



RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Duke Energy

Request No.: R96044

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
- 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

STANDARD LANGUAGE (for addition, modification or deletion of a principle, definition or business practice standard)

Standard No. and Language: 1.3.x

"When a Confirmation Requester receives a Confirmation Response document from a Confirming Party by the conclusion of a given quarter hour period, the Confirmation Requester will send to the Confirming Party's designated site a corresponding Confirmation Response Quick Response document by the conclusion of the subsequent quarter hour period.

The quarter hour periods will be defined to begin on the hour and at 15, 30, and 45 minutes past the hour. A given quarter hour will contain all transactions whose receipt time is less than the beginning of the subsequent quarter hour."

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Standard No. and Language: 1.3.y

"Confirming Parties' nightly processing and routine maintenance occurring outside of normal business hours are apt to interrupt the normal schedule of confirmations/quick response turnaround stated in GISB Standard 1.3.x. Such delays should be kept to a minimum. The normal schedule should be resumed at the earliest opportunity and no later than the start of normal working hours the following day, seven days per week."

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

Document Name and No.: Request for Confirmation, 1.4.3

Business Name	Definition	Usage	Condition
<i>Transaction Identifier</i>	<i>An identifier which references the document that originates this process.</i>	<i>M</i>	

Document Name and No.: Confirmation Response, 1.4.4

Business Name	Definition	Usage	Condition
<i>Transaction Identifier</i>	<i>An identifier which references the document that originates this process.</i>	<i>M</i>	<i>If the Confirmation Response is solicited, this contains the Transaction Identifier from the relevant Request for Confirmation. If the Confirmation Response is unsolicited, then this Transaction Identifier is created by the originator of the Confirmation Response.</i>

Document Name and No.: Confirmation Response Quick Response, 1.4.7 (new document)

Business Name	Definition	Usage	Condition
Beginning Date	This is the date that a transaction is to be initiated. It includes the century.	C	Sent when errors/warnings occur at the location/date level or at the confirmation tracking identifier level.
Beginning Time	This is the time that a transaction is to be initiated.	C	Sent when errors/warnings occur at the location/date level or at the confirmation tracking identifier level. In this case, if the Beginning Time is not sent, the time defaults to the beginning of the gas day

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Confirmation Requester*	The party requesting confirmation of nominated quantities at a point. This does not represent a third party 'agent' (which would be identified in the ISA).	M	
Confirmation Service Contract	Data element used to define a confirming party's right to make the confirmation.	C	Mandatory if present in the Confirmation Response and if processed, and when errors/warnings occur at the location/date level or at the confirmation tracking identifier level.
Confirmation Service Identifier Code*	This field identifies the owner of the confirmation service contract.	C	Required if Confirmation Service Contract Field is populated.
Confirmation Tracking Identifier	Used to identify a line item in the confirmation process. This field contains alpha-numeric data.	C	Sent when errors/warnings occur at the confirmation tracking identifier level.
Confirming Party*	The party confirming the nominated quantities at a point. This does not represent a third party 'agent' (which would be identified in the ISA).	M	
Ending Date	This is the last date that the transaction is to finish. It includes the century.	C	Sent when errors/warnings occur at the location/date level or at the confirmation tracking identifier level.
Ending Time	This is the time at which the transaction is to finish. If the Ending Time is not sent, the time defaults to the end of the gas day.	C	Sent when errors/warnings occur at the location/date level or at the confirmation tracking identifier level.
Location*	The location where the quantity will be scheduled by the transportation service provider.	C	Sent when errors/warnings occur at the location/date level or at the confirmation tracking identifier level.
Transaction Identifier	An identifier which references the document that originates this process.	M	
Transaction Status Code	Status of entire transaction set.	M	
Validation Code	Code that identifies errors/warnings.	C	Mandatory when the Transaction Status Code indicates that an error or warning was issued.
Validation Message	A text field which further explains the error or warning depicted by the Validation Code.	SO	

* Indicates Common Code

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CODE VALUES LOG (for addition, modification or deletion of code values)

Document Name and No.: Confirmation Response Quick Response, 1.4.7

Business Name	Usage	Code Value	Code Value Description	Code Value Definition
Transaction Status Code (Header Level)	M	RD	The entire transaction was rejected due to header level errors.	[No definition necessary]
		AT	The entire transaction was accepted	[No definition necessary]
		AE	Errors and/or warnings occurred in the transaction. Transaction has been acknowledged. Errors and/or warnings follow.	[No definition necessary]

