMt86dPeyd91e2JigqwDYEf/DYEKD0J9BGiGpS/uAupNKj8O
cp2IWClxKOGUbxpVNOnNTqWHS/GntegvDE/7/ewCxDxsnmQS95pOl141QZ1RQbeN
aqx2Dq/ra9g65HNchOCzjul5Vi8HHf6Yhg2WnROe+npByyCue6rihqgNVOJwj0cV
zpb4JE+gMDf3q4ISUb1Fv7/+SSFHDdnhdC5YTpqf1Bc3B07hiLmtTXqNit31EbX9
UVElObzSa9ZhxbC6/eSl7Nuf5ZTDsh9nrk+QQJ6FeC9W4cqXLj7IZySaRO8Vtff+
4ktqeuhYusT4kSpnk027aw4O/5jomUkfb22CAe4=
=Oiuo
-----END PGP MESSAGE-----
--8760--
----------87453838942833--

Annotation 2; Label: Carl P Caldwell; Date: 3/7/2000 10:19:00 PM
Proposed changes to section SENDING TRANSACTIONS, subsection Writing a Batch Browser

Page 8, replace the last bulleted paragraph on the page with the following:

The data field containing the GISB standard file has two extra identifiers: first the name of the file sent from the source computer, filename=”c:\temp\smallnom.bin”, and second a content type identifier on a

separate line. This line should always be constructed to reflect the content-type of the data being transmitted, in accordance with accepted Internet standards. If the data file contains clear text, X12 data, as shown in the above example, the content-type identifier follows the recommendations of RFC 1767, “MIME Encapsulation of EDI Data”, and the “Content-Type:application/EDI-X12” is used. However, for security purposes it is recommended that all data be encrypted and digitally signed prior to transmission over the Internet. There are IETF standards for describing and packaging encrypted data files, most notably, “MIME Security with Pretty Good Privacy (PGP)”, RFC 2015 and “MIME-based Secure EDI”, RFC TBD.

When the sender of a file intends to use encryption and digital signature functions to secure the contents of a data file the file must be prepared in accordance with the above mentioned IETF standards. ASC X12 data must first be prepared in canonical form as specified in RFC 1767. The ASC X12 data file would be concatenated with the MIME Content-type of application/EDI-X12 as the first line of the file.

For example below is a file before encryption:

Content-type: application/EDI-X12
ISA~00~ ~01~AAA6300300~14~1234567890000 ~14~2345678900000
... more data from the X12 file…
IEA~1~000003616

This file is encrypted, signed and packaged, which follows EDIINT AS1 and RFC 2015, which produces a file containing MIME headers and encrypted content as follows.

Below is the file after encryption:

Content-Type: multipart/encrypted; boundary=8760; protocol="application/pgp-encrypted"

--8760
Content-Type: application/pgp-encrypted

Version: 1

--8760
Content-Type: application/octet-stream

-----BEGIN PGP MESSAGE-----
Version: PGP 6.5

hQCMAzRG1pEOIOvdAQP+JMr0m/9+8yOL60Z9Vr6fFV81FCExB/o0xmwiMkiwYsHs
z0e8sb7ErC340MrNA/dw3taGMjmI+CXYRF/PLEdg1NZE1ZCtNeL4YdIHAMLWwODG
lQxhSucz8rMSgQ5mZzcOJwBdWLW70efgsu/9UljuJjYc1uZ6C03eFQv/43fkB+al
ATtgydxX4g8QK664ad+Jo/XUICSmWBL66fqJR1KLeLf4wTaqGy174Aq48Wpwvg1E
h785zC03UAw0qg0ugMt86dPeyd91e2JigqwDYEf/DYEKD0J9BGiGpS/uAupNKj8O
cp2IWClxKOGUbxpVNOnNTqWHS/GntegvDE/7/ewCxDxsnmQS95pOl141QZ1RQbeN
aqx2Dq/ra9g65HNchOCzjul5Vi8HHf6Yhg2WnROe+npByyCue6rihqgNVOJwj0cV
zpb4JE+gMDf3q4ISUb1Fv7/+SSFHDdnhdC5YTpqf1Bc3B07hiLmtTXqNit31EbX9

UVElObzSa9ZhxbC6/eSl7Nuf5ZTDsh9nrk+QQJ6FeC9W4cqXLj7IZySaRO8Vtff+
4ktqeuhYusT4kSpnk027aw4O/5jomUkfb22CAe4=
=Oiuo
-----END PGP MESSAGE-----
--8760--

This file is associated with the “input-data” data element of the multipart-form-data and is sent to the recipient using the HTTP POST method.

The HTTP POST data stream used to send this file would appear as follows:

----------87453838942833
Content-Disposition: form-data; name="from"

123456789
----------87453838942833
Content-Disposition: form-data; name="to"

234567890
----------87453838942833
Content-Disposition: form-data; name="version"

1.4
----------87453838942833
Content-Disposition: form-data; name="receipt-disposition-to"

123456789
----------87453838942833
Content-Disposition: form-data; name="receipt-report-type"

gisb-acknowledgement-receipt
----------87453838942833
Content-Disposition: form-data; name="receipt-security-selection"

signed-receipt-protocol=required, pgp-signature; signed-receipt-micalg=required, md5
----------87453838942833
Content-Disposition: form-data; name="input-format"

X12
----------87453838942833
Content-Disposition: form-data; name="input-data"; filename=”c:\temp\smallnom.bin”
Content-Type: multipart/encrypted; boundary=8760; protocol="application/pgp-encrypted"

