

810 NAESB RXQ.3 Bill Ready Invoice & Single Retailer Billing Option Invoice

Functional Group ID=**IN**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

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>
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
	030	NTE	Non-Billing Party Required Messages (NTE~ADD)	O	100		
	030	NTE	Non-Billing Party Regulatory Messages (NTE~OTH)	O	100		
	050	REF	Non-Billing Party Account ID (REF~11)	C	12		
	050	REF	Original Invoice ID (REF~OI)	C	12		
M	050	REF	Customer ID (REF~12/Q5)	M	12		
	050	REF	Party Sending Bill (REF~BLT)	O	12		
	050	REF	Party Calculating Non-Billing Party Charges (REF~PC)	O	12		
LOOP ID - N1						200	
M	070	N1	Name: Distribution Company (N1~8S)	M	1		
LOOP ID - N1						200	
M	070	N1	Name: Supplier (N1~SJ)	M	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	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 - IT1						200000	
M	010	IT1	Baseline Item Data	M	1		
	120	REF	Distribution Company Rate Class (REF~NH)	C	>1		
	120	REF	Distribution Company Rate Subclass (REF~PR)	C	>1		
M	150	DTM	Service Period Start Date (DTM~150)	M	10		
M	150	DTM	Service Period End Date (DTM~151)	M	10		
LOOP ID - SLN						1000	
M	200	SLN	Subline Item Detail	M	1		
M	230	SAC	Service, Promotion, Allowance, or Charge Information	M	25		
	237	TXI	Tax Information	O	10		

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>
M	010	TDS	Total Monetary Value Summary	M	1		

M	070	CTT	Transaction Totals	M	1	n1
M	080	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Notes:

REQUIRED

ST~810~000000001

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 810 Invoice	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates
Syntax Notes:
Semantic Notes:

- 1 BIG01 is the invoice issue date.
- 2 BIG03 is the date assigned by the purchaser to purchase order.
- 3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments:

- 1 BIG07 is used only to further define the type of invoice when needed.

Notes:

REQUIRED

BIG~20010201~123567890120010201~~~2048392934504~~PR~00

Data Element Summary

	Ref.	Data			
	Des.	Element	Name	Attributes	
Must Use	BIG01	373	Date	M DT 8/8	
			Date expressed as CCYYMMDD		
			The transaction creation date - the date that the data was processed by the sender's application system.		
Must Use	BIG02	76	Invoice Number	M AN 1/22	
			Identifying number assigned by issuer		
			A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time. This number will be returned in the RMR02 of the 820 and/or the OTI03 of the 824.		
			Transaction Reference Numbers will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded.		
Dep	BIG05	328	Release Number	O AN 1/30	
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		
			Monthly Invoice: The cross-reference number originally transmitted in the 867 in the BPT02 must be sent in the BIG05 of the 810 and in the RMR loop REF~6O of the 820.		
			For a cancelled invoice the cross-reference will be made to the original meter read BPT02, not the cancelled meter read BPT02 transaction.		
Must Use	BIG07	640	Transaction Type Code	O ID 2/2	
			Code specifying the type of transaction		
			May use "FB" or "PR" as appropriate.		
			FB	Final Bill	
				Final bill sent for this customer from the Non-Billing Party.	
			PR	Product (or Service)	
				Used for Monthly Invoice	
Must Use	BIG08	353	Transaction Set Purpose Code	O ID 2/2	
			Code identifying purpose of transaction set		
			00	Original	
			01	Cancellation	
				Cancels an entire invoice/transaction	

Segment: **NTE** **Non-Billing Party Required Messages (NTE~ADD)**
Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Notes: Messages and notices from Non-Billing Party
OPTIONAL
NTE~ADD~NBP MESSAGES
NTE~ADD~LINE TWO OF MESSAGES

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	NTE01	363	Note Reference Code Code identifying the functional area or purpose for which the note applies ADD Additional Information	O ID 3/3
Must Use	NTE02	352	Description A free-form description to clarify the related data elements and their content	M AN 1/80

Segment: **NTE** **Non-Billing Party Regulatory Messages (NTE~OTH)**
Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Notes: Regulatory messages and notices from Non-Billing Party.
 OPTIONAL
 NTE~OTH~REGULATORY REQUIRED MESSAGES OR NOTICES
 NTE~OTH~LINE TWO OF REGULATORY MESSAGES

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	NTE01	363	Note Reference Code	O ID 3/3
			Code identifying the functional area or purpose for which the note applies	
			OTH Other Instructions	
Must Use	NTE02	352	Description	M AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **REF** Non-Billing Party Account ID (REF~11)