Document Name and No.: Confirmation Response Quick Response, 1.4.7

Business Name	Usage	Code Value	Code Value Description	Code Value Definition
Validation Code [Header Level Errors]	C			
		ECRQR100	Invalid Confirmation Requester	[No definition necessary]
		ECRQR101	Missing Confirmation Requester	[No definition necessary]
		ECRQR102	Invalid Confirming Party	[No definition necessary]
		ECRQR103	Missing Confirming Party	[No definition necessary]
		ECRQR104	Invalid Transaction Identifier	[No definition necessary]
		ECRQR105	Missing Transaction Identifier	[No definition necessary]
		ECRQR106	Invalid transaction set purpose code (BAK01)	[No definition necessary]
		ECRQR107	Invalid acknowledgement type (BAK02)	[No definition necessary]
		ECRQR108	Invalid entity identifier code (N101)	[No definition necessary]
		ECRQR109	Invalid identification code qualifier (N103)	[No definition necessary]
		ECRQR999	Temporary Error Code - Message follows. Use only until code is approved for use.	[No definition necessary]

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[Header Level Warning]		WCRQR999	Temporary Warning Code - Message follows. Use only until code is approved for use.	[No definition necessary]
[Detail (Location) Level Errors]		ECRQR300	Invalid Confirmation Service Contract	[No definition necessary]
		ECRQR301	Missing Confirmation Service Contract	[No definition necessary]
		ECRQR302	Invalid Reduction Reason Code	[No definition necessary]
		ECRQR303	Invalid Beginning Date	[No definition necessary]
		ECRQR304	Missing Beginning Date	[No definition necessary]
		ECRQR305	Invalid Beginning Time	[No definition necessary]
		ECRQR306	Missing Beginning Time	[No definition necessary]
		ECRQR307	Invalid Ending Date	[No definition necessary]
		ECRQR308	Missing Ending Date	[No definition necessary]
		ECRQR309	Invalid Ending Time	[No definition necessary]
		ECRQR310	Missing Ending Time	[No definition necessary]
		ECRQR311	Invalid Location	[No definition necessary]
		ECRQR312	Missing Location	[No definition necessary]
		ECRQR313	Invalid Confirmation Service Identifier Code	[No definition necessary]
		ECRQR314	Missing Confirmation Service Identifier Code	[No definition necessary]
		ECRQR315	Invalid product/service id qualifier (PO1, 235 element)	[No definition necessary]
		ECRQR316	Invalid date/time qualifier (DTM01)	[No definition necessary]
		ECRQR317	Invalid date time period format qualifier (DTM06)	[No definition necessary]
		ECRQR318	Invalid entity identifier code (N101)	[No definition necessary]
		ECRQR319	Invalid identification code qualifier (N103)	[No definition necessary]
		ECRQR999	Temporary Error Code - Message follows. Use only until code is approved for use.	[No definition necessary]
[Detail (Location) Level Warnings]		WCRQR300	Confirmation Service Contract not processed	[No definition necessary]
		WCRQR301	Confirmation Service Identifier Code not processed	[No definition necessary]

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		WCRQR999	Temporary Warning Code - Message follows. Use only until code is approved for use.	[No definition necessary]
[Sub-detail (Confirmation Tracking) Level Errors]		ECRQR500	Invalid Confirmation Tracking Identifier	[No definition necessary]
		ECRQR501	Missing Confirmation Tracking Identifier	[No definition necessary]
		ECRQR502	Invalid Quantity	[No definition necessary]
		ECRQR503	Missing Quantity	[No definition necessary]
		ECRQR504	Invalid Contractual Flow Indicator	[No definition necessary]
		ECRQR505	Missing Contractual Flow Indicator	[No definition necessary]
		ECRQR506	Invalid Service Requester Contract	[No definition necessary]
		ECRQR507	Missing Service Requester Contract	[No definition necessary]
		ECRQR508	Invalid Downstream Contract Identifier	[No definition necessary]
		ECRQR509	Missing Downstream Contract Identifier	[No definition necessary]
		ECRQR510	Invalid Upstream Contract Identifier	[No definition necessary]
		ECRQR511	Missing Upstream Contract Identifier	[No definition necessary]
		ECRQR512	Invalid Package ID	[No definition necessary]
		ECRQR513	Missing Package ID	[No definition necessary]
		ECRQR514	Invalid Downstream Package ID (See R97022A)	[No definition necessary]
		ECRQR515	Missing Downstream Package ID (See R97022A)	[No definition necessary]
		ECRQR516	Invalid Upstream Package ID (See R97022A)	[No definition necessary]
		ECRQR517	Missing Upstream Package ID (See R97022A)	[No definition necessary]
		ECRQR518	Invalid Associated Contract	[No definition necessary]
		ECRQR519	Missing Associated Contract	[No definition necessary]
		ECRQR520	Invalid Receipt Rank (Priority)	[No definition necessary]

