

DATA ELEMENT CROSS REFERENCE TO ASC X12

Heading:

Segment	Usage	Segment Name/GISB Data Element Name
ST	M	Transaction Set Header
BQR	M	Bid Tracking Identifier
	M	Transaction Status Code
REF	M	Offer Number
REF	C	Bid Number
PID	C	Validation Code
	SO	Validation Message
N1	M	Transportation Service Provider

Detail:

Segment	Usage	Segment Name/GISB Data Element Name
PO1	C	Detail Level Identifier
PID	C	Validation Code
	SO	Validation Message
	C	Rate Identification Code
	C	Surcharge Identification Code
	C	Total Surcharges
Sub-detail:		
N1	C	Segment Indicator
	C	Gas Transaction Point (1 or 2) Code
REF	C	Validation Code
	SO	Validation Message

Summary:

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

SAMPLE ASC X12 TRANSACTION

ST*843*0001
BQR*27*BIDTRK001*960520***UW
REF*BD*BID00001
REF*RE*OFF00001
PID*X**AP*WBDQR102
N1*SJ**1*808344672
CTT*0
SE*8*0001

TRANSACTION SET TABLES

REF Segments (Heading)

Element Name	Usage	REF01	REF02 Description
Offer Number	M	RE	Offer Number
Bid Number	C1	BD	Bid Number

Usage:

C1 Mandatory when the Transaction Status Code in the BQR06 is 'UA' or 'UW'.

Errors and Warnings (Heading)

Validation Code	Description
EBDQR100	Missing Transportation Service Provider
EBDQR101	Invalid Transportation Service Provider
EBDQR102	Missing Offer Number
EBDQR103	Invalid Offer Number
EBDQR104	Missing Bid Tracking Identifier
EBDQR105	Missing entity identifier code (N101)
EBDQR106	Invalid entity identifier code (N101)
EBDQR107	Missing Releaser Company Code
EBDQR108	Invalid Releaser Company Code
EBDQR109	Missing Bidder's Release Term Start Date
EBDQR110	Invalid Bidder's Release Term Start Date
EBDQR111	Bidder's Release Term Start Date not valid for Offer
EBDQR112	Missing Bidder's Release Term End Date
EBDQR113	Invalid Bidder's Release Term End Date
EBDQR114	Bidder's Release Term End Date not valid for Offer
EBDQR115	Missing Stand-alone Bid Indicator
EBDQR116	Invalid Stand-alone Bid Indicator
EBDQR117	Missing Bidder Lesser Quantity Indicator
EBDQR118	Invalid Bidder Lesser Quantity Indicator
EBDQR119	Missing Bidder's Contingency Indicator
EBDQR120	Invalid Bidder's Contingency Indicator
EBDQR121	Missing Bidder's Contingency Terms
EBDQR122	Invalid Bidder Company Code
EBDQR123	Missing Bidder Contact Name
EBDQR124	Missing Bidder Affiliate Indicator
EBDQR125	Invalid Bidder Affiliate Indicator
EBDQR126	Bidder does not meet credit worthiness criteria
EBDQR127	Bidder is not an approved bidder
EBDQR128	Missing Authorization Code

Validation Code	Description
EBDQR129	Invalid Authorization Code
EBDQR130	Missing Return Addressee Company Code
EBDQR131	Invalid Return Addressee Company Code
EBDQR132	Missing Return Addressee Contact Name
EBDQR133	Missing Not a Stand-alone Bid Terms and Conditions
EBDQR134	Missing Bidder Company Code
EBDQR135	Missing Bidder Contact E-mail Address
EBDQR136	Missing Bidder Contact Fax Number
EBDQR137	Missing Bidder Contact Phone Number
EBDQR138	Missing Return Addressee Contact E-mail Address
EBDQR139	Missing Return Addressee Contact Fax Number
EBDQR140	Missing Return Addressee Contact Phone Number
EBDQR141	Missing Associated Contract
EBDQR142	Invalid Associated Contract
EBDQR143	Invalid identification code qualifier (N103)
EBDQR999	Temporary Error Code - Message follows. Use only until code is approved for use.
WBDQR100	Bidder Contact Name not processed
WBDQR101	Bidder Contact Phone Number not processed
WBDQR102	Bidder Contact Fax Number not processed
WBDQR103	Bidder Affiliate Indicator not processed
WBDQR104	Bidder Contact E-mail Address not processed
WBDQR105	Return Addressee Contact E-mail Address not processed
WBDQR106	Return Addressee Contact Name not processed
WBDQR107	Return Addressee Contact Phone Number not processed
WBDQR108	Return Addressee Contact Fax Number not processed
WBDQR109	Missing Bidder Contact E-mail Address
WBDQR110	Missing Bidder Contact Fax Number
WBDQR111	Missing Bidder Contact Name
WBDQR112	Missing Bidder Contact Phone Number
WBDQR113	Missing Return Addressee Contact E-mail Address