Position: 050

Loop:

Level: Heading

Usage: Conditional

Max Use: 12

Purpose: To specify identifying information

Syntax Notes: **1** At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Account number assigned by the Non-Billing Party

OPTIONAL

REF~11~123456789019990102

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			11 Account Number	
			Number identifies a telecommunications industry account	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **REF** Original Invoice ID (REF~OI)

Position: 050

Loop:

Level: Heading

Usage: Conditional

Max Use: 12

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Invoice ID from original invoice

REQUIRED on a Cancel (BIG08=01) transaction

REF~OI~123456789019990102

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			OI Original Invoice Number	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **REF** Customer ID (REF~12/Q5)

Position: 050

Loop:

Level: Heading

Usage: Mandatory

Max Use: 12

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Customer Account ID or SDID; ID that uniquely defines the Customer in the marketplace. See governing documents. Either REF~12 or REF~Q5 is required
REQUIRED

REF~12~1011111123456780

REF~Q5~10111111234567890ABCDEFGHIJKL

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 12 Billing Account Account number under which billing is rendered Account number for the Customer; sent in REF02 Q5 Property Control Number Service Delivery ID for the Customer; sent in REF03	M ID 2/3
Used	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Customer Account ID - use when REF01 = 12	X AN 1/30
Used	REF03	352	Description A free-form description to clarify the related data elements and their content Customer SDID - use when REF01 = Q5	X AN 1/80

Segment: **REF** Party Sending Bill (REF~BLT)

Position: 050

Loop:

Level: Heading

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

- Syntax Notes:**
- 1** At least one of REF02 or REF03 is required.
 - 2** If either C04003 or C04004 is present, then the other is required.
 - 3** If either C04005 or C04006 is present, then the other is required.

Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.

Comments:

Notes: Identifies the party sending the bill to the Customer

When REF01 is BLT, valid values for REF02 are:

-LDC (meaning the distribution company sends the bill to the customer)

-ESP (meaning the suppliers sends the bill to the customer)

-DUAL (meaning each party sends a bill to the customer)

OPTIONAL

REF~BLT~LDC

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BLT Billing Type	M ID 2/3
Used	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **REF** Party Calculating Non-Billing Party Charges (REF~PC)

Position: 050

Loop:

Level: Heading

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

OPTIONAL

REF~PC~DUAL

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification PC Production Code	M ID 2/3
Used	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **N1** **Name: Distribution Company (N1~8S)**

Position: 070

Loop: N1 Mandatory

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: **1** At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: REQUIRED

N1~8S~DISTRIBUTE-IT INC.~1~007909411~41

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		8S Consumer Service Provider (CSP)	
		Distribution Company	
Must Use	N102	93 Name	X AN 1/60
		Free-form name	
		Distribution Company Name	
Must Use	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
Must Use	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
		Distribution Company Entity ID	
Must Use	N106	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		40 Receiver	
		41 Submitter	

Segment: **N1** **Name: Supplier (N1~SJ)**

Position: 070

Loop: N1 Mandatory

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: **1** At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: REQUIRED

N1~SJ~SUPPLY-IT INC.~9~007909422CRN1~~40

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		SJ Service Provider	
		Supplier	
Must Use	N102	93 Name	X AN 1/60
		Free-form name	
		Supplier Name	
Must Use	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
Must Use	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
		Supplier Entity ID	
Must Use	N106	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		40 Receiver	
		41 Submitter	

Segment: **ITD** Terms of Sale/Deferred Terms of Sale

Position: 130

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify terms of sale

Syntax Notes: 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.

2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.

3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes: 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments: 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required;
if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Notes: Date payment is due to the Non-Billing Party in a Single Retailer Billing Option
marketplace (e.g. ERCOT)
REQUIRED for Single Retail Billing Option

ITD~~~~~20010215

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ITD06	446	Terms Net Due Date	O DT 8/8
			Date when total invoice amount becomes due expressed in format CCYYMMDD	
			Payment due date	

Segment:	IT1 Baseline Item Data
Position:	010
Loop:	IT1 Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax Notes:	1 If any of IT102 IT103 or IT104 is present, then all are required. 2 If either IT106 or IT107 is present, then the other is required. 3 If either IT108 or IT109 is present, then the other is required. 4 If either IT110 or IT111 is present, then the other is required. 5 If either IT112 or IT113 is present, then the other is required. 6 If either IT114 or IT115 is present, then the other is required. 7 If either IT116 or IT117 is present, then the other is required. 8 If either IT118 or IT119 is present, then the other is required. 9 If either IT120 or IT121 is present, then the other is required. 10 If either IT122 or IT123 is present, then the other is required. 11 If either IT124 or IT125 is present, then the other is required.
Semantic Notes:	1 IT101 is the purchase order line item identification.
Comments:	1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs. 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	Multiple IT1 Loops may be sent for each 810, and are differentiated by a combination of the IT109 element and the associated REF segments.