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		ECRQR521	Missing Receipt Rank (Priority)	[No definition necessary]
		ECRQR522	Invalid Delivery Rank (Priority)	[No definition necessary]
		ECRQR523	Missing Delivery Rank (Priority)	[No definition necessary]
		ECRQR524	Invalid Solicited/Unsolicited Indicator	[No definition necessary]
		ECRQR525	Missing Solicited/Unsolicited Indicator	[No definition necessary]
		ECRQR526	Invalid Reduction Reason Code	[No definition necessary]
		ECRQR527	Invalid Downstream Identifier Code	[No definition necessary]
		ECRQR528	Missing Downstream Identifier Code	[No definition necessary]
		ECRQR529	Invalid Upstream Identifier Code	[No definition necessary]
		ECRQR530	Missing Upstream Identifier Code	[No definition necessary]
		ECRQR531	Invalid Service Requester	[No definition necessary]
		ECRQR532	Missing Service Requester	[No definition necessary]
		ECRQR533	Invalid unit or basis for measurement code (SLN05)	[No definition necessary]
		ECRQR534	Invalid service characteristics qualifier (SI, 1000 element)	[No definition necessary]
		ECRQR535	Invalid entity identifier code (N101)	[No definition necessary]
		ECRQR536	Invalid identification code qualifier (N103)	[No definition necessary]
		ECRQR999	Temporary Error Code - Message follows. Use only until code is approved for use.	[No definition necessary]
[Sub-detail (Confirmation Tracking) Level Warnings]		WCRQR500	Downstream Contract Identifier not processed	[No definition necessary]
		WCRQR501	Upstream Contract Identifier not processed	[No definition necessary]
		WCRQR999	Temporary Warning Code - Message follows. Use only until code is approved for use.	[No definition necessary]

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

Standards Book: Nomination Related Standards, Technical Implementation of Business Process Request for Confirmation, 1.4.3

Language: [Insert as first sentence of third paragraph]

"The Request for Confirmation contains a **transaction identifier** which identifies the entire document."

Language:

[Sample Paper Transaction will be updated.]

Standards Book: Nomination Related Standards, Technical Implementation of Business Process Confirmation Response, 1.4.4

Language: [Insert as new second paragraph]

"The Confirmation Response contains a **transaction identifier** which identifies the entire document. If the Confirmation Response is solicited, this contains the transaction identifier from the relevant Request for Confirmation. If the Confirmation Response is unsolicited, then this transaction identifier is created by the originator of the Confirmation Response."

Language:

[Sample Paper Transaction will be updated.]

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Standards Book: Nomination Related Standards, Technical Implementation of Business Process Confirmation Response Quick Response, 1.4.7

Language: [Insert as new document, plus insert new sample paper transaction]

TECHNICAL IMPLEMENTATION OF BUSINESS PROCESS

The Confirmation Response Quick Response transaction (CRQR) is sent in response to a solicited Confirmation Response or an unsolicited Confirmation Response. It is sent by the receiver of the Confirmation Response back to the sender. The CRQR informs the **confirming party** of the status of the Confirmation Response. Note that the reported status strictly concerns the correctness of the data and does not act in the role of a subsequent Request for Confirmation.

The CRQR contains a **transaction identifier** which identifies the Confirmation Response document to which the CRQR is in response. If necessary, individual confirmation line items within the document are identified by the **confirmation tracking identifier**.