GISB Bid Upload Quick Response

Validation Code	Description
WBDQR114	Missing Return Addressee Contact Fax Number
WBDQR115	Missing Return Addressee Contact Name
WBDQR116	Missing Return Addressee Contact Phone Number
WBDQR117	Missing Associated Contract
WBDQR118	Invalid Associated Contract
WBDQR999	Temporary Warning Code - Message follows. Use only until code is approved for use.

Errors and Warnings (Detail)

Validation Code	Description
EBDQR300	Missing Location/Quantity Type Indicator
EBDQR301	Invalid Location/Quantity Type Indicator
EBDQR302	Location/Quantity Type Indicator not valid for offer
EBDQR303	Missing Rate Form/Type Code
EBDQR304	Invalid Rate Form/Type Code
EBDQR305	Missing Rate Bid
EBDQR306	Invalid Rate Bid
EBDQR307	Rate Bid outside of minimum terms
EBDQR308	Missing Percentage of Maximum Rate Bid
EBDQR309	Invalid Percentage of Maximum Rate Bid
EBDQR310	Percentage of Maximum Rate Bid outside of minimum terms
EBDQR311	Missing Seasonal Start Date
EBDQR312	Invalid Seasonal Start Date
EBDQR313	Seasonal Start Date not valid for offer
EBDQR314	Missing Seasonal End Date
EBDQR315	Invalid Seasonal End Date
EBDQR316	Seasonal End Date not valid for offer
EBDQR317	Missing Bid Minimum Quantity - Contract
EBDQR318	Invalid Bid Minimum Quantity - Contract
EBDQR319	Missing Bid Quantity - Contract
EBDQR320	Invalid Bid Quantity - Contract
EBDQR321	Bid Quantity - Contract not valid for offer
EBDQR322	Missing Minimum Volumetric Commitment Quantity
EBDQR323	Invalid Minimum Volumetric Commitment Quantity
EBDQR324	Minimum Volumetric Commitment Quantity not valid for offer
EBDQR325	Missing Minimum Volumetric Commitment Percentage
EBDQR326	Invalid Minimum Volumetric Commitment Percentage
EBDQR327	Minimum Volumetric Commitment Percentage not valid for offer
EBDQR328	Missing Replacement Shipper Contract Number

Validation Code	Description
EBDQR329	Invalid Replacement Shipper Contract Number
EBDQR330	Invalid Rate Identification Code/Surcharge Identification Code
EBDQR331	Missing Rate Identification Code/Surcharge Identification Code
EBDQR332	Missing Surcharge Indicator
EBDQR333	Invalid Surcharge Indicator
EBDQR334	Missing Total Surcharges
EBDQR335	Invalid Total Surcharges
EBDQR336	Missing Measurement Basis
EBDQR337	Invalid Measurement Basis
EBDQR338	Missing Bidder Designation Of Bidding Basis
EBDQR339	Invalid Bidder Designation Of Bidding Basis
EBDQR340	Missing Reservation Rate Basis
EBDQR341	Invalid Reservation Rate Basis
EBDQR342	Invalid product/service id qualifier (PO1, 235 element)
EBDQR343	Invalid service, promotion, allowance, or charge information (SAC01/SAC13)
EBDQR344	Invalid identification code (SDQ, 67 element)
EBDQR999	Temporary Error Code - Message follows. Use only until code is approved for use.
WBDQR300	Minimum Volumetric Commitment Quantity not processed
WBDQR301	Minimum Volumetric Commitment Percentage not processed
WBDQR302	Maximum rate deal rates will float with the change of tariff maximum rates
WBDQR999	Temporary Warning Code - Message follows. Use only until code is approved for use.

Errors and Warnings (Sub-detail)

Validation Code	Description
EBDQR500	Missing Gas Transaction Point (1 or 2) Code
EBDQR501	Invalid Gas Transaction Point (1 or 2) Code
EBDQR502	Missing Gas Transaction Point (1 or 2) Description
EBDQR503	Invalid Gas Transaction Point (1 or 2) Description
EBDQR504	Missing Bid Minimum Quantity - Location
EBDQR505	Invalid Bid Minimum Quantity - Location
EBDQR506	Missing Bid Quantity - Location
EBDQR507	Invalid Bid Quantity - Location
EBDQR508	Bid Quantity - Location not valid for offer
EBDQR509	Missing entity identifier code (N101)
EBDQR510	Invalid entity identifier code (N101)
EBDQR511	Invalid identification code qualifier (N103)
EBDQR999	Temporary Error Code - Message follows. Use only until code is approved for use.
WBDQR500	Gas Transaction Point (1 or 2) Description not used
WBDQR501	Bid Minimum Quantity - Location not processed
WBDQR502	Bid Quantity - Location not processed
WBDQR999	Temporary Warning Code - Message follows. Use only until code is approved for use.