ACCOUNT: If the Non-Billing Party intends to display charges at an account level, one IT1 Loop is provided for the entire account: there may be *ONLY ONE* IT1 ACCOUNT loop per 810 transaction.

RATE: If the Non-Billing Party intends to display charges/taxes at a rate level, one IT1 Loop is provided for each rate and the rate is detailed in REF~NH
REQUIRED

IT1~1~~~~SV~ELECTRIC~C3~ACCOUNT
IT1~2~~~~SV~ELECTRIC~C3~RATE
IT1~1~~~~SV~GAS~C3~ACCOUNT
IT1~2~~~~SV~GAS~C3~RATE

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	IT101	350 Assigned Identification	M AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
Must Use	IT106	235 Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		SV Service Rendered	
Must Use	IT107	234 Product/Service ID	M AN 1/48
		Identifying number for a product or service	
		Only one commodity (Electric or Gas) for each 810 transaction	
		ELECTRIC	
		GAS	
Must Use	IT108	235 Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		C3 Classification	

Must Use	IT109	234	Product/Service ID	M AN 1/48
			Identifying number for a product or service	
		ACCOUNT	Charges/Taxes at an Account level	
			Account equates to a Customer as defined by NAESB standards	
		RATE	Charges/Taxes at a Rate Level	

Segment: **REF** **Distribution Company Rate Class (REF~NH)**

Position: 120

Loop: IT1 Mandatory

Level: Detail

Usage: Conditional

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: **1** At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Distribution Company Rate Class

IT109 = ACCOUNT: Not Used

IT109 = RATE: REQUIRED

REF~NH~RS1

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			NH Rate Card Number	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **REF** **Distribution Company Rate Subclass (REF~PR)**

Position: 120

Loop: IT1 Mandatory

Level: Detail

Usage: Conditional

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: **1** At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Distribution Company Rate Subclass

IT109 = ACCOUNT: Not Used

IT109 = RATE: REQUIRED if applicable

REF~PR~RSHT

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Distribution Company Rate Subclass	X AN 1/30

Segment: **DTM** **Service Period Start Date (DTM~150)**
Position: 150
Loop: IT1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Service Period Start Date. The full service period should match the applicable PTD loops from the 867
REQUIRED

DTM~150~20010106

Data Element Summary

	Ref.	Data		Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			150 Service Period Start	
Must Use	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: **DTM** Service Period End Date (DTM~151)
Position: 150
Loop: IT1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Service Period End Date. The full service period should match the applicable PTD loops from the 867
DTM~151~20010204
DTM~151~20010106

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			151 Service Period End	
Must Use	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment:	SLN Subline Item Detail
Position:	200
Loop:	SLN Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SLN04 or SLN05 is present, then the other is required. 2 If SLN07 is present, then SLN06 is required. 3 If SLN08 is present, then SLN06 is required. 4 If either SLN09 or SLN10 is present, then the other is required. 5 If either SLN11 or SLN12 is present, then the other is required. 6 If either SLN13 or SLN14 is present, then the other is required. 7 If either SLN15 or SLN16 is present, then the other is required. 8 If either SLN17 or SLN18 is present, then the other is required. 9 If either SLN19 or SLN20 is present, then the other is required. 10 If either SLN21 or SLN22 is present, then the other is required. 11 If either SLN23 or SLN24 is present, then the other is required. 12 If either SLN25 or SLN26 is present, then the other is required. 13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 SLN01 is the identifying number for the subline item. 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item. 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	<ol style="list-style-type: none"> 1 See the Data Element Dictionary for a complete list of IDs. 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	SLN is used to group charges together REQUIRED SLN~1~~A

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Used as a loop counter	M AN 1/20
Must Use	SLN03	662	Relationship Code Code indicating the relationship between entities A Add	M ID 1/1

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 230

Loop: SLN Mandatory

Level: Detail

Usage: Mandatory

Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge.
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: REQUIRED

```
SAC~C~EU~DIS001~2400~~~.016~KH~1500~~~~DUOS
SAC~C~EU~LPC001~500~~~100.00~EA~.05
SAC~C~EU~INT001~500~~~100.00~EA~.05
SAC~C~EU~INT003~500~~~100.00~EA~.05
SAC~C~EU~MSC003~2500~~~1~EA~25.00~~~~METER SEAL REPLACEMENT
CHARGE
```