The CRQR also contains a **transaction status code** which indicates the status of the entire Confirmation Response transaction. It may also contain a **validation code(s)** which indicates any error or warning condition(s) which concerns either the entire Confirmation Response transaction or individual confirmation line items contained within. If additional information on specific validation codes is necessary, a **validation code message** may also be sent.

The entity common code for the party requesting confirmation is present in the **confirmation requester** data element. The entity common code for the party confirming is present in the **confirming party** data element.

Where error or warning conditions exist at the line item level in the Confirmation Response document, additional data is sent in order to uniquely identify the line item in question. These data include the **beginning date, beginning time, ending date, ending time** and the **location**.

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Document Name and No.: Confirmation Response Quick Response (1.4.7)

Description of Change:

[See attached Data Element Cross Reference to ASC X12, Sample ASC X12 Transaction and Transaction Set Tables]

[See attached X12 Mapping]

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Develop Quick Response for Confirmation Response

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b. Description of Recommendation:

Business Practices Subcommittee

[From November 20, 1997 Business Practices Subcommittee Conference Call minutes]

Develop a Confirmation Response Quick Response Transaction

Excerpt from Request R96044:

The Confirmation Response Quick Response document would be used by the confirmation request originator to relay the status of the confirmation response to the confirmation response originator. The confirmation requester would send the Request for Confirmation and the confirmation responder would return the Confirmation Response. Once the confirmation requester processes the Confirmation Response, a Confirmation Response Quick Response would be generated and returned to the confirmation responder. The quick response would contain the status of the transaction set and the confirmation line items within and error(s)/warning(s), if applicable. This would be especially useful if the confirmation response differs from the request for confirmation in some vital way (increased quantity, longer data range, etc.) The transaction set would be implemented in a similar manner as the Nomination Quick Response and the Pre-Determined Allocation Quick Response. The validation criteria would have to be determined.

Draft Business Practice Standards Language:

1.3.x "When a Confirmation Requester receives a Confirmation Response document from a Confirming Party by the conclusion of a given quarter hour period, the Confirmation Requester will send to the Confirming Party's designated site a corresponding Confirmation Response Quick Response document by the conclusion of the subsequent quarter hour period. "The quarter hour periods will be defined to begin on the hour and at 15, 30, and 45 minutes past the hour. A given quarter hour will contain all transactions whose receipt time is less than the beginning of the subsequent quarter hour."

1.3.y "Confirming Parties' nightly processing and routine maintenance occurring outside of normal business hours are apt to interrupt the normal schedule of confirmations/quick response turnaround stated in GISB Standard 1.3.x. Such delays should be kept to a minimum. The normal schedule should be resumed at the earliest opportunity and no later than the start of normal working hours the following day, seven days per week."

Action:

A motion was called and seconded to adopt the two business practice standards.

Sense of the Room: November 20, 1997 11 In Favor 4 Opposed

Segment Check (if applicable):

In Favor: 1 End-Users LDCs 5 Pipelines Producers 5 Services
Opposed: End-Users LDCs 4 Pipelines Producers Services

Draft Instructions to the Information Requirements Subcommittee (As amended in the meeting)

The BPS requests that the IR Subcommittee proceed with the development of the Confirmation Response Quick Response (CRQR) document requested in R96044. The document should be developed and implemented such that it will support the following business practices:



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- 1) If a Confirmation Response (CR) is received, then a CRQR should be returned, regardless of the presence or absence of errors detected in the CR.
- 2) The CRQR should report errors and warnings based on validation of the information provided in the CR. Based on the availability of information in the CR, the minimum level of validation should encompass location and entity codes and, where used, values in the contract identifier data elements. The receipt of an CRQR indicating an error-free CR does not complete the confirmation process.
- 3) Errors noted on the CRQR are correctable via submission of a subsequent CR.
- 4) The sequence of transactions in which the CRQR would be transmitted is summarized below:

STEP CONFIRMATION REQUESTER CONFIRMING PARTY

- 1) Send Request For Confirmation
- 2) Send Confirmation Response
- 3) Send CRQR
- 4) Send Confirmation Response to correct any errors noted in CRQR

(Repeat Steps 3 and 4 as needed to correct errors noted in the CRQR)

NOTE: The process may begin with Step 2 via an unsolicited Confirmation Response.

