

GISB X12 Data Elements without GISB Data Elements

October 1999

GISB Std	X12 Data Elem Ref. Des.	X12 Data Elem Nbr	X12 Data Element Name	X12 Usage	X12 Data Type	X12 Field Length (Min/ Max)	Needed for Flat File? Yes/No	Proposed GISB Data Element Name	Proposed GISB Usage ED/FF	Proposed GISB Data Type	Proposed GISB Field Length (Max)	Miscellaneous Notes
1.4.1	BEG02	92	Purchase Order Type Code	M	ID	2/2	Y	Transaction Type Code	M/M	AN	2	G1 Nomination; to be ANSI compliant, should be mapped to BEG12 with BEG02 = ZZ
1.4.1	BEG03	324	Purchase Order Number	M	AN	1/22	Y	Transaction Identifier	M/M	AN	20	The nomination number assigned by the nomination originator.
1.4.1	SLN05	355	Unit or Basis for Measurement Code	M	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
1.4.1	PO307	355	Unit or Basis for Measurement Code	M	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
1.4.2	BAK03	324	Purchase Order Number	M	AN	1/22	Y	Transaction Identifier	M/M	AN	20	The nomination number assigned by the nomination originator
1.4.2	BAK10 (new)	640	Transaction Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	Similar to BEG02 of Nomination. Code value = 'V2' - Nomination Quick Response
1.4.3	BEG02	92	Purchase Order Type Code	M	ID	2/2	Y	Transaction Type Code	M/M	AN	2	G2 Request for Confirmation
1.4.3	SLN05	355	Unit or Basis for Measurement Code	M	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
1.4.4	BAK10 (new)	640	Transaction Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	G3 - Confirmation Response
1.4.4	SLN05	355	Unit or Basis for Measurement Code	M	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
1.4.5	BCA13 (new)	92	Purchase Order Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	Similar to BEG02 in nomination. Code value is 'Q1' - Scheduled Quantity
1.4.5	SLN05	355	Unit or Basis for Measurement Code	M	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
1.4.5	PO307	355	Unit or Basis for Measurement Code	M	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
1.4.6	BCA13	92	Purchase Order Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	Q2 - Scheduled Quantity for Operator
1.4.6	SLN05	355	Unit or Basis for Measurement Code	M	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
1.4.7	BAK08 (new)	127	Reference Identification	O	AN	1/30	Y	Transaction Type Code	M/M	AN	2	Code value 'V3' for Confirmation Response Quick Response. Similar to BEG02 of nomination.

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2.4.1	BCH02	92	Purchase Order Type Code	M	ID	2/2	Y	Transaction Type Code	M/M	AN	2	IN - Pre-determined Allocation; to be ANSI compliant, can be mapped to BCH15 with BCH02 = ZZ
2.4.1	BCH03	324	Purchase Order Number	M	AN	1/22	Y	Transaction Identifier	M/M	AN	20	Transaction ID assigned by document originator
2.4.1	POC01	350	Assigned Identification	O	AN	1/11	Y	Location Level Tracking ID	M/M	AN	11	Pending in R99006
2.4.1	SLN05	355	Unit or Basis for Measurement Code	M	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
2.4.1	CTP05	355	Unit or Basis for Measurement Code	X	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
2.4.2	BCA02	587	Acknowledgment Type	O	ID	2/2	Y	Transaction Status Code	M/M	AN	2	AT - Accepted RF - Reject with Exception Detail Only RJ - Rejected - No Detail
2.4.2	BCA03	324	Purchase Order Number	M	AN	1/22	Y	Transaction Identifier	M/M	AN	20	Transaction ID assigned by originator of process
2.4.2	BCA15 (new)	640	Transaction Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	V4 - Pre-determined Allocation Quick Response
2.4.2	POC01	350	Assigned Identification	O	AN	1/11	Y	Location Level Tracking ID	M/M	AN	11	Pending in R99006
2.4.3	BCA15 (new)	640	Transaction Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	F5 - Allocation
2.4.3	CTP05	355	Unit or Basis for Measurement Code	X	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
2.4.3	SLN05	355	Unit or Basis for Measurement Code	M	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
2.4.3	PO307	355	Unit or Basis for Measurement Code	M	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
2.4.4	BIG07 (new)	640	Transaction Type Code	O	AN	2/2	Y	Transaction Type Code	M/M	AN	2	F6 - Shipper Imbalance
2.4.4	IT103	355	Unit or Basis for Measurement Code	M	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ Million BTU's G8 Gigacalories GV Gigajoules
2.4.4	QTY03 (new)	355	Unit or Basis for Measurement Code	O	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
2.4.5	BPT04 (new)	755	Report Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	code value "MV" - Measurement Information
2.4.5	MEA04	355	Unit or Basis for Measurement Code	O	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
2.4.6	BPT04 (new)	755	Report Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	code value "R3" - Measured Volume Audit