843 Response to Request for Quotation

Functional Group ID=**RR**

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BQR	Beginning Segment for Response to Request for Quotation	M	1		
Must Use	050	REF	Reference Numbers	O	12		
	190	PID	Product/Item Description	O	200		
						LOOP ID - N1	10000
Must Use	310	N1	Name	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - PO1	100000
	010	PO1	Baseline Item Data	O	1		
						LOOP ID - PID	1000
	050	PID	Product/Item Description	O	1		
						LOOP ID - N1	200
	420	N1	Name	O	1		
	460	REF	Reference Numbers	O	12		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	CTT	Transaction Totals	M	1		n1
Must Use	020	SE	Transaction Set Trailer	M	1		

Segment: **ST** Transaction Set Header
Position: 010
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 843 X12.8 Response to Request for Quotation	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9

Segment: **BQR** Beginning Segment for Response to Request for Quotation
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BQR01	353	Transaction Set Purpose Code 27 Verify	M ID 2/2
Must Use	BQR02	586	Request for Quote Reference Number Bid Tracking Identifier	M AN 1/45
Must Use	BQR03	652	Request Quotation Control Date Transaction generation date.	M DT 6/6
Must Use	BQR06	379	Bid Type Response Code Transaction Status Code	O ID 2/2
			UA Request passed edits. Bid Upload accepted. <i>ANSI definition required.</i>	
			UR Request did not pass edits. Bid Upload not accepted. <i>ANSI definition required.</i>	
			UW Request passed edits. Bid Upload accepted with warnings. <i>ANSI definition required.</i>	

Segment: **REF** Reference Numbers
Position: 050
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 12
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 Number Qualifier <i>Refer to "REF Segments (Heading)" table for usage and values.</i>	M ID 2/2
Must Use	REF02	127	Reference Number <i>Refer to "REF Segments (Heading)" table for usage and values.</i>	X AN 1/30

Bid Number, Offer Number

Segment: **PID** Product/Item Description
Position: 190
Loop:
Level: Heading
Usage: Optional
Max Use: 200
Notes: For GISB, this segment is mandatory when BQR06 = 'UW' or when BQR06 = 'UR' and error(s) or warning(s) exist at the header level.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	PID01	349	Item Description Type X Semi-structured (Code and Text)	M ID 1/1
Must Use	PID03	559	Agency Qualifier Code AP American Petroleum Institute	X ID 2/2
Must Use	PID04	751	Product Description Code Validation Code	X AN 1/12
	PID05	352	Refer to "Errors and Warnings (Heading)" table for usage and values. Description Validation Message	X AN 1/80

For GISB, this element is sender's option. However, if sending an error or warning code that has been approved by GISB, but not yet published, the Validation Message should be sent for further clarification.

Segment: **N1** Name
Position: 310
Loop: N1 Optional (Must Use)
Level: Heading
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	N101	98	Entity Identifier Code SJ Service Provider	M ID 2/2
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 <i>Transportation Service Provider</i>	X AN 2/17

Segment: **PO1** **Baseline Item Data**
Position: 010
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is mandatory when BQR06 = 'UW' or when BQR06 = 'UR' and error(s) or warning(s) exist at the detail or sub-detail level.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PO101	350	Assigned Identification Detail Level Identifier	O AN 1/11

Segment: **PID** Product/Item Description
Position: 050
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: For GISB, this segment is mandatory when BQR06 = 'UW' or when BQR06 = 'UR' and error(s) or warning(s) exist at the detail level.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349	Item Description Type X Semi-structured (Code and Text)	M ID 1/1
Must Use	PID03	559	Agency Qualifier Code AP American Petroleum Institute	X ID 2/2
Must Use	PID04	751	Product Description Code Validation Code	X AN 1/12
	PID05	352	Refer to "Errors and Warnings (Detail)" table for usage and values. Description Validation Message	X AN 1/80
			For GISB, this element is sender's option. However, if sending an error or warning code that has been approved by GISB, but not yet published, the Validation Message should be sent for further clarification.	
Must Use	PID07	822	Source Subqualifier Rate Identification Code, Surcharge Identification Code, Total Surcharges	O AN 1/15

This element is used to send the Surcharge Identification Code, Rate Identification Code or Total Surcharges from SAC04 in the 843 Bid Upload and will only be used when a Validation Code was generated for a specific Surcharge Identification Code, Rate Identification Code or Total Surcharges.