Discussion:

Ms. Kim Van Pelt explained the instructions shown on the work paper presented and posted for this item. The discussion centered on if a business practice standard was needed that stated that following receipt of a Confirmation Response, and Confirmation Response Quick Response should be sent, or if a business practice standard was needed that addressed the timelines for sending the two documents. After discussion it was determined that the business practice standards should address the timelines, patterned after the adopted language from request R97079.

Returning to the instructions to the Information Requirements Subcommittee language, Mr. Lander suggested that the language: "Based on availability of information in the CR, the minimum level of validation should encompass location and entity codes and, where used, values in the contract identifier data elements" could be added to the second instruction for clarification. After discussion it was determined to add the clarifying language.

The original transaction sequence included a reference to scheduled quantities. That reference was removed, as the standards and instructions are specific only to the confirmation process. However, in order to avoid introducing any ambiguities, language was added to the second instruction. This language described that even though an error-free Confirmation Response was received and responded to with a corresponding Confirmation Response Quick Response, the confirmation process was not necessarily completed as they may be additional "wraps" to the process. Language to this effect was added to the second instruction.

Action:

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A motion was called and seconded to adopt the revised instructions to the Information Requirements Subcommittee.

Sense of the Room: November 20, 1997 10 In Favor 4 Opposed

Segment Check (if applicable):

In Favor: 1 End-Users LDCs 5 Pipelines Producers 4 Services

Opposed: End-Users LDCs 4 Pipelines Producers Services

Information Requirements Subcommittee

January 6-7, 1998 IR Meeting: Implementation: Based on BPS instructions, IR addressed the request. A Confirmation Response Quick Response draft Data Dictionary (along with draft code values for the dataset) was developed and distributed. [See tables in Section 3 of this Recommendation Form.]

Warning codes [Data Element disregarded] were added for data elements which are BC in the RFC. These data elements are Confirmation Service Contract, Downstream Contract Identifier and Upstream Contract Identifier. This was done in order to facilitate the unsolicited Confirmation Response, where these data elements are conditional and there was no RFC to test the condition against. The addition of these warning messages is in no way indicative or dispositive concerning the addition of similar warning codes for other conditional data elements.

A draft Technical Implementation of Business Process will be prepared.
A draft Paper Sample for the document will be created.

Draft data dictionary and code values table will be sent to the TS as work in progress to allow them a "head start" in mapping the document. No objection noted.

IR will revisit this request at the next meeting and pass any additions, deletions, modifications on to the TS.

March 17, 1998 IR Meeting: Continued implementation:

Data dictionary modifications and clarifications were made. Please reference Data Dictionary for Confirmation Response Quick Response (separate document).

Changes to the draft Technical Implementation for Business Process description were made. Please reference TIBP description (separate document).

Add to TIBP for Request for Confirmation: [insert at beginning of third paragraph of RFC] *"The Request for Confirmation contains a **transaction identifier** which identifies the entire document."*

Add to TIBP for Confirmation Response: [new second paragraph] *"The Confirmation Response contains a transaction identifier which identifies the entire document. If the Confirmation Response is solicited, this contains the Transaction Identifier from the relevant Request for Confirmation. If the Confirmation Response is unsolicited, then this transaction identifier is created by the originator of the Confirmation Response."*

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Motion: Adopt CRQR Data Dictionary (including code value descriptions - separate document), Technical Implementation of Business Process, and Sample Paper Transaction (separate documents), as well as modifications to TIBP for Request for Confirmation and Confirmation Response and add Transaction Identifier to paper samples for Request for Confirmation and Confirmation Response.

Sense of the Room: March 17, 1998 11 In Favor 0 Opposed

Segment Check (if applicable):

In Favor: End-Users LDCs Pipelines Producers Services

Opposed: End-Users LDCs Pipelines Producers Services

Technical Subcommittee

January 16, 1998: Implement per draft IR Instructions. Map ANSI compliant (not in ASC X12 003040)

April 30, 1998: Implement per final IR Instructions. Map to ASC X12 003040.

May 4, 1998: Complete Implementation. Add errors and warnings for non-GISB (ANSI only) data elements.