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2.4.6	MEA04	355	Unit or Basis for Measurement Code	X	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
2.4.6	QTY03	355	Unit or Basis for Measurement Code	O	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Water Volume Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	N-Butane Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Ethane Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Heptane Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Hexane Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Methane Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Neo-Pentane Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Octane Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	N-Pentane Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Carbon Monoxide Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Helium Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Carbon Dioxide Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Hydrogen Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Hydrogen Sulfide Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	I-Butane Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Nitrogen Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Oxygen Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Propane Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	Sulphur Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA03	739	Measurement Value	X	R	1/10	Y	I-Pentane Percentage	SO/SO	R	1/10	see note below
2.4.6	MEA04	355	Unit or Basis for Measurement Code	X	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
3.4.1	BIG07 (new)	640	Transaction Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	Equivalent to BEG02 in the Nomination. Valid code values are T1 - Transportation Invoice, T2 - Sales Invoice
3.4.1	IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules; UL - Unitless
3.4.1	N301	166	Address Information	M	AN	1/35	Y	Remittance Address (Street Address 1)	SO/SO	AN	35	
	N302	166	Address Information	O	AN	1/35	Y	Remittance Address (Street Address 2)	SO/SO	AN	35	

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3.4.1	N401	19	City Name	O	AN	2/30	Y	Remittance Address (City Name),	SO/SO	AN	30	
	N402	156	State or Province Code	O	ID	2/2	Y	Remittance Address (State or Province Code),	SO/SO	AN	2	
	N403	116	Postal Code	O	ID	3/9	Y	Remittance Address (Postal Code),	SO/SO	AN	9	
	N404	26	Country Code	O	ID	2/3	Y	Remittance Address (Country Code)	SO/SO	AN	3	
3.4.2	BPR01	305	Transaction Handling Code	M	ID	1/1	Y	Transaction Type Code	M/M	AN	2	I - Payment Remittance
3.4.2	N301	166	Address Information	M	AN	1/35	Y	Remittance Address (Street Address 1)	BC/BC	AN	35	
	N302	166	Address Information	O	AN	1/35	Y	Remittance Address (Street Address 2)	BC/BC	AN	35	
3.4.2	N401	19	City Name	O	AN	2/30	Y	Remittance Address (City Name),	BC/BC	AN	30	
	N402	156	State or Province Code	O	ID	2/2	Y	Remittance Address (State or Province Code),	BC/BC	AN	2	
	N403	116	Postal Code	O	ID	3/9	Y	Remittance Address (Postal Code),	BC/BC	AN	9	
	N404	26	Country Code	O	ID	2/3	Y	Remittance Address (Country Code)	BC/BC	AN	3	
3.4.2	QTY03	355	Unit or Basis for Measurement Code	O	ID	2/2	Y	Unit of Measure	M/M	AN	2	BZ - Million BTU's; G8 - Gigacalories; GV - Gigajoules
3.4.3	BGN07 (new)	640	Transaction Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	Equivalent to BEG02 in the Nomination. Valid code value is BD - Statement of Account
3.4.3	N301	166	Address Information	M	AN	1/35	Y	Remittance Address (Street Address 1)	SO/SO	AN	35	
	N302	166	Address Information	O	AN	1/35	Y	Remittance Address (Street Address 2)	SO/SO	AN	35	
3.4.3	N401	19	City Name	O	AN	2/30	Y	Remittance Address (City Name),	SO/SO	AN	30	
	N402	156	State or Province Code	O	ID	2/2	Y	Remittance Address (State or Province Code),	SO/SO	AN	2	
	N403	116	Postal Code	O	ID	3/9	Y	Remittance Address (Postal Code),	SO/SO	AN	9	
	N404	26	Country Code	O	ID	2/3	Y	Remittance Address (Country Code)	SO/SO	AN	3	
3.4.4	BIG07 (new)	640	Transaction Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	Equivalent to BEG02 in the Nomination. Valid code value is T3 - Service Requester Level Invoice
3.4.4	N301	166	Address Information	M	AN	1/35	Y	Remittance Address (Street Address 1)	SO/SO	AN	35	
	N302	166	Address Information	O	AN	1/35	Y	Remittance Address (Street Address 2)	SO/SO	AN	35	

