

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texaco

Request No.: R97064 - F

1. Recommended Action:

- Accept as requested
- Accept as modified below
- Decline

Effect of EC Vote to Accept Recommended Action:

- Change to Existing Practice
- Status Quo

2. TYPE OF MAINTENANCE

Per Request:

- 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

Per Recommendation:

- Initiation
- Modification
- Interpretation
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- 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

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Document Name and No.: Shipper Imbalance (2.4.4)

Description of Change:
G811IMBL – Shipper Imbalance (2.4.4) - change X12 version to 004040 in all footers
Data Element Xref to X12
Re-map IMBL as ANSI Compliant: See new Data Element Xref to X12 *
Sample X12
Re-map IMBL as ANSI Compliant: See new Sample X12 Transaction *
X12 Mapping
Re-map IMBL as ANSI Compliant: See new X12 Mapping *
Transaction Set Tables
Re-map IMBL as ANSI Compliant: See new Transaction Set Tables *

*Includes modifications from R98055, R99039, and R99044 which have been approved by the GISB Executive Committee. Also includes modifications from R96124, et al, which has been presented for your approval.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

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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

ANSI Compliant 811 Shipper Imbalance transaction set developed at the following meetings: 12/13/1999, 01/28/2000, 02/29/2000, 04/20/2000, 05/05/2000, 09/08/2000, 12/05/2000, 01/16/2001.

Sense of the Room: January 16, 2001 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 Transportation/Sales Invoice and Service Requester Level Charge/Allowance Invoice Transaction Sets.

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

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 PR NR TR UR	Segment Name/GISB Data Element Name
ST	M M M M	Transaction Set Header
BIG	M M M M	Beginning Segment for Invoice segment
DTM	M M M M	Accounting Period
DTM	M M M M	Statement Date/Time
N1	M M M M	Statement Recipient ID
N1	M M M M	Preparer ID
PER	M M M M	Contact Person

Detail:

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
HL	M M M M	Hierarchical Level segment (Contract)
IT1	M M M M	Baseline Item Data (Invoice) segment
LQ	M M M M	Imbalance Reporting Type
LQ	MA MA MA MA	Settlement Type
AMT	SO SO SO nu	Ending Imbalance Value
QTY	M M M nu	Ending Imbalance Quantity
NM1	M M M M	Service Requester ID
REF	M M M M	Service Requester Contract

Sub-detail:

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
HL	M M M M	Hierarchical Level segment (Line Detail)
IT1	M M M M	Baseline Item Data (Invoice) segment
REF	SO SO SO SO	Zone Identifier
REF	MA MA MA MA	Package ID
REF	MA MA MA MA	Service Provider's Activity Code
LQ	MA MA MA nu	Capacity Type Indicator
LQ	MA MA MA MA	Export Declaration
NM1	M C nu C	Downstream Identifier Code
REF	SO SO nu SO	Downstream Contract Identifier
LCD	M C M C	Delivery Location
	C C C C	Delivery Location Proprietary Code
LCD	SO SO SO SO	Delivery Zone

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
NM1	M C nu C	Upstream Identifier Code
REF	SO SO nu SO	Upstream Contract Identifier
LCD	M C M C	Receipt Location
	C C C C	Receipt Location Proprietary Code
LCD	SO SO SO SO	Receipt Zone

Sub-sub-detail:

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
HL	M M M M	Hierarchical Level segment (Subline Item)
IT1	M M M M	Baseline Item Data (Invoice) segment
DTM	M M M M	Beginning Flow Date
	M M M M	Beginning Flow Time
	M M M M	Ending Flow Date
	M M M M	Ending Flow Time
LQ	M M M M	Statement Basis
LQ	C C C C	Adjustment Type
LQ	MA MA MA MA	Transaction Type
AMT	SO SO SO nu	Bid Transportation Rate
AMT	SO SO SO SO	Imbalance Value
QTY	M C M C	Allocated Delivery Quantity
QTY	M C M C	Allocated Receipt Quantity
QTY	M M M SO	Fuel Quantity
QTY	C C C C	Adjustment Quantity
QTY	SO SO SO SO	Operational Delivery Quantity
QTY	SO SO SO SO	Operational Receipt Quantity
QTY	SO SO SO SO	Scheduled Delivery Quantity
QTY	SO SO SO SO	Scheduled Receipt Quantity
QTY	SO SO SO SO	Scheduling Tolerance Delivery Quantity
QTY	SO SO SO SO	Scheduling Tolerance Receipt Quantity
QTY	C C C nu	Supplemental Quantity Type
	SO SO SO nu	Supplemental Quantity

Summary:

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
TDS	M M M M	Total Monetary Value Summary segment
SE	M M M M	Transaction Set Trailer

SAMPLE ASC X12 TRANSACTION**Imbalance Reporting Type = Pathed**

ST*811*0001
BIG*19990608*1*****F6
DTM*102****DT*199906082223
DTM*582****CM*199905
N1*40**1*123456789
N1*41**1*987654321
PER*IC*JOE ACCOUNTANT*TE*18005551212
HL*1**IB
IT1*1
LQ*IRT*PR
QTY*CB*175
NM1*78*3*****1*123456789
REF*KSR*X-1.0128
HL*2*1*9
IT1*1
NM1*US*3*****1*345678901
REF*UP*K1234
LCD**M2***DR*100158
NM1*DW*3*****1*234567890
REF*DT*K5678
LCD**MQ***DR*21098
HL*3*2*IA
IT1*1
DTM*405****RDT*199905010900-199906010900
LQ*EAR*A
QTY*G5*100
QTY*G6*90
QTY*R9*10
TDS*0
SE*30*0001

Imbalance Reporting Type = Non-Pathed

ST*811*0001
BIG*19990608*1*****F6
DTM*102****DT*199906081234
DTM*582****CM*199905
N1*40**1*123456789
N1*41**1*987654321
PER*IC*JOE ACCOUNTANT*TE*18005551212
HL*1**IB
IT1*1
LQ*IRT*NR
QTY*CB*175
NM1*78*3*****1*123456789
REF*KSR*X-1.0128
HL*2*1*9
IT1*1
NM1*DW*3*****1*111333555
LCD**MQ***DR*432567
HL*3*2*IA
IT1*1
DTM*405****RDT*199905010900-199906010900
LQ*EAR*A
QTY*G6*3456
QTY*R9*123
TDS*0
SE*25*0001

Imbalance Reporting Type = Pathed Non-threaded - Threaded

ST*811*0001
BIG*19990608*1*****F6
DTM*102****DT*199906082223
DTM*582****CM*199905
N1*40**1*123456789
N1*41**1*987654321
PER*IC*JOE ACCOUNTANT*TE*18005551212
HL*1**IB
IT1*1
LQ*IRT*TR
QTY*CB*175
NM1*78*3*****1*123456789
REF*KSR*X-1.0128
HL*2*1*9
IT1*1
NM1*US*3*****ZZ*N/A
LCD**M2***DR*100158
NM1*DW*3*****ZZ*N/A
LCD**MQ***DR*21098
HL*3*2*IA
IT1*1
DTM*405****RDT*199905010900-199906010900
LQ*EAR*A
QTY*G5*210
QTY*G6*185
QTY*R9*25
TDS*0
SE*28*0001