--8760
Content-Type: application/pgp-encrypted

Version: 1

--8760

Content-Type: application/octet-stream

-----BEGIN PGP MESSAGE-----
Version: PGP 6.5

hQCMAzRG1pEOIOvdAQP+JMr0m/9+8yOL60Z9Vr6fFV81FCExB/o0xmwiMkiwYsHs
z0e8sb7ErC340MrNA/dw3taGMjmI+CXYRF/PLEdg1NZE1ZCtNeL4YdIHAMLWwODG
lQxhSucz8rMSgQ5mZzcOJwBdWLW70efgsu/9UljuJjYc1uZ6C03eFQv/43fkB+al
ATtgydxX4g8QK664ad+Jo/XUICSmWBL66fqJR1KLeLf4wTaqGy174Aq48Wpwvg1E
h785zC03UAw0qg0ugMt86dPeyd91e2JigqwDYEf/DYEKD0J9BGiGpS/uAupNKj8O
cp2IWClxKOGUbxpVNOnNTqWHS/GntegvDE/7/ewCxDxsnmQS95pOl141QZ1RQbeN
aqx2Dq/ra9g65HNchOCzjul5Vi8HHf6Yhg2WnROe+npByyCue6rihqgNVOJwj0cV
zpb4JE+gMDf3q4ISUb1Fv7/+SSFHDdnhdC5YTpqf1Bc3B07hiLmtTXqNit31EbX9
UVElObzSa9ZhxbC6/eSl7Nuf5ZTDsh9nrk+QQJ6FeC9W4cqXLj7IZySaRO8Vtff+
4ktqeuhYusT4kSpnk027aw4O/5jomUkfb22CAe4=
=Oiuo
-----END PGP MESSAGE-----

--8760--

----------87453838942833--

Page 44

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:33:45 PM
Proposed changes to section SENDING TRANSACTIONS, subsection Writing a Batch Browser

Page 9, replace the example with the following:

POST /cgi-bin/AS2dispatcher HTTP/1.0
Referer: http://www.get.a.life/upl.htm
Connection: Keep-Alive
User-Agent: brow v0.1 XYZ Corp.
Host: localhost
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, */*
Content-type: multipart/form-data; boundary=----------87453838942833
Content-Length: 5379

----------87453838942833
Content-Disposition: form-data; name="from"

123456789
----------87453838942833
Content-Disposition: form-data; name="to"

234567890
----------87453838942833
Content-Disposition: form-data; name="version"

1.4
----------87453838942833
Content-Disposition: form-data; name="receipt-disposition-to"

123456789

----------87453838942833
Content-Disposition: form-data; name="receipt-report-type"

gisb-acknowledgement-receipt
----------87453838942833
Content-Disposition: form-data; name="input-format"

X12
----------87453838942833
Content-Disposition: form-data; name="input-data"; filename=”c:\temp\smallnom.bin”
Content-Type: multipart/encrypted; boundary=8760; protocol="application/pgp-encrypted"

--8760
Content-Type: application/pgp-encrypted

Version: 1

--8760
Content-Type: application/octet-stream

-----BEGIN PGP MESSAGE-----
Version: PGP 6.5

hQCMAzRG1pEOIOvdAQP+JMr0m/9+8yOL60Z9Vr6fFV81FCExB/o0xmwiMkiwYsHs
z0e8sb7ErC340MrNA/dw3taGMjmI+CXYRF/PLEdg1NZE1ZCtNeL4YdIHAMLWwODG
lQxhSucz8rMSgQ5mZzcOJwBdWLW70efgsu/9UljuJjYc1uZ6C03eFQv/43fkB+al
ATtgydxX4g8QK664ad+Jo/XUICSmWBL66fqJR1KLeLf4wTaqGy174Aq48Wpwvg1E
h785zC03UAw0qg0ugMt86dPeyd91e2JigqwDYEf/DYEKD0J9BGiGpS/uAupNKj8O
cp2IWClxKOGUbxpVNOnNTqWHS/GntegvDE/7/ewCxDxsnmQS95pOl141QZ1RQbeN
aqx2Dq/ra9g65HNchOCzjul5Vi8HHf6Yhg2WnROe+npByyCue6rihqgNVOJwj0cV
zpb4JE+gMDf3q4ISUb1Fv7/+SSFHDdnhdC5YTpqf1Bc3B07hiLmtTXqNit31EbX9
UVElObzSa9ZhxbC6/eSl7Nuf5ZTDsh9nrk+QQJ6FeC9W4cqXLj7IZySaRO8Vtff+
4ktqeuhYusT4kSpnk027aw4O/5jomUkfb22CAe4=
=Oiuo
-----END PGP MESSAGE-----
--8760--
----------87453838942833—

Page 45

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 10:21:21 PM
Proposed changes to section RECEIVING TRANSACTIONS, subsection General Flow

Page 10, replace list items 5 and 6 with the following:

5. Create gisb acknowledgement receipt
5.1 If using signed receipts: 5.1.1 Produce a digital signature over the gisb acknowledgement receipt created in step 5 5.1.2 Encapsulate the gisb acknowledgement receipt and Digital Signature body parts in a content-type of application/multipart/signed envelope
6. Return HTTP response, the gisb acknowledgement receipt object, back to server

Page 46

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:19:47 PM
Page 11, Under section RECEIVING TRANSACTIONS, sub-section Writing the CGI Process replace

the line containing "POST C:\execute HTTP/1.0" with "POST /cgi-bin/AS2dispatcher HTTP/1.0"

Page 47

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:37:10 PM
Proposed changes to section RECEIVING TRANSACTIONS, subsection Writing the CGI Process

Page 12, replace the example with the following:

----------87453838942833
Content-Disposition: form-data; name="from"

123456789
----------87453838942833
Content-Disposition: form-data; name="to"

234567890
----------87453838942833
Content-Disposition: form-data; name="version"

1.4
----------87453838942833
Content-Disposition: form-data; name="receipt-disposition-to"

123456789
----------87453838942833
Content-Disposition: form-data; name="receipt-report-type"

gisb-acknowledgement-receipt
----------87453838942833
Content-Disposition: form-data; name="input-format"

X12
----------87453838942833
Content-Disposition: form-data; name="input-data"; filename="c:\temp\smallnom.bin"
Content-Type: multipart/encrypted; boundary=8760; protocol="application/pgp-encrypted"