Sense of the Room: May 4, 1998 6 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:

The Confirmation Response Quick Response document would be used by the confirmation request originator to relay the status of the confirmation response to the confirmation response originator. The confirmation requester would send the Request for Confirmation and the confirmation responder would return the Confirmation Response. Once the confirmation requester processes the Confirmation Response, a Confirmation Response Quick Response would be generated and returned to the confirmation responder. The quick response would contain the status of the transaction set and the confirmation line items within and error(s)/warning(s), if applicable. This would be especially useful if the confirmation response differs from the request for confirmation in some vital way (increased quantity, longer data range, etc.) The transaction set would be implemented in a similar manner as the Nomination Quick Response and the Pre-Determined Allocation Quick Response.

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

IR: Implemented per BPS instructions. For additional detail, please reference "Supporting Documentation" section above.

DATA ELEMENT CROSS REFERENCE TO ASC X12

Heading:

Segment	Usage	Segment Name/GISB Data Element Name
ST	M	Transaction Set Header
BAK	M	Transaction Status Code
	M	Transaction Identifier
PID	C	Validation Code
	SO	Validation Message
N1	M	Confirmation Requester
N1	M	Confirming Party

Detail:

Segment	Usage	Segment Name/GISB Data Element Name
PO1	C	Confirmation Service Contract
PID	C	Validation Code
	SO	Validation Message
DTM	C	Beginning Date
	C	Ending Date
	C	Beginning Time
	C	Ending Time
N1	C	Confirmation Service Identifier Code
N1	C	Location
Sub-detail:		
SLN	C	Confirmation Tracking Identifier
PID	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*855*012345678
BAK*27*AE*54321*960123
N1*41**1*208549725
N1*40**1*962078531
PO1*1*****CR*OBA4321
DTM*007*****RDT*199602010900-199602020900
N1*B2**1*321654987
N1*MQ**29*R111111111
SLN*1*C001*I*0*BZ
PID*S***AP*ECRQR519
CTT*1
SE*12*012345678

TRANSACTION SET TABLES

Errors and Warnings (Heading)

Validation Code	Description
ECRQR100	Invalid Confirmation Requester
ECRQR101	Missing Confirmation Requester
ECRQR102	Invalid Confirming Party
ECRQR103	Missing Confirming Party
ECRQR104	Invalid Transaction Identifier
ECRQR105	Missing Transaction Identifier
ECRQR106	Invalid transaction set purpose code (BAK01)
ECRQR107	Invalid acknowledgement type (BAK02)
ECRQR108	Invalid entity identifier code (N101)
ECRQR109	Invalid identification code qualifier (N103)
ECRQR999	Temporary Error Code - Message follows. Use only until code is approved for use.
WCRQR999	Temporary Warning Code - Message follows. Use only until code is approved for use.

Errors and Warnings (Detail)

Validation Code	Description
ECRQR300	Invalid Confirmation Service Contract
ECRQR301	Missing Confirmation Service Contract
ECRQR302	Invalid Reduction Reason Code
ECRQR303	Invalid Beginning Date
ECRQR304	Missing Beginning Date
ECRQR305	Invalid Beginning Time
ECRQR306	Missing Beginning Time
ECRQR307	Invalid Ending Date
ECRQR308	Missing Ending Date
ECRQR309	Invalid Ending Time

Validation Code	Description
ECRQR310	Missing Ending Time
ECRQR311	Invalid Location
ECRQR312	Missing Location
ECRQR313	Invalid Confirmation Service Identifier Code
ECRQR314	Missing Confirmation Service Identifier Code
ECRQR315	Invalid product/service id qualifier (PO1, 235 element)
ECRQR316	Invalid date/time qualifier (DTM01)
ECRQR317	Invalid date time period format qualifier (DTM06)
ECRQR318	Invalid entity identifier code (N101)
ECRQR319	Invalid identification code qualifier (N103)
ECRQR999	Temporary Error Code - Message follows. Use only until code approved for use.
WCRQR300	Confirmation Service Contract not processed
WCRQR301	Confirmation Service Identifier Code not processed
WCRQR999	Temporary Warning Code - Message follows. Use only until code approved for use.

N1 Segments (Detail)

Element Name (N104)	Usage	N101	N103
Location	C1	MQ	29
Confirmation Service Identifier Code	C2	B2	1

Usage:

- C1 Mandatory when error(s) or warning(s) exist at the detail or sub-detail level.
- C2 Mandatory when Confirmation Service Contract field (PO107) is populated.