Imbalance Reporting Type = Pathed Non-threaded - Threaded and Unthreaded

ST*811*0001
BIG*19990608*1*****F6
DTM*102****DT*199906082223
DTM*582****CM*199905
N1*40**1*123456789
N1*41**1*987654321
PER*IC*JOE ACCOUNTANT*TE*18005551212
HL*1**IB
IT1*1
LQ*IRT*TR
QTY*CB*175
NM1*78*3*****1*123456789
REF*KSR*X-1.0128
HL*2*1*9
IT1*1
NM1*US*3*****ZZ*N/A
LCD**M2***DR*100158
NM1*DW*3*****ZZ*N/A
LCD**MQ***DR*21098
HL*3*2*IA
IT1*1
DTM*405****RDT*199905010900-199906010900
LQ*EAR*A
QTY*G5*210
QTY*G6*185
QTY*R9*25
HL*4**IB
IT1*1
LQ*IRT*UR
NM1*78*3*****1*123456789
REF*KSR*X-1.0128
HL*5*4*9
IT1*1
NM1*US*3*****1*345678901
LCD**M2***DR*100158
HL*6*5*IA
IT1*1
DTM*405****RDT*199905010900-199905250900
LQ*EAR*A
QTY*G5*40
HL*7*4*9
IT1*2
NM1*DW*3*****1*234567890
LCD**MQ***DR*21098
HL*8*7*IA
IT1*1
DTM*405****RDT*199905010900-199905050900
LQ*EAR*A
QTY*G6*64
TDS*0
SE*50*0001

811 Consolidated Service Invoice/StatementFunctional Group ID=**CI****Heading:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
Must Use	0100	ST	Transaction Set Header	M	1	
Must Use	0200	BIG	Beginning Segment for Invoice	M	1	
Must Use	0800	DTM	Date/Time Reference	O	10	
LOOP ID - N1						>1
Must Use	1000	N1	Name	O	1	
Must Use	1500	PER	Administrative Communications Contact	O	3	

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
LOOP ID - HL						>1
Must Use	0100	HL	Hierarchical Level	M	1	
LOOP ID - IT1						999999
Must Use	2100	IT1	Baseline Item Data (Invoice)	O	1	
Must Use	2830	LQ	Industry Code	O	>1	
LOOP ID - AMT						>1
	2850	AMT	Monetary Amount	O	1	
LOOP ID - QTY						>1
	2900	QTY	Quantity	O	1	
LOOP ID - NM1						>1
Must Use	3400	NM1	Individual or Organizational Name	O	1	
Must Use	3875	REF	Reference Identification	O	1	
LOOP ID - HL						>1
Must Use	7600	HL	Hierarchical Level	O	1	
LOOP ID - IT1						999999
Must Use	7700	IT1	Baseline Item Data (Invoice)	O	1	
	7800	REF	Reference Identification	O	>1	
	7900	LQ	Industry Code	O	>1	
LOOP ID - NM1						>1
Must Use	8000	NM1	Individual or Organizational Name	O	1	
	8100	REF	Reference Identification	O	>1	
Must Use	8200	LCD	Place/Location Description	O	>1	
LOOP ID - HL						>1
Must Use	8300	HL	Hierarchical Level	O	1	
LOOP ID - IT1						999999
Must Use	8400	IT1	Baseline Item Data (Invoice)	O	1	
Must Use	8500	DTM	Date/Time Reference	O	10	
Must Use	8600	LQ	Industry Code	O	>1	
LOOP ID - AMT						>1
	8700	AMT	Monetary Amount	O	1	
LOOP ID - QTY						>1
Must Use	8800	QTY	Quantity	O	1	

Summary:

Draft Shipper Imbalance

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>
Must Use	0100	TDS	Total Monetary Value Summary	M	1	
Must Use	1200	SE	Transaction Set Trailer	M	1	

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Draft Shipper Imbalance

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

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	ST01	143	Transaction Set Identifier Code 811 Consolidated Service Invoice/Statement	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9

Draft Shipper Imbalance

Segment: **BIG** Beginning Segment for Invoice
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BIG01	373	Date <i>The date the statement was generated.</i>	M DT 8/8
Must Use	BIG02	76	Invoice Number <i>The statement number assigned by the statement preparer.</i>	M AN 1/22
Must Use	BIG07	640	Transaction Type Code F6 Shipper Imbalance	O ID 2/2