--8760
Content-Type: application/pgp-encrypted

Version: 1

--8760
Content-Type: application/octet-stream

-----BEGIN PGP MESSAGE-----
Version: PGP 6.5

hQCMAzRG1pEOIOvdAQP+JMr0m/9+8yOL60Z9Vr6fFV81FCExB/o0xmwiMkiwYsHs
z0e8sb7ErC340MrNA/dw3taGMjmI+CXYRF/PLEdg1NZE1ZCtNeL4YdIHAMLWwODG
lQxhSucz8rMSgQ5mZzcOJwBdWLW70efgsu/9UljuJjYc1uZ6C03eFQv/43fkB+al
ATtgydxX4g8QK664ad+Jo/XUICSmWBL66fqJR1KLeLf4wTaqGy174Aq48Wpwvg1E
h785zC03UAw0qg0ugMt86dPeyd91e2JigqwDYEf/DYEKD0J9BGiGpS/uAupNKj8O
cp2IWClxKOGUbxpVNOnNTqWHS/GntegvDE/7/ewCxDxsnmQS95pOl141QZ1RQbeN

aqx2Dq/ra9g65HNchOCzjul5Vi8HHf6Yhg2WnROe+npByyCue6rihqgNVOJwj0cV
zpb4JE+gMDf3q4ISUb1Fv7/+SSFHDdnhdC5YTpqf1Bc3B07hiLmtTXqNit31EbX9
UVElObzSa9ZhxbC6/eSl7Nuf5ZTDsh9nrk+QQJ6FeC9W4cqXLj7IZySaRO8Vtff+
4ktqeuhYusT4kSpnk027aw4O/5jomUkfb22CAe4=
=Oiuo
-----END PGP MESSAGE-----
--8760--
----------87453838942833—

Page 48

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:42:50 PM
Proposed changes to section RECEIVING TRANSACTIONS, subsection Writing the CGI Process

Page 13, replace the last paragraph on the page with the following:

Immediately after the CGI validates (as above), parses, and saves the data, the CGI should record the time and construct a gisb acknowledgement receipt described in the following section. This gisb acknowledgement receipt is usually sent from the CGI by writing to the standard output (stdout) of the CGI process. If using signed receipts, the receiving party must produce a digital signature of the gisb acknowledgement receipt and send both the gisb acknowledgement receipt and digital signature body parts within a multipart/signed MIME envelope.

Page 49

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:43:35 PM
Proposed changes to section URL/CGI Implementation Guidelines

Page 14, replace the first sentence in the paragraph starting with “Error Notifications” with the following:

Error notifications include errors that occur some time after the gisb acknowledgement receipt is sent (such as a file decryption error) as well as errors on the transactions.

Page 50

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:44:49 PM
Proposed changes to section URL/CGI Implementation Guidelines, subsection Server Specifications

Page 15, replace the sentence starting with “The HTTP response must be enveloped” with the following:

The gisb acknowledgement receipt must be enveloped in a multipart/report, as specified in EDIINT AS2 following the rules for Generalized Receipts. If signed receipts are used, the gisb acknowledgement receipt (including the multipart/report envelope) is digitally signed, producing a application/pgp-encrypted body part. Both the multipart/report (gisb acknowledgement receipt) and the application/pgp-signature body parts are placed in a multipart/signed envelope and the entire package is returned to the sender.

Annotation 2; Label: Carl P Caldwell; Date: 2/29/2000 8:50:53 AM
Proposed changes to section URL/CGI Implementation Guidelines, subsection Server Specifications

Page 15, remove the sentence “The HTTP response must be no more than 2048 characters

Annotation 3; Label: Carl P Caldwell; Date: 3/7/2000 8:45:24 PM
The HTTP response must be no more than 2048 characters.

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:46:00 PM
Proposed changes to section URL/CGI Implementation Guidelines, subsection HTTP Response Data Elements

Page 16, replace the example given under “successful, plain text format:” with the following:

Content-Type: multipart/report; report-type="gisb-acknowledgement-receipt"; boundary="GISB7867"

--GISB7867
Content-type: text/html

<HTML><HEAD><TITLE>Acknowledgement Receipt Success</TITLE></HEAD> <BODY><P>
time-c=19960619082855*
request-status=ok*
server-id=coolhost*
trans-id=234423897*
</P> </BODY></HTML>
--GISB7867
Content-type: text/plain

time-c=19960619082855*
request-status=ok*
server-id=coolhost*
trans-id=234423897*
--GISB7867--

Annotation 2; Label: Carl P Caldwell; Date: 3/7/2000 8:46:21 PM
Proposed changes to section URL/CGI Implementation Guidelines, subsection HTTP Response Data Elements

Page 16, replace the example given under “error, plain text format:” with the following:

Content-Type: multipart/report; report-type="gisb-acknowledgement-receipt"; boundary="GISB7866"

--GISB7866
Content-type: text/html

<HTML><HEAD><TITLE>Acknowledgement Receipt Error</TITLE></HEAD> <BODY><P>
time-c=19960619082855*
request-status=EEDM106: Invalid To Common Code Identifier*
server-id=coolhost*
trans-id=234423897*
</P> </BODY></HTML>
--GISB7866
Content-type: text/plain

time-c=19960619082855*
request-status=EEDM106: Invalid To Common Code Identifier*
server-id=coolhost*
trans-id=234423897*
--GISB7866--

Annotation 3; Label: Carl P Caldwell; Date: 3/7/2000 8:46:45 PM
Proposed changes to section URL/CGI Implementation Guidelines, subsection HTTP Response Data Elements

Page 16, replace the example given under “warning, plain text format:” with the following:

Content-Type: multipart/report; report-type="gisb-acknowledgement-receipt"; boundary="GISB7866"

--GISB7866
Content-type: text/html

<HTML><HEAD><TITLE>Acknowledgement Receipt Warning</TITLE></HEAD> <BODY><P>
time-c=19960619082855*
request-status=WEDM100: Transaction Set Sent, Not Mutually Agreed*
server-id=coolhost*
trans-id=234423897*
</P> </BODY></HTML>
--GISB7866
Content-type: text/plain

time-c=19960619082855*
request-status= WEDM100: Transaction Set Sent, Not Mutually Agreed *
server-id=coolhost*
trans-id=234423897*
--GISB7866--