Errors and Warnings (Sub-detail)

Validation Code	Description
ECRQR500	Invalid Confirmation Tracking Identifier
ECRQR501	Missing Confirmation Tracking Identifier
ECRQR502	Invalid Quantity
ECRQR503	Missing Quantity
ECRQR504	Invalid Contractual Flow Indicator
ECRQR505	Missing Contractual Flow Indicator
ECRQR506	Invalid Service Requester Contract
ECRQR507	Missing Service Requester Contract
ECRQR508	Invalid Downstream Contract Identifier
ECRQR509	Missing Downstream Contract Identifier
ECRQR510	Invalid UpstreamContract Identifier
ECRQR511	Missing UpstreamContract Identifier
ECRQR512	Invalid Package ID
ECRQR513	Missing Package ID
ECRQR514	Invalid Downstream Package ID
ECRQR515	Missing Downstream Package ID
ECRQR516	Invalid Upstream Package ID
ECRQR517	Missing Upstream Package ID
ECRQR518	Invalid Associated Contract
ECRQR519	Missing Associated Contract
ECRQR520	Invalid Receipt Rank (Priority)
ECRQR521	Missing Receipt Rank (Priority)
ECRQR522	Invalid Delivery Rank (Priority)
ECRQR523	Missing Delivery Rank (Priority)
ECRQR524	Invalid Solicited/Unsolicited Indicator
ECRQR525	Missing Solicited/Unsolicited Indicator
ECRQR526	Invalid Reduction Reason Code
ECRQR527	Invalid Downstream Identifier Code

Validation Code	Description
ECRQR528	Missing Downstream Identifier Code
ECRQR529	Invalid Upstream Identifier Code
ECRQR530	Missing Upstream Identifier Code
ECRQR531	Invalid Service Requester
ECRQR532	Missing Service Requester
ECRQR533	Invalid unit or basis for measurement code (SLN05)
ECRQR534	Invalid service characteristics qualifier (SI, 1000 element)
ECRQR535	Invalid entity identifier code (N101)
ECRQR536	Invalid identification code qualifier (N103)
ECRQR999	Temporary Error Code - Message follows. Use only until code approved for use.
WCRQR500	Downstream Contract Identifier not processed
WCRQR501	Upstream Contract Identifier not processed
WCRQR999	Temporary Warning Code - Message follows. Use only until code approved for use.

855 Purchase Order Acknowledgment

Functional Group ID=**PR**

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	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
	190	PID	Product/Item Description	O	200		
			LOOP ID - N1			200	
Must Use	300	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		n1
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	O	1		
	200	DTM	Date/Time/Period	O	10		
			LOOP ID - N1			200	
	370	N1	Name	O	1		
			LOOP ID - SLN			1000	
	490	SLN	Subline Item Detail	O	1		
	510	PID	Product/Item Description	O	1000		

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		n2
Must Use	030	SE	Transaction Set Trailer	M	1		

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			855 X12.9 Purchase Order Acknowledgment	
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9

Segment: **BAK** Beginning Segment for Purchase Order Acknowledgment
Position: 020
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	BAK01	353 Transaction Set Purpose Code 27 Verify	M ID 2/2
Must Use	BAK02	587 Acknowledgment Type <i>Transaction Status Code</i> AE Acknowledge - With Exception Detail Only Errors and/or warnings occurred in the transaction. Transaction has been acknowledged. Errors and/or warnings follow. AT Accepted The entire transaction was accepted. RD Reject with Detail The entire transaction was rejected due to header level errors.	M ID 2/2
Must Use	BAK03	324 Purchase Order Number <i>Transaction Identifier</i>	M AN 1/22
Must Use	BAK04	323 Purchase Order Date <i>The confirmation response quick response issue date.</i>	M DT 6/6

Segment: **PID** Product/Item Description
Position: 190
Loop:
Level: Heading:
Usage: Optional
Max Use: 200
Notes: For GISB, this segment is mandatory when BAK02 = 'RD' or when BAK02 = 'AE' and error(s) or warning(s) exist at the header level.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
Must Use	PID01	349 Item Description Type S Structured (From Industry Code List)	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
		<i>Refer to "Errors and Warnings (Heading)" table for usage and values.</i>	
	PID05	352 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: 300
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 indicated in the N101 element.*