Segment: **DTM** Date/Time Reference
Position: 0800
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 10
Notes: For GISB, this segment is mandatory.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier <i>Refer to "DTM Segments (Heading)" table for usage and values.</i>	M ID 3/3
Must Use	DTM05	1250	Date Time Period Format Qualifier <i>Refer to "DTM Segments (Heading)" table for usage and values.</i> CM Date in Format CCYMM D8 Date Expressed in Format CCYMMDD DT Date and Time Expressed in Format CCYMMDDHHMM RD8 Range of Dates Expressed in Format CCYMMDD-CCYMMDD	X ID 2/3
Must Use	DTM06	1251	Date Time Period <i>Refer to "DTM Segments (Heading)" table for usage and values.</i> <i>Accounting Period, Statement Date/Time</i>	X AN 1/35

Draft Shipper Imbalance

Segment: **N1** Name
Position: 1000
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory and should occur once for each value in the N101 element.*

Data Element Summary

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

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

Segment: **PER** Administrative Communications Contact
Position: 1500
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 3
Notes: For GISB, this segment is mandatory. It may only be sent the Preparer ID N1 loop (N101 = '41').

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	Contact Function Code IC Information Contact	M ID 2/2
Must Use	PER02	93	Name Contact Person (Name)	O AN 1/35
<i>The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.</i>				
Must Use	PER03	365	Communication Number Qualifier TE Telephone	X ID 2/2
Must Use	PER04	364	Communication Number Contact Person (Phone)	X AN 1/80
<i>The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.</i>				

Draft Shipper Imbalance

Segment: **HL** Hierarchical Level
Position: 0100
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	HL01	628	Hierarchical ID Number <i>sequential line item number</i>	M AN 1/12
Must Use	HL03	735	Hierarchical Level Code IB Contract	M ID 1/2

Draft Shipper Imbalance

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 2100
Loop: IT1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	IT101	350	Assigned Identification	O AN 1/20

Draft Shipper Imbalance

Segment: **LQ** Industry Code
Position: 2830
Loop: IT1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: >1
Notes: For GISB, this segment is mandatory.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LQ01	1270	Code List Qualifier Code Refer to "LQ Segments (Detail - HL03 = 'IB')" table for usage and values.	O ID 1/3
Must Use	LQ02	1271	Industry Code Refer to "LQ Segments (Detail - HL03 = 'IB')" table for usage and values.	X AN 1/30

Imbalance Reporting Type, Settlement Type

Draft Shipper Imbalance

Segment: **AMT** Monetary Amount
Position: 2850
Loop: AMT Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	AMT01	522	Amount Qualifier Code J8 Ending Balance	M ID 1/3
Must Use	AMT02	782	Monetary Amount Ending Imbalance Value	M R 1/15

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

Draft Shipper Imbalance

Segment: QTY Quantity
Position: 2900
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: For GISB, this segment is conditional.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	QTY01	673	Quantity Qualifier CB Closing Statement Balance	M ID 2/2
Must Use	QTY02	380	Quantity Ending Imbalance Quantity	X R 1/15

Draft Shipper Imbalance

Segment: **NM1** Individual or Organizational Name
Position: 3400
Loop: NM1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: For GISB, this segment is mandatory.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	NM101	98	Entity Identifier Code 78 Service Requester	M ID 2/3
Must Use	NM102	1065	Entity Type Qualifier 3 Unknown	M ID 1/1
Must Use	NM108	66	Identification Code Qualifier 1 D-U-N-S Number, Dun & Bradstreet	X ID 1/2
Must Use	NM109	67	Identification Code Service Requester ID	X AN 2/17

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

Segment: **REF** Reference Identification
Position: 3875
Loop: NM1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: For GISB, this segment is mandatory.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier KSR Service Requester Contract Identifier	M ID 2/3
Must Use	REF02	127	Reference Identification Service Requester Contract	X AN 1/30