Annotation 4; Label: Carl P Caldwell; Date: 3/7/2000 9:03:28 PM
or, as a more elaborate response to a successful transmittal,

Annotation 5; Label: Carl P Caldwell; Date: 3/7/2000 10:24:20 PM
Signed Receipt
Content-Type:multipart/signed; micalg=pgp-md5; protocol="application/pgp-signature";
boundary=8760

--8760

Content-Type: multipart/report; report-type="gisb-acknowledgement-receipt"; boundary="GISB7867"

--GISB7867
Content-type: text/html

<HTML><HEAD><TITLE>Acknowledgement Receipt Success</TITLE></HEAD> <BODY><P>

time-c=19960619082855*
request-status=ok*
server-id=coolhost*
trans-id=234423897*

</P> </BODY></HTML>

--GISB7867
Content-type: text/plain

time-c=19960619082855*
request-status=ok*
server-id=coolhost*
trans-id=234423897*
--GISB7867--
--8760
Content-Type: application/pgp-signature

-----BEGIN PGP MESSAGE-----

Version: 2.6.2

iQCVAwUBMJrRF2N9oWBghPDJAQE9UQQAtl7LuRVndBjrk4EqYBIb3h5QXIX/LC//
JV5bNvkZIGPIcEmI5iFd9boEgvpirHtIREEqLQRkYNoBActFBZmh9GC3C041WGq
uMbrbxc+nIs1TIKlA08rVi9ig/2Yh7LFrK5Ein57U/W72vgSxLhe/zhdfolT9Brn
HOxEa44b+EI=
=ndaj

-----END PGP MESSAGE-----

--8760—

Page 52

Annotation 1; Label: Carl P Caldwell; Date: 2/29/2000 8:53:42 AM
Proposed changes to section URL/CGI Implementation Guidelines, subsection HTTP Response Data Elements

Page 17, remove the example given under “HTML format”.

Annotation 2; Label: Carl P Caldwell; Date: 3/7/2000 8:48:24 PM
HTML format (this example is for a successful transmittal): <html> <head> <title> Upload OK</ title> </ head> <!-- time- c= 19960123203618*-->_ <!-- request- status= ok* --> <!-- server- id= coolhost* --> <!-- trans- id= 232323897*--> <h1> Upload OK </ h1>< br> <body> <B> File Saved at (time- c): </ B> 19960123203618< br> <B> Status (request- status): </ B> ok< br> <B> Server (server- id): </ B> coolhost< br> <B> Transaction ID (trans- id): </ B> 232323897< br> </ body> </ html>

Page 54

Annotation 1; Label: Carl P Caldwell; Date: 3/1/2000 7:33:53 PM
Proposed changes to section Security , subsection Encryption / Digital Signature . Page 19, new paragraph after the second paragraph

Digital signatures may also be applied, on a mutually agreeable basis, to the HTTP response by the receiver of the transacation.

Annotation 2; Label: Carl P Caldwell; Date: 3/1/2000 7:37:00 PM
Proposed changes to section Security , subsection Decryption / Signature Verification . Page 19, new paragraph after the second paragraph

When digital signatures are applied the HTTP response, on a mutually agreeable basis, the HTTP response received by the sender the transacation may be verified to ensure non-repudiation of receipt of the transaction.

Page 56

Annotation 1; Label: Carl P Caldwell; Date: 2/29/2000 8:55:05 AM
Proposed changes to section Sending Error Notification Transactions, subsection Error Notification

Page 21, insert the following as the last paragraph of the subsection:

“Additionally, trading partners are permitted to utilize digitally signed error notifications, if both parties mutually agree to do so.”

Page 57

Annotation 1; Label: Carl P Caldwell; Date: 2/29/2000 8:55:37 AM
Proposed changes to section Sending Error Notification Transactions, subsection Error Notification Data Elements

Page 22, remove the sentence containing “The entire error notification must be no more than 2048 characters.”

Annotation 2; Label: Carl P Caldwell; Date: 2/29/2000 8:56:13 AM
Proposed changes to section Sending Error Notification Transactions, subsection Error Notification Data Elements

Page 22, replace the paragraph starting with “If an HTML response is given” with the following:

If an error notification is given, a GISB Error Notification contains two body parts nested within a multipart/report outer envelope. The first body part contains human readable content in HTML. The second body part contains machine readable content in HTML. Additionally, consenting trading partners can mutually agree to digitally sign error notifications. If digital signatures are used, the multipart/report containing the GISB Error Notification is used to create a digital signature body part, identified by a content-type of application/pgp-signature. Both the multipart/report GISB Error Notification and application/pgp-encrypted digital signature body parts are combined in a multipart/signed envelope.

Annotation 3; Label: Carl P Caldwell; Date: 3/7/2000 8:49:40 PM
The entire error notification must be no more than 2048 characters.

Page 58

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 10:27:48 PM
Proposed changes to section Sending Error Notification Transactions, subsection Error Notification Data Elements

Page 23, replace the example given under Error Notification Example with the following:

POST /cgi-bin/AS2dispatcher HTTP/1.0
Referer: http://www.get.a.life/upl.htm
Connection: Keep-Alive
User-Agent: brow v0.1 XYZ Corp.
Host: localhost
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, */*
Content-type: multipart/form-data; boundary=---------------------------87453838942833
Content-Length: 1958
-----------------------------87453838942833
Content-Disposition: form-data; name="from"

234567890
----------87453838942833
Content-Disposition: form-data; name="to"

123456789
----------87453838942833
Content-Disposition: form-data; name="version"

1.4
----------87453838942833
Content-Disposition: form-data; name="receipt-disposition-to"

123456789
----------87453838942833
Content-Disposition: form-data; name="receipt-report-type"

gisb-acknowledgement-receipt
----------87453838942833
Content-Disposition: form-data; name="input-format"

error
----------87453838942833
Content-Disposition: form-data; name="input-data"; filename="c:\temp\error.not"
Content-Type: multipart/report; report-type="gisb-error-notification"; boundary="GISB7868"