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3.4.4	N401	19	City Name	O	AN	2/30	Y	Remittance Address (City Name),	SO/SO	AN	30	
	N402	156	State or Province Code	O	ID	2/2	Y	Remittance Address (State or Province Code),	SO/SO	AN	2	
	N403	116	Postal Code	O	ID	3/9	Y	Remittance Address (Postal Code),	SO/SO	AN	9	
	N404	26	Country Code	O	ID	2/3	Y	Remittance Address (Country Code)	SO/SO	AN	3	
5.4.1	BQT01	353	Transaction Set Purpose Code	M	ID	2/2	Y	Transaction Set Purpose	M/M	AN	2	00 - Original 04 - Change
5.4.1	BQT06	92	Purchase Order Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	CR - Change to Release "Offer Download"
5.4.1	N101	98	Entity Identifier Code	M	ID	2/2	Y	Location Purpose	M/M	AN	2	Pending in R99024 This field describes the meter purpose of: receipt, delivery, injection, withdrawal, storage, etc.
5.4.2	BQR01	353	Transaction Set Purpose Code	M	ID	2/2	Y	Transaction Set Purpose	M/M	AN	2	00 - Original 04 - Change
5.4.2	BQR08 (new)	327	Change Order Sequence Number	O	AN	1/8	Y	Transaction Type Code	M/M	AN	2	new code value "B2" - "Bid Download"
5.4.2	N101	98	Entity Identifier Code	M	ID	2/2	Y	Location Purpose	M/M	AN	2	Pending in R99024 This field describes the meter purpose of: receipt, delivery, injection, withdrawal, storage, etc.
5.4.3	BQR01	353	Transaction Set Purpose Code	M	ID	2/2	Y	Transaction Set Purpose	M/M	AN	2	06 - Confirmation 15 - Resubmission
5.4.3	BQR08 (new)	327	Change Order Sequence Number	O	AN	1/8	Y	Transaction Type Code	M/M	AN	2	code value "65" - "Award Download"
5.4.3	N101	98	Entity Identifier Code	M	ID	2/2	Y	Location Purpose	M/M	AN	2	Pending in R99024 This field describes the meter purpose of: receipt, delivery, injection, withdrawal, storage, etc.
5.4.4	BCT01	683	Catalog Purpose Code	M	ID	2/2	Y	Transaction Type Code	AN	M/M	2	CP - Customized Catalog "Replacement Capacity"
5.4.4	N101	98	Entity Identifier Code	M	ID	2/2	Y	Location Purpose	M/M	AN	2	Pending in R99024 This field describes the meter purpose of: receipt, delivery, injection, withdrawal, storage, etc.
5.4.5	BQR08 (new)	327	Change Order Sequence Number	O	AN	1/8	Y	Transaction Type Code	M/M	AN	2	code value "WD" - "Withdrawal Download"
5.4.6	BQT11 (new)	327	Change Order Sequence Number	O	AN	1/8	Y	Transaction Type Code	M/M	AN	2	new code value "WU" - "Withdrawal Upload"
5.4.7	BQT06	92	Purchase Order Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	PD - Pre-arranged Deal "Offer Upload"