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

Draft Shipper Imbalance

Segment: **HL** Hierarchical Level
Position: 7600
Loop: HL Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	HL01	628	Hierarchical ID Number <i>sequential line item number</i>	M AN 1/12
Must Use	HL02	734	Hierarchical Parent ID Number <i>This element contains the sequential line item number (HL01) of the Contract level loop (HL03 = 'IB') to which this detail loop is subordinate.</i>	O AN 1/12
Must Use	HL03	735	Hierarchical Level Code 9 Line Detail	M ID 1/2

Draft Shipper Imbalance

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 7700
Loop: IT1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	IT101	350	Assigned Identification	O AN 1/20

Segment: **REF** Reference Identification
Position: 7800
Loop: IT1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: For GISB, this segment is sender's option.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Refer to "REF Segments (Sub-detail - HL03 = '9')" table for usage and values.	M ID 2/3
Must Use	REF02	127	Reference Identification Refer to "REF Segments (Sub-detail - HL03 = '9')" table for usage and values.	X AN 1/30

Zone Identifier, Package ID, Service Provider's Activity Code

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

Draft Shipper Imbalance

Segment: **LQ** Industry Code
Position: 7900
Loop: IT1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: For GISB, this segment is conditional.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LQ01	1270	Code List Qualifier Code Refer to "LQ Segments (Sub-detail - HL03 = '9')" table for usage and values.	O ID 1/3
Must Use	LQ02	1271	Industry Code Refer to "LQ Segments (Sub-detail - HL03 = '9')" table for usage and values.	X AN 1/30

Capacity Type Indicator, Export Declaration

Segment: **NM1** Individual or Organizational Name
Position: 8000
Loop: NM1 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 NM101 element.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NM101	98	Entity Identifier Code DW Downstream Party US Upstream Party	M ID 2/3
Must Use	NM102	1065	Entity Type Qualifier 3 Unknown	M ID 1/1
Must Use	NM108	66	Identification Code Qualifier 1 D-U-N-S Number, Dun & Bradstreet ZZ Mutually Defined For GISB, this code value is used when the Imbalance Reporting Type is Pathed Non-threaded - Threaded (LQ01 = 'IRT'/LQ02 = 'TR').	X ID 1/2
Must Use	NM109	67	Identification Code Downstream Identifier Code, Upstream Identifier Code	X AN 2/17

For GISB, the Upstream Identifier Code and Downstream Identifier Code are not needed when the Imbalance Reporting Type is Pathed Non-threaded - Threaded (LQ01 = 'IRT'/LQ02 = 'TR'). 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 Shipper Imbalance

Segment: **REF** Reference Identification
Position: 8100
Loop: NM1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: For GISB, this segment is conditional.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier DT Downstream Shipper Contract Number UP Upstream Shipper Contract Number	M ID 2/3
Must Use	REF02	127	Reference Identification Downstream Contract Identifier, Upstream Contract Identifier	X AN 1/30

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

Segment: **LCD** Place/Location Description
Position: 8200
Loop: NM1 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 'M2' or 'MQ' in the LCD02 element.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LCD02	98	Entity Identifier Code <i>Refer to "LCD Segments (Sub-detail - HL03 = '9')" table for usage and values.</i>	O ID 2/3
Must Use	LCD05	66	Identification Code Qualifier <i>Refer to "LCD Segments (Sub-detail - HL03 = '9')" table for usage and values.</i>	X ID 1/2
Must Use	LCD06	67	Identification Code <i>Refer to "LCD Segments (Sub-detail - HL03 = '9')" table for usage and values.</i> <i>Delivery Location, Delivery Location Proprietary Code, Receipt Location, Receipt Location Proprietary Code, Delivery Zone, Receipt Zone</i>	X AN 2/17