--GISB7868
Content-type: text/html

<HTML><HEAD><TITLE>Error Notification</TITLE></HEAD> <BODY><P>
orig-from=123456789*
orig-to=234567890*
orig-input-format=X12*
resp-time-c=19960619102855*
resp-server-id=coolhost*
resp-trans-id=234423897*
request-status=EEDM601: Public Key Invalid*
comments=Please contact 1-800-555-1212 for correct public key*
</P> </BODY></HTML>

--GISB7868
Content-Type: text/plain

orig-from=123456789*
orig-to=234567890*
orig-input-format=X12*
resp-time-c=19960619102855*
resp-server-id=coolhost*
resp-trans-id=234423897*
request-status=EEDM601: Public Key Invalid*
comments=Please contact 1-800-555-1212 for correct public key*
--GISB7868--
----------87453838942833--

Annotation 2; Label: Carl P Caldwell; Date: 3/7/2000 10:26:51 PM

Signed Error Notification

Content-Type:multipart/signed; micalg=pgp-md5; protocol="application/pgp-signature";
boundary=8760

--8760

Content-Type: multipart/report; report-type="gisb-error-notification"; boundary="GISB7868"

--GISB7868
Content-type: text/html

<HTML><HEAD><TITLE>Error Notification</TITLE></HEAD> <BODY><P>
orig-from=123456789*
orig-to=234567890*
orig-input-format=X12*
resp-time-c=19960619102855*
resp-server-id=coolhost*
resp-trans-id=234423897*
request-status=EEDM601: Public Key Invalid*
comments=Please contact 1-800-555-1212 for correct public key*

</P> </BODY></HTML>

--GISB7868
Content-Type: text/plain

orig-from=123456789*
orig-to=234567890*
orig-input-format=X12*
resp-time-c=19960619102855*
resp-server-id=coolhost*
resp-trans-id=234423897*
request-status=EEDM601: Public Key Invalid*
comments=Please contact 1-800-555-1212 for correct public key*

--GISB7868--
--8760

Content-Type: application/pgp-signature
-----BEGIN PGP MESSAGE-----

Version: 2.6.2

iQCVAwUBMJrRF2N9oWBghPDJAQE9UQQAtl7LuRVndBjrk4EqYBIb3h5QXIX/LC//
JV5bNvkZIGPIcEmI5iFd9boEgvpirHtIREEqLQRkYNoBActFBZmh9GC3C041WGq
uMbrbxc+nIs1TIKlA08rVi9ig/2Yh7LFrK5Ein57U/W72vgSxLhe/zhdfolT9Brn
HOxEa44b+EI=
=ndaj

-----END PGP MESSAGE-----

--8760--

Page 63

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 9:43:52 PM
Proposed changes to Table A - Internet EDM Standard Error Codes and Messages, subsection Internet EDM Standard Error Codes and Messages

Pages 27-28, add the following error codes and messages to the Internet EDM Standard Error Codes and Messages table:

Validation Code: EEDM110
Description: Invalid “version”
Data Element: version
Required vs. Mutually Agreed: required

Validation Code: EEDM111
Description: Missing "version"
Data Element: version
Required vs. Mutually Agreed: required

EEDM112 "receipt-security-selection" not mutually agreed
receipt-security-selection
mutually agreed
WEDM102 "receipt-security-selection" not mutually agreed
receipt-security-selection
mutually agreed
EEDM113
Invalid "receipt-security-selection"
receipt-security-selection
mutually agreed

EEDM114
Missing "receipt-disposition-to"
receipt-disposition-to
required

EEDM115
Invalid "receipt-disposition-to"
receipt-disposition-to
required

EEDM116
Missing "receipt-report-type"
receipt-report-type
required
EEDM117
Invalid "receipt-report-type"
receipt-report-type
required

EEDM118
Missing "receipt-security-selection"

receipt-security-selection
mutually agreed
WEDM103
Missing "receipt-security-selection"
receipt-security-selection
mutually agreed

TO: GISB Contracts Subcommittee

FROM: GISB EDM Subcommittee

Date: March 23, 2000

Re: AS2 affect on the TPA

As a result of processing Request No. R99035 from Group 8760 the EDM subcommittee is recommending the adoption of certain changes in order to address the business needs for privacy, authentication, integrity and non-repudiation of Origin and Receipt as specified in "HTTP Transport for Secure EDI" (a.k.a. EDIINT AS2). The EDIINT AS2 modifications to the GISB EDM protocol allow trading partners to mutually agree to implement signed receipts. To implement signed receipts the receiving party must digitally sign the gisb-acknowledgement-receipt and encapsulate the gisb-acknowledgement-receipt and digital signature body parts within a MIME envelope with a content-type of application/pgp-signature. Additionally the GISB EDM recommended changes permit trading partners to utilize digitally signed error notifications, if both parties mutually agree to do so. If digital signatures are used, the multipart/report containing the gisb error notification is used to create a digital signature body part, identified by a content-type of application/pgp-signature. Both the multipart/report gisb error notification and application/pgp-encrypted digital signature body parts are combined in a multipart/signed envelope.

When reviewing these proposed changes the EDM subcommittee raised the issue of whether the adoption of EDIINT AS2 requires modification to the Trading Partner Agreement, GISB Standard No. 6.3.3 (TPA). The following areas of the TPA may need to be revised to permit the trading partners to specify their mutual agreement to the use of signed receipts and the specific implementation of such use:

1. Review of terminology throughout the TPA (for example HTTP response, time-c, etc.)
2. Section 2.2 Digital Signature Verification and Decryption
3. Section 2.3 Functional Acknowledgement and Response Document
4. Exhibit (Transaction Set Exhibit), Section 4.

The above list is not intended to be an inclusive list.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Group 8760 **Request No.: R99035**

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Review and recommend changes to the existing body of EDM standards to support standards convergence across other standards setting groups, such as AIAG, UIG, and EDI-INT.

b. Description of Recommendation:

Electronic Delivery Mechanism Subcommittee

Motion: The AS2 convergence work paper will be sent to the FTTF for their meeting on February 16th. The FTTF will review the work paper to verify the technical specification and examples. In addition, FTTF should review the work paper to verify that the changes do not require any mandatory changes to business practices between trading partners.