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	N101	98 Entity Identifier Code	M ID 2/2
		40 Receiver	
		Confirming Party	
		41 Submitter	
		Confirmation Requester	
Must Use	N103	66 Identification Code Qualifier	X ID 1/2
		1 D-U-N-S Number, Dun & Bradstreet	
Must Use	N104	67 Identification Code	X AN 2/17
		<i>Confirming Party, Confirmation Requester</i>	

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 BAK02 = 'AE' and the error(s) or warning(s) exist at the detail or sub-detail level.*

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
Must Use	PO101	350	Assigned Identification	O AN 1/11
Must Use	PO106	235	Product/Service ID Qualifier	O ID 2/2
			CR Contract Number	
Must Use	PO107	234	Product/Service ID	X AN 1/30
			<i>Confirmation Service Contract</i>	

For GISB, this element is mandatory if present in the Confirmation Response and if processed, and when errors/warnings occur at the detail or sub-detail level.

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 BAK02 = 'AE' and the error(s) or warning(s) exist at the detail or sub-detail level.

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	PID01	349 Item Description Type S Structured (From Industry Code List)	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

Refer to "Errors and Warnings (Detail)" table for usage and values.

Must Use	PID05	352 Description Validation Message	X AN 1/80
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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: **DTM** Date/Time/Period
Position: 200
Loop: PO1 Optional
Level: Detail:
Usage: Optional
Max Use: 10
Notes: For GISB, this segment is mandatory when BAK02 = 'AE' and the error(s) or warning(s) exist at the detail or sub-detail level.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			007 Effective	
Must Use	DTM06	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 1996 would be stated as 19960401-19960430.	
			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 1996 would be stated 199604010900-199605010900.	
Must Use	DTM07	1251	Date Time Period	X AN 1/35
			<i>Beginning Date, Beginning Time, Ending Date, Ending Time</i>	

Segment: **N1** Name
Position: 370
Loop: N1 Optional
Level: Detail:
Usage: Optional
Max Use: 1
Notes: For GISB, this segment is mandatory when BAK02 = 'AE' and the error(s) or warning(s) exist at the detail or sub-detail level.

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	N101	98 Entity Identifier Code <i>Refer to "N1 Segments (Detail)" table for usage and values.</i>	M ID 2/2
Must Use	N103	66 Identification Code Qualifier <i>Refer to "N1 Segments (Detail)" table for usage and values.</i>	X ID 1/2
Must Use	N104	67 Identification Code <i>Refer to "N1 Segments (Detail)" table for usage and values.</i>	X AN 2/17

Confirmation Service Identifier Code, Location

Segment: **SLN** Subline Item Detail

Position: 490

Loop: SLN Optional

Level: Detail:

Usage: Optional

Max Use: 1

Notes: *For GISB, this segment is mandatory when BAK02 = 'AE' and the error(s) or warning(s) exist at the sub-detail level.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
Must Use	SLN01	350 Assigned Identification	M AN 1/11
Must Use	SLN02	350 Assigned Identification <i>Confirmation Tracking Identifier</i>	O AN 1/11
Must Use	SLN03	661 Configuration Code I Included	M ID 1/1
Must Use	SLN04	380 Quantity <i>For GISB, send zero.</i>	M R 1/15
Must Use	SLN05	355 Unit or Basis for Measurement Code BZ Million BTU's G8 Gigacalories GV Gigajoules	M ID 2/2

Segment: **PID** Product/Item Description
Position: 510
Loop: SLN Optional
Level: Detail:
Usage: Optional
Max Use: 1000
Notes: For GISB, this segment is mandatory when BAK02 = 'AE' and the error(s) or warning(s) exist at the sub-detail level.

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	PID01	349 Item Description Type S Structured (From Industry Code List)	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
		<i>Refer to "Errors and Warnings (Sub-detail)" table for usage and values.</i>	
	PID05	352 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>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	CTT01	354	Number of Line Items <i>The number of PO1 loops.</i>	M N0 1/6

Segment: **SE** Transaction Set Trailer
Position: 030
Loop:
Level: Summary:
Usage: Mandatory
Max Use: 1

Data Element Summary

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