- 100 Capacity - Field
- 101 Capacity - Market
- 102 Deliverability - Field
- 103 Deliverability - Market
- 104 Reservation - Field Transportation
- 105 Reservation - Gathering
- 106 Reservation - Market Access
- 107 Reservation - Market Transportation (100mi)
- 109 Storage-Space Charge
- 110 Storage Reservation - Incremental Charge
- 111 Storage Volumetric - Field
- 112 Storage Volumetric - Market
- 113 Storage Volumetric-Space Charge
- 115 Reservation - Transportation Field - Z1A
- 116 Reservation - Transportation Field - Z1B
- 117 Reservation - Transportation Field - Z2
- 118 Reservation - Transportation Z1A-Z1A
- 119 Reservation - Transportation Z1A-Z1B
- 120 Reservation - Transportation Z1A-Z2
- 121 Reservation - Transportation Z1B-Z1B

122	Reservation - Transportation Z1B-Z2
123	Reservation - Transportation Z2-Z2
500	Reservation - Canadian Resolution
501	Reservation - GSR
502	Reservation - Settlement
503	Storage Gasification Surcharge - Market
504	Stranded Transportation Cost
505	Stranded Transportation Cost - Miscellaneous
506	Unrecovered PGA Cost
ACA	Annual Charge Adjustment
CAP	Capacity
CTA	Contract Adjustment
	<i>ANSI definition required</i>
DEM	Demand
	<i>ANSI definition required</i>
GRI	GRI Demand
	<i>ANSI definition required</i>
GRIH	GRI Demand-High Load
	<i>ANSI definition required</i>
GRIL	GRI Demand-Low Load
	<i>ANSI definition required</i>
GSD	GSD Demand
	<i>ANSI definition required</i>
RCA	Reservation Charge Adjustment
	<i>ANSI definition required</i>
RES	Reservation
	<i>ANSI definition required</i>
RSBL	Reservation Balancing
	<i>ANSI definition required</i>
RSVL	Reservation Volumetric
	<i>ANSI definition required</i>
STOT	Total of Surcharges
VOL	Volumetric
	<i>ANSI definition required</i>

Segment: **N1** Name
Position: 420
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: For GISB, this segment is mandatory when BQR06 = 'UW' or when BQR06 = 'UR' and error(s) or warning(s) exist at the sub-detail level.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			G1 Gas Transaction Point 1 <i>ANSI definition required</i>	
			G2 Gas Transaction Point 2 <i>ANSI definition required</i>	
			IJ Injection Point <i>ANSI definition required</i>	
			M2 Receipt Meter Location <i>receipt point</i>	
			MQ Metering Location <i>Delivery Location</i>	
			MV Mainline <i>ANSI definition required</i>	
			S8 Pipeline Segment defined by two segments (second of two segments) <i>Segment Indicator</i> <i>ANSI definition required</i>	
			S9 Pipeline Segment defined by one segment (or first of two segments) <i>Segment Indicator</i> <i>ANSI definition required</i>	
			SB Storage Area	
			WR Withdrawal Point <i>ANSI definition required</i>	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			29 Grid Location and Facility Code	
			95 Assigned By Transporter <i>May be used when N101 = 'S8' or 'S9'.</i>	
			ZY Temporal Identification Number <i>Transportation Service Provider's proprietary code</i>	
			<p><i>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</i></p>	

to the identified standards.

Must Use

N104

67

Identification Code

Gas Transaction Point (1 or 2) Code

X AN 2/17

Segment: **REF** Reference Numbers
Position: 460
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 12
Notes: *For GISB, this segment is mandatory when BQR06 = 'UW' or when BQR06 = 'UR' and error(s) or warning(s) exist at the sub-detail level.*

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Number Qualifier 1Q Error Identification Code	M ID 2/2
Must Use	REF02	127	Reference Number Validation Code	X AN 1/30
	REF03	352	Refer to "Errors and Warnings (Sub-detail)" table for usage and values. Description Validation Message	X AN 1/80

For GISB, this element is sender's option. However, if sending an error or warning code that has been approved by GISB, but not yet published, the Validation Message should be sent for further clarification.

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	Number of Line Items	M N0 1/6

Segment: SE Transaction Set Trailer
Position: 020
Loop:
Level: Summary
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	SE01	96	Number of Included Segments	M N0 1/10
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9