Sense of the Room: **1/21/2000** 16 In Favor 0 Opposed

Future Technology Taskforce

Motion: Based of FTTF's review, version 2.1 (will become version 2.2 with changes), the AS2 document is technically acceptable.

Sense of the Room: **2/16/2000** 15 In Favor 0 Opposed

Electronic Delivery Mechanism Subcommittee

Motion: Adopt the AS2 work paper, as posted and with above changes, as a the EDM Subcommittee recommendation to the Executive Committee as to support standards convergence with the Internet Engineering Taskforce EDIINT standard AS2.

Sense of the Room: **3/23/2000** 10 In Favor 0 Opposed

Motion: Adopt the instruction, as modified, to the Contracts Subcommittee regarding the changes which may be needed in the GISB standard Trading partner Agreement.

Sense of the Room: **3/23/2000** 11 In Favor 0 Opposed

c. Business Purpose:

There are business benefits gained from adherence to "HTTP Transport for Secure EDI" (a.k.a. IETF EDIINT AS2) such as allowing potential to more readily, electronically trade with others (e.g., electric utilities, banks, suppliers, retail customers), making it more likely that packages can be purchased to replace custom written apps currently in place to support GISB EDM and strengthening the surety of receipt and error notification

HTTP Transport for Secure EDI (AS2) is an emerging standard, largely based on the original GISB EDM, that is being developed by the Internet Engineering Task Force, the Internet standards body. Adherence with a formal, international Internet standard, such as AS2 ensures that the specification will not change without due process and any changes that do occur will be the result of a broad consensus. Individual companies and entire industries are free to use as much or as little of AS2 as they see fit, providing the maximum flexibility to meet business needs.

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

The technical specifications of the EDI/EDM method of communication have been modified to comply with a the broader "HTTP Transport for Secure EDI" standard being developed by the Internet Engineering Task force (IETF). These technical changes do not impact the underlying required business practices established by GISB. In addition, the security features of the EDI/EDM and batch FF/EDM communication method now includes mutually agreeable business practices to protect the sender of a document from non-repudiation and to digitally sign Error Notifications.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Williams Gas Pipeline **Request No.: R99050**

1. Recommended Action:

___Accept as requested
_X_ Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_ Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:

___Initiation
_X_ Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
_X_ Data Element (x.4.z)
___Code Value (x.4.z)
_X_ X12 Implementation Guide
___Business Process Documentation

Per Recommendation:

___Initiation
_X_ Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
_X_ Data Element (x.4.z)
___Code Value (x.4.z)
_X_ X12 Implementation Guide
___Business Process Documentation

3. RECOMMENDATION

SUMMARY: * Modify the definition of the data element Tax Identification Code.

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

Document Name and No.: Transportation/Sales Invoice (3.4.1)
Service Requester Level Charge/Allowance Invoice (3.4.4)

Business Name (Abbreviation)	Definition	Model Data Group	EDI / FF Usage	Condition
Tax Identification Code (Tax ID Cd)	*Code assigned by a government to the Payee.* ~~Code assigned by a government recognizing a business entity.~~	BEDG	SO *	For Invoice - determined by government reporting requirements.

* Note that the usage of the Tax Identification Code was changed from BC to SO as a result of request R99051, which was approved by the GISB EC on April 13, 2000.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Williams Gas Pipeline **Request No.: R99050**

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Document Name and No.: Transportation/Sales Invoice (3.4.1)
Service Requester Level Charge/Allowance Invoice (3.4.4)

Description of Change:
G811TSIN - Transportation/Sales Invoice (3.4.1)
Data Element Xref to X12
Header REF segment: delete line for data element Tax Identification Code
Header N1 segments: break the four N1 segments (currently all in one invisible row in the table) into separate invisible rows in the table
below the N1 segment for data element Payee (in the same invisible row in the table), add a REF segment, usage SO, for data element Tax Identification Code
move the segments for N3 Remittance Address, N4 Remittance Address, and REF Electronic Funds Transfer Address into the same invisible row in the table as N1 Remit to Party and delete the resulting empty rows
X12 Mapping
Header REF segment (position 050): REF01: delete element level note; add code value 11; REF02: delete element level note about referring to the table; delete element name "Tax Identification Code"; resulting REF02 element note should read "Account Number"
Header REF segment within N1 loop (position 140): REF01: add code value "TJ"; add the following code value note to code value "TJ": "For GISB, this code value may only be used in the Payee N1 loop (N101 = 'PE')"; REF01: add the following code value note to code value "EM": "For GISB, this code value may only be used in the Remit to Party N1 loop (N101 = 'RI')"; REF02: add data element name ", Tax Identification Code"
Transaction Set Tables
"REF Segments (Heading)" table: delete entire table
G811SRCA - Service Requester Level Charge/Allowance Invoice (3.4.4)
Data Element Xref to X12
Header REF segment: delete line for data element Tax Identification Code
Header N1 segments: break the four N1 segments (currently all in one invisible row in the table) into separate invisible rows in the table
below the N1 segment for data element Payee (in the same invisible row in the table), add a REF segment, usage SO, for data element Tax Identification Code
move the segments for N3 Remittance Address, N4 Remittance Address, and REF Electronic Funds Transfer Address into the same invisible row in the table as N1 Remit to Party and delete the resulting empty rows
X12 Mapping
Header REF segment (position 050): REF01: delete element level note; add code value 11; REF02: delete element level note about referring to the table; delete element name "Tax Identification Code"; resulting REF02 element note should read "Account Number"
Header REF segment within N1 loop (position 140): REF01: add code value "TJ"; add the following code value note to code value "TJ": "For GISB, this code value may only be used in the Payee N1 loop (N101 = 'PE')"; REF01: add the following code value note to code value "EM": "For GISB, this code value may only be used in the Remit to Party N1 loop (N101 = 'RI')"; REF02: add data element name ", Tax Identification Code"
Transaction Set Tables
"REF Segments (Heading)" table: delete entire table

Cleanup items submitted with this recommendation
G811TSIN - Transportation/Sales Invoice (3.4.1)
X12 Mapping
Header N3 segment (position 120): add the following sentence to the end of the existing segment note: "It may only be sent in the Remit to Party N1 loop (N101 = 'RI')."
Header N4 segment (position 130): add the following sentence to the end of the existing segment note: "It may only be sent in the Remit to Party N1 loop (N101 = 'RI')."
G811SRCA - Service Requester Level Charge/Allowance Invoice (3.4.4)
X12 Mapping
Header N3 segment (position 120): add the following sentence to the end of the existing segment note: "It may only be sent in the Remit to Party N1 loop (N101 = 'RI')."
Header N4 segment (position 130): add the following sentence to the end of the existing segment note: "It may only be sent in the Remit to Party N1 loop (N101 = 'RI')."