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

Draft Shipper Imbalance

Segment: **HL** Hierarchical Level
Position: 8300
Loop: HL Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	HL01	628	Hierarchical ID Number <i>sequential line item number</i>	M AN 1/12
Must Use	HL02	734	Hierarchical Parent ID Number <i>This element contains the sequential line item number (HL01) of the Line Detail loop (HL03 = '9') to which this loop is subordinate.</i>	O AN 1/12
Must Use	HL03	735	Hierarchical Level Code IA Subline Item	M ID 1/2

Draft Shipper Imbalance

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 8400
Loop: IT1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	IT101	350	Assigned Identification	O AN 1/20

Segment: **DTM** Date/Time Reference
Position: 8500
Loop: IT1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 10
Notes: For GISB, this segment is mandatory.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier 405 Production	M ID 3/3
Must Use	DTM05	1250	Date Time Period Format Qualifier RD8 Range of Dates Expressed in Format CCYYMMDD- CCYYMMDD RDT Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM	X ID 2/3
Must Use	DTM06	1251	Date Time Period Beginning Flow Date, Beginning Flow Time, Ending Flow Date, Ending Flow Time	X AN 1/35

Draft Shipper Imbalance

Segment: **LQ** Industry Code
Position: 8600
Loop: IT1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: >1
Notes: For GISB, this segment is mandatory.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LQ01	1270	Code List Qualifier Code Refer to "LQ Segments (Sub-sub-detail - HL03 = 'IA')" table for usage and values.	O ID 1/3
Must Use	LQ02	1271	Industry Code Refer to "LQ Segments (Sub-sub-detail - HL03 = 'IA')" table for usage and values.	X AN 1/30

Statement Basis, Adjustment Type, Transaction Type

Draft Shipper Imbalance

Segment: **AMT** Monetary Amount
Position: 8700
Loop: AMT Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code <i>Refer to "AMT Segments (Sub-sub-detail - HL03 = 'IA')"</i> table for use and values.	M ID 1/3
Must Use	AMT02	782	Monetary Amount <i>Refer to "AMT Segments (Sub-sub-detail - HL03 = 'IA')"</i> table for use and values.	M R 1/15

Bid Transportation Rate, Imbalance Value

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

Segment: **QTY** Quantity
Position: 8800
Loop: QTY 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 'G5' or 'G6' in the QTY01 element.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier Refer to "QTY Segments (Sub-sub-detail - HL03 = 'IA')" table for usage and values.	M ID 2/2
Must Use	QTY02	380	Supplemental Quantity Type Quantity Refer to "QTY Segments (Sub-sub-detail - HL03 = 'IA')" table for usage and values. Allocated Delivery Quantity, Allocated Receipt Quantity, Fuel Quantity, Adjustment Quantity, Operational Delivery Quantity, Operational Receipt Quantity, Scheduled Delivery Quantity, Scheduled Receipt Quantity, Scheduling Tolerance Delivery Quantity, Scheduling Tolerance Receipt Quantity, Supplemental Quantity	X R 1/15

Draft Shipper Imbalance

Segment: **TDS** Total Monetary Value Summary
Position: 0100
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TDS01	610	Amount <i>For G1SB, send zero.</i>	M N2 1/15

Draft Shipper Imbalance

Segment: **SE** Transaction Set Trailer
Position: 1200
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments	M N0 1/10
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9

TRANSACTION SET TABLES

DTM Segments (Heading)

Element Name (DTM06)	Usage	DTM01	DTM05
Accounting Period	M	582	CM D8 RD8
Statement Date/Time	M	102	DT

LQ Segments (Detail - HL03 = 'IB')

Element Name (LQ02)	Usage	LQ01	LQ02	LQ02 Description
Imbalance Reporting Type	M	IRT	PR	Pathed
			NR	Non-Pathed
			TR	Pathed Non-threaded - Threaded
			UR	Pathed Non-threaded - Unthreaded
Settlement Type	MA	SET	YCO	Subject to cash out provisions
			NCO	Not subject to cash out provisions