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5.4.7	N101	98	Entity Identifier Code	M	ID	2/2	Y	Location Purpose	M/M	AN	2	Pending in R99024 This field describes the meter purpose of: receipt, delivery, injection, withdrawal, storage, etc.
5.4.8	BQR08 (new)	327	Change Order Sequence Number	O	AN	1/8	Y	Transaction Type Code	M/M	AN	2	new code value "V5" - "Offer Upload Quick Response"
5.4.8	N101	98	Entity Identifier Code	M	ID	2/2	Y	Location Purpose	M/M	AN	2	Pending in R99024 This field describes the meter purpose of: receipt, delivery, injection, withdrawal, storage, etc.
5.4.9	BQT06	92	Purchase Order Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	PD - Pre-arranged Deal change to new code value "ON" - Offer Upload Notification
5.4.9	N101	98	Entity Identifier Code	M	ID	2/2	Y	Location Purpose	M/M	AN	2	Pending in R99024 This field describes the meter purpose of: receipt, delivery, injection, withdrawal, storage, etc.
5.4.10	BQR08 (new)	327	Change Order Sequence Number	O	AN	1/8	Y	Transaction Type Code	M/M	AN	2	new code value "OB" - "Offer Upload Bidder Confirmation"
5.4.11	OTI01	110	Application Acknowledgement Code	M	ID	1/2	N	(see note below)				BA - Batch Accept BR - Batch Reject
5.4.11	BGN07 (new)	640	Transaction Type Code	O	ID	2/2	Y	Transaction Type Code	AN	M/M	2	new code "V6" - Offer Upload Bidder Confirmation Quick Response
5.4.12	BC07 (new)	306	Action Code	O	ID	1/2	Y	Transaction Type Code	AN	M/M	2	new code "OD" - Offer Upload Final Disposition
5.4.13	BQT01	353	Transaction Set Purpose Code	M	ID	2/2	N	(see note below)				00 - Original 04 - Change
5.4.13	BQT02	586	Request for Quote Reference Number	M	AN	1/45	N	(see note below)	M/M	AN	2	"A unique number assigned by each pipeline for transaction tracking purposed. Send 'NA' if this identifier is not used."
5.4.13	BQT06	92	Purchase Order Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	CF - Confirmation "Operationally Available and Unsubscribed Capacity"
5.4.13	N101	98	Entity Identifier Code	M	ID	2/2	Y	Location Purpose	M/M	AN	2	Pending in R99024 This field describes the meter purpose of: receipt, delivery, injection, withdrawal, storage, etc.

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5.4.14	BIA02	755	Report Type Code	M	ID	2/2	Y	Transaction Type Code	M/M	AN	2	PS - Pipeline/Shipper Inventory Report "Request"
5.4.15	BIA02	755	Report Type Code	M	ID	2/2	Y	Transaction Type Code	M/M	AN	2	S8 - Report of Findings "Response"
5.4.16	BMG03 (new)	640	Transaction Type Code	O	ID	2/2	Y	Transaction Type Code	M/M	AN	2	"SN" - System-Wide Notices
5.4.17	BMG01	353	Transaction Set Purpose Code	M	ID	2/2	Y	Transaction Type Code	M/M	AN	2	22 - Information Copy "Note/Special Instruction"
5.4.17	N101	98	Entity Identifier Code	M	ID	2/2	Y	Location Purpose	M/M	AN	2	Pending in R99024 This field describes the meter purpose of: receipt, delivery, injection, withdrawal, storage, etc.
5.4.18	BQR08 (new)	327	Change Order Sequence Number	O	AN	1/8	Y	Transaction Type Code	M/M	AN	2	new code value "B1" - "Bid Upload"
5.4.18	N101	98	Entity Identifier Code	M	ID	2/2	Y	Location Purpose	M/M	AN	2	Pending in R99024 This field describes the meter purpose of: receipt, delivery, injection, withdrawal, storage, etc.
5.4.19	BQR08 (new)	327	Change Order Sequence Number	O	AN	1/8	Y	Transaction Type Code	M/M	AN	2	new code value "V7" - "Bid Upload Quick Response"
5.4.19	N101	98	Entity Identifier Code	M	ID	2/2	Y	Location Purpose	M/M	AN	2	Pending in R99024 This field describes the meter purpose of: receipt, delivery, injection, withdrawal, storage, etc.

Notes:

2.4.6 - The MEA Segment in the Flowing Gas PTD loop (PTD01 = FG) has some data elements, such as Component and Component Percentage, that are potentially repeated multiple times (i.e. once for each type of component). In the current flat file structure, this means the entire line would need to be duplicated for each Component to be sent. Technical recommends that a separate data element be defined for each Component to be sent so that multiple Components may be sent on one line within the flat file. This would eliminate the need for the data elements "Component" and "Component Percentage" in the MEA02 and MEA03. This proposed implementation is consistent with the way we are sending other data elements such as Specific Gravity.

5.4.11 will need to have OT101 changed since we are not recommending a data element here but there are two code values; one of the code values will need to be deleted.

5.4.13 - BQT01 (transaction set purpose) has two code values but was not addressed by Interpretation 7.3.43 which addresses original vs. change in the Offer, Bid and Award downloads. We recommend that no data element is needed here and that code value "04 - change" should be deleted since Interpretation 7.3.43 does not address this transaction, and since it is the only transaction with multiple code values in this element that was not addressed by the interpretation.

5.4.13 - BQT02 (request for quote reference number) either needs to be given a data element name that will serve as a unique identifier for the transaction, or the notes for BQT02 that imply that this element has some business value need to be deleted. Technical recommends that these notes be deleted.