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Williams Gas Pipeline (WGP) on behalf of the ANSI Compliance Team requests that the definition of the data element Tax Identification Code in the Transportation/Sales Invoice (3.4.1) be changed to reflect that the code is assigned to the Remit to Party. The current definition is:

"Code assigned by government recognizing a business entity."

The proposed revised definition is:

"The tax identification code assigned by a government to the Remit to Party."

b. Description of Recommendation:

Information Requirements Subcommittee
Discussion: During the processing of this request at February's IR meeting, some confusion developed as to whether the Tax Identification Code should be a "code assigned by a government to the Remit to Party" or a "code assigned by a government to the Payee". The data element Tax Identification Code is utilized in the Transportation /
Sales Invoice and the Service Requester Level Charge/Allowance Invoice.

IR Implementation

The definition for the data element Tax Identification Code should be a "Code assigned by a government to the Payee".

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Williams Gas Pipeline **Request No.: R99050**

MOTION: Modify the definition of the data element Tax Identification Code as documented above. The data element Tax Identification Code is utilized in the Transportation / Sales Invoice and the Service Requester Level Charge/Allowance Invoice.

Sense of the Room: March 28-29, 2000 6 In Favor 0 Opposed

Technical Subcommittee
Changes were made to the mapping to implement the new definition of the Tax Identification Code data element. Changes were also made to the Data Element Cross Reference to X12 and notes were added to the X12 Mapping to better represent the looping structure of the data elements as related to the parties in the transaction.

Sense of the Room: April 20, 2000 3 In Favor 0 Opposed

c. Business Purpose:

Per the request: When this request is satisfied, there will be a clearer definition of the subject data element in the Transportation/Sales Invoice.

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

FTTF
Redlined Changes to Minimums and Versions from 1.4 to 1.5

- **Page 20 - GISB EDM Manual 1.4 (Specified TCP Ports)**

TCP Communications

GISB Principle 4.1.37 and GISB Standard 4.3.70 restrict the TCP ports used as a standard for EDM communications. The usage of GISB standard ports may require modifications in the client-side firewall to allow for communications with the various service providers' EDM* implementations. Upon request, the TSP should indicate to their trading partners which specific TCP ports they will require to be opened to conduct electronic communication.

Allowable TCP Ports (not UDP ports)
HTTP 80, 5713, 6112, 6304, 6874, 7403
SSL 443
ICA® 1494
RMI(Java®) 1099-1100
Java® Telnet 31415
TCP Optional 8001-8020**
Allowable UDP Ports (not TCP ports)
Secure ICA 1604

There are other technologies available that would require additional ports to be opened, such as FTP, Telnet, and SMTP. If and when GISB approves such technologies, FTTF will modify this list of allowable ports accordingly. The client-side firewall implementation and client browser settings should permit the downloading and installation of GISB approved plug-ins and modules. Please refer to the GISB defined Minimum Technical Characteristics for Accessing Customer Activities Web Sites for the listing of GISB approved plug-ins and modules.

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

*All GISB standard Internet communications
**The reservation of 20 optional ports was to provide room for implementations such as DCE, IIOP, and load balancing implementations. TSPs should endeavor to minimize the usage of these ports.

4.3.59 Providers of Customer Activities Web sites should ensure that the site operates within the guidelines of the "Technical Characteristics of the Client Workstation" described in the Appendix of the Electronic Delivery Mechanism Related Standards Manual. This appendix, listing examples of hardware and software configurations that providers should meet, should be reviewed and updated by the Future Technology Task Force, at a minimum, by the spring of each year and presented to the GISB Executive Committee for adoption by the June meeting of that committee.

- **Page 63 - GISB EDM Manual 1.4 (Specified HTTP Ports)**

FTTF
Redlined Changes to Minimums and Versions from 1.4 to 1.5

Server Specifications

The HTTP Server should be configured as port 80. If port 80 is not available, use one of the five recommended alternate ports: 5713, 6112, 6304, 6874, 7403.

- **Page 22, 68 - GISB EDM Manual 1.4 (PGP Version)**

Security

Though many decisions as to overall security measures are left to each trading partner and their environment, several security measures were established as standards to ensure a minimum level of confidence in conducting business over the Internet and to provide some uniformity in the implementation of security. Four primary security aspects were considered as vital in providing the level of protection of transactions needed for gas industry commerce: data privacy, data integrity, authentication, and non-repudiation. The FTTF found that these concerns are addressed by the use of encryption and digital signature capability of the Pretty Good Privacy (PGP) security application. Any process used for encryption and decryption compatible with PGP 2.6 (using keys generated with the RSA algorithm) meets the minimum standard to be applied to files transmitted over the Internet. To prevent unwanted intruders from connecting to the Web sites, basic authentication is the required standard. Additional issues such as firewall security are discussed in the standards, but are considered implementation issues to be addressed by each organization.

4.3.15 Trading partners should implement all security features (secure authentication, integrity, privacy, and non-repudiation) using a file-based approach via a commercially available implementation of PGP 2.6 or greater (or compatible with PGP 2.6). Trading partners should also implement basic authentication. This should be regarded as an interim solution since this technology is not an open standard. This technology supports all of the above security features while providing independence of choice of Web servers and browsers. Encryption keys should be self-certified and the means of exchange should be specified in the trading partner agreement.