REF Segments (Sub-detail - HL03 = '9')

Element Name (REF02)	Usage	REF01
Zone Identifier	SO	6K
Package ID	MA	PKG
Service Provider's Activity Code	MA	BE

LQ Segments (Sub-detail - HL03 = '9')

Element Name (LQ02)	Usage	LQ01	LQ02	LQ02 Description
Capacity Type Indicator	C	CQ	PP	Primary to Primary
			PS	Primary to Secondary
			SS	Secondary to Secondary
			SP	Secondary to Primary
			IT	Interruptible
Export Declaration	MA	XD	GSTN	GST Export Declaration – No
			GSTY	GST Export Declaration -- Yes

LCD Segments (Sub-detail - HL03 = '9')

Element Name (LCD06)	Usage	LCD02	LCD05	LCD05 Description
Delivery Location	C1	MQ	DR	GISB/PI Data Reference Number
Delivery Location Proprietary Code	C1	MQ	SV	Transportation Service Provider's proprietary code (see n1)
Receipt Location	C2	M2	DR	GISB/PI Data Reference Number
Receipt Location Proprietary Code	C2	M2	SV	Transportation Service Provider's proprietary code (see n1)
Delivery Zone	SO1	DZ	ZN	Zone
Receipt Zone	SO2	RZ	ZN	Zone

Usage:

C1/SO1 This code value may only be used in the downstream N1 loop (N101 = 'DW').

C2/SO2 This code value may only be used in the upstream N1 loop (N101 = 'US').

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.

LQ Segments (Sub-sub-detail - HL03 = 'IA')

Element Name (LQ02)	Usage	LQ01	LQ02	LQ02 Description
Statement Basis	M	EAR	A	Actual
			E	Estimate
			R	Revision

Element Name (LQ02)	Usage	LQ01	LQ02	LQ02 Description
Adjustment Type	C	AJT	ADC	Allocation detail correction
			AMC	Allocation Method correction
			AQC	Actual quantity correction
			CSH	Cashout
			FQC	Fuel Quantity correction
			IMT	Imbalance Trade
			LQC	Allocated Quantity correction
			SQC	Scheduled Quantity correction
			SUP	Supplemental Quantity correction
			XFR	Transfer
Transaction Type	MA	TT	01	Current Business
			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
			09	Imbalance Transfer
			10	Cashout
			11	Storage Inventory Transfer
			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			
28	Loan			

Element Name (LQ02)	Usage	LQ01	LQ02	LQ02 Description
			29	Loan Payback
			48	Authorized Point Overrun
			49	Gathering
			50	Unauthorized Overrun
			52	TSP Deficiency Credit
			53	SR Deficiency Credit
			54	Pool-to-Pool
			55	Backhaul
			56	Flow Day Diversion

AMT Segments (Sub-sub-detail) - HL03 = 'IA'

Element Name (AMT02)	Usage	AMT01
Bid Transportation Rate	C	RJ
Imbalance Value	SO	CL

QTY Segments (Sub-sub-detail - HL03 = 'IA')

Element Name (QTY02)	Usage	QTY01	QTY01 Description
Allocated Delivery Quantity	C	G6	
Allocated Receipt Quantity	C	G5	
Fuel Quantity	C	R9	
Adjustment Quantity	C	A5	
Operational Delivery Quantity	SO	G4	
Operational Receipt Quantity	SO	G3	
Scheduled Delivery Quantity	SO	G2	
Scheduled Receipt Quantity	SO	G1	
Scheduling Tolerance Delivery Quantity	SO	H2	
Scheduling Tolerance Receipt Quantity	SO	H1	
Supplemental Quantity (see n1)	C	FF	Flash Gas
		G7	Plant Thermal Reduction
		LH	Lost/Unaccounted For Gas

Notes:

n1 For data element Supplemental Quantity, the QTY01 element contains the data element Supplemental Quantity Type.