- **Page 22, 68 - GISB EDM Manual 1.4 (HTTP & HTML Version)**

HTTP

The GISB EDM architecture is based on HTTP 1.0, and all implementations should be compatible with this version.

W3C WorldWide Web Consortium. All aspects of HTTP, HTML, and other Web-related topics are documented at:
http://www.w3.org/pub/WWW/

General information regarding HTTP with basic terminology included are documented at:
http://www.w3.org/pub/WWW/Protocols/HTTP/1.0/spec.html

Syntax information for multipart can be found in IETF RFC1341 section 7.2. (www.ietf.org)

HTML

Before April 24, 1998, the recommended standard from the WorldWide Web Consortium was HTML 3.2. The specification for this standard can be found at: http://www.w3.org/pub/WWW/TR/REC-html32.html

Effective April 24, 1998, the WorldWide Web Consortium has made a recommendation for HTML 4.0. Information on HTML 4.0 may be found at http://www.w3.org/TR/REC-html40/.

http://www.ncsa.uiuc.edu/General/Internet/WWW/HTMLPrimer.html

http://www.interlink-2000.com/guide-to-publishing-html.html

Special Edition Using HTML, Second Edition, Mark Brown, John Jung, and Tom Savola, Que Corporation, 1996.

- **Page 104 - GISB EDM Manual 1.4 (Appendix C Minimum (11/15/1999) Technical Characteristics and Guidelines for the Customer Activities Web Site)**

Browser Characteristics (includes defined GISB current versions):

Features as supported by the latest generally available (GA) versions of both Netscape® [2] ~~v4.06~~ and Internet Explorer® ~~v4.0 Service Pack 1~~. [3] within 6 months of such GA version becoming available, including –

- Frames & Nested Frames
- Tables & Nested Tables
- HTML
- Cookies
- JavaScript
- SSL 40-bit RSA Encryption
- Style Sheets

Plug-ins (Generally Available (GA) versions within 12 months of such GA versions becoming available)

- JAVA® ~~1.1.6 Sun® JDK~~ [4]
- ActiveX® (Plug-in for Netscape®) [5]
- Independent Computer Architecture ~~v4~~ (ICA®) - Protocol used for remote control access to an application

Operating Systems:

Operating systems on a client workstation should be multithreaded and preemptive.

FTTF
Redlined Changes to Minimums and Versions from 1.4 to 1.5

Hardware:

CPU >=~~166~~ 300 MHz
Memory >=~~64~~ 96 MB Physical
Display Resolution >=~~800 x 600~~1024 x 768
Connection > =56 KB (v.90)

Example Configuration [1]

Hardware:	CPU: ~~P166~~ P300 MHz or higher
	Memory: ~~64MB~~ 96MB Physical
	Display Resolution: ~~800x600~~1024 x 768
	Pointing Device with left and right click capability
Operating Systems:	~~Windows® 95~~ [2]
	Windows® 98 [2]
	Windows® NT 4.0 ~~service pack 3~~
	Windows® 2000
Connection:	56KB (v.90) modem
	ISDN
	Direct Connect (T1, Fractional T1, etc.)
	DSL
	Cable-Modem
Browser:	Netscape® Communicator/Navigator ~~v4.06~~
	Microsoft® Internet Explorer ~~v4.0 service pack 1~~
Plug-ins:	JAVA® ~~1.1.6 Sun® JDK (Activator)~~
	ActiveX® (Plug-in for Netscape®)
	ICA® ~~v4~~

Memory - Users who want to have multiple applications or EBBs open simultaneously should consider more memory.

CPU Speed - Users should be aware that higher CPU speeds may result in better performance.

- **Page 106 - GISB EDM Manual 1.4 (Minimal and Suggested (7/31/98) Technical Characteristics and Guidelines for the Developer and User of the Informational Postings Web Site)**

User technical characteristics provide specifications to the developer on the user environment for which the application will be designed and tested. Likewise, they will serve as guidelines to the user when purchasing the appropriate hardware and software to enable him/her to use the application.

Informational Postings Web Site User Technical Characteristics

	Minimal	Suggested (7/31/98)
Connection Device:	28.8 KB	Direct Connect

Operating System:	Multi-threaded & Preemptive	
RAM:	32 MB	>32 MB
Browser Capabilities:	Cookies & JavaScript Frames & Nested Frames Tables & Nested Tables HTML 3.2	
Display Resolution:	800x600, 256 colors	16k colors

Definitions:

Minimal user technical characteristics –

The environment and components for which the Web site application is designed and tested. This should include:

- a client environment comprised only of characteristics listed above, and,
- support for all mandated functions in accessing Informational Postings

Suggested user technical characteristics –

Environment or components not required to perform all mandated functions in accessing Informational Postings, but could provide an enhanced user experience.

Examples of User Workstations Meeting Criteria of Informational Postings Web Site User Characteristics[1]

	Minimal	Suggested (7/31/98)
Hardware:	Pentium® 90MHz or equivalent	Pentium® 200MHz or greater [2]
RAM:	32 MB	> 32 MB
Communication Device:	28.8	Direct Connect ISDN Satellite 56 KB modem DSL Cable-Modem
Monitor:	12" Laptop 15" Desktop	> 12" Laptop > 15" Desktop
Display Capabilities:	800 x 600 256 colors	> 800 x 600 > 256 colors
Operating System:	Windows® 95 System 7®	Windows® 985 Windows® NT 4.0 ~~or greater~~ [3]

	Solaris® 2.5	Solaris® 2.6 4 System 8® Windows 2000®
Browser:	Microsoft Internet Explorer® ~~3.02~~ Netscape® ~~Navigator 3.0~~ Communicator	Microsoft Internet Explorer® ~~4.0~~ Netscape® Communicator ~~4.0 or~~ ~~Netscape®~~ ~~Navigator 4.0~~

Informational Postings Web Site Developer Technical Characteristics
User's environment supporting the above minimum characteristics should be able to access all GISB standardized features of Informational Postings Web Sites.

Any other Web technologies may be considered for use by the developer as long as they can be used by the client without requiring special actions including firewall rule changes, use of a specific browser, logons and downloads of special helper applications such as plug-ins, viewers or readers.