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SAC01	248	Allowance or Charge Indicator	M ID 1/1
			Code which indicates an allowance or charge for the service specified	
			C Charge	
			N No Allowance or Charge	
			Ignore the amount in the SAC05 when summing the invoice total	
Must Use	SAC03	559	Agency Qualifier Code	X ID 2/2
			Code identifying the agency assigning the code values	
			EU Electric Utilities	
			GU Natural Gas Utilities	

Must Use	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code X AN 1/10 Agency maintained code identifying the service, promotion, allowance, or charge RBC. Refer to governing documents of marketplace
Must Use	SAC05	610	Amount O N2 1/15 Monetary amount This field must be signed if it is negative. The SAC08 multiplied by the SAC10 must always equal the SAC05
Must Use	SAC08	118	Rate O R 1/9 Rate expressed in the standard monetary denomination for the currency specified This field must be signed if it is negative. The SAC08 multiplied by the SAC10 must always equal the SAC05.
Must Use	SAC09	355	Unit or Basis for Measurement Code X ID 2/2 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to governing documents of marketplace
		4A	Bobbin A cylinder or spindle on which yarn or thread is wound ERCOT 4CP Kilowatt Demand
		4B	Cap Designates that the cap of a container is manufactured to dimensions that enable it to be used as a measuring device when mixing the contents of the container with another substance ERCOT 4CP KVA Demand
		4C	Centistokes 1 * 10/-6 square meters/second ERCOT 4CP Power Factor Adjusted
		4D	Curie A unit of radioactivity equal to 3.7 * 10/10 disintegrations per second ERCOT 4CP KVAR Demand
		99	Watt
		AF	Centigram A unit of metric weight equal to 0.01 gram or 0.000035 ounce
		DA	Days
		DO	Dollars, U.S.
		EA	Each
		HH	Hundred Cubic Feet ccf
		K1	Kilowatt Demand
		K2	Kilovolt Amperes Reactive Demand
		K3	Kilovolt Amperes Reactive Hour
		K4	Kilovolt Amperes
		K5	Kilovolt Amperes Reactive
		K7	Kilowatt
		KH	Kilowatt Hour
		MO	Months
		NA	Milligrams per Kilogram ERCOT NCP Kilowatt Demand
		NB	Barge ERCOT NCP KVA Demand

NC	Car
	ERCOT NCP Power Factor Adjusted
ND	Net Barrels
	ERCOT NCP KVAR Demand
RA	Rack
	ERCOT Ratchet Kilowatt Demand
RB	Radian
	ERCOT Ratchet KVA Demand
RC	Rod (area) - 16.25 Square Yards
	ERCOT Ratchet Power Factor Adjusted
RD	Rod (length) - 5.5 Yards
	ERCOT Ratchet KVAR Demand
TD	Therms
TZ	Thousand Cubic Feet

Must Use	SAC10	380	Quantity	X	R 1/15
			Numeric value of quantity		
			Consumption or Quantity		
			This field must be signed if it is negative. The SAC08 multiplied by the SAC10 must always equal the SAC05.		
Used	SAC11	380	Quantity	O	R 1/15
			Numeric value of quantity		
Used	SAC13	127	Print Sequencing Number	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			Used to assign a print sequencing number to determine the order that the line item will appear on the bill.		
Dep	SAC15	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment: **TXI Tax Information**

Position: 237

Loop: SLN Mandatory

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify tax information

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.

- Semantic Notes:**
- 1 TXI02 is the monetary amount of the tax.
 - 2 TXI03 is the tax percent expressed as a decimal.

- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Notes: REQUIRED if taxes are applicable to the preceding SAC charge.

TXI~FR~2.5~~~~A

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			CA City Tax	
			Service Tax imposed by City	
			CT County Tax	
			FR Franchise Tax	
			Franchise Fee	
			GR Gross Receipts Tax	
			LO Local Tax (Not Sales Tax)	
			Service tax imposed on a local level	
			LS State and Local Sales Tax	
			ST State Sales Tax	
Must Use	TXI02	782	Monetary Amount	X R 1/18
			Monetary amount	
			Calculated Tax Amount. If negative, this amount must be preceded by a negative sign.	
Must Use	TXI07	662	Relationship Code	O ID 1/1
			Code indicating the relationship between entities	
			A Add	
			The amount in the TXI02 is included when summing the invoice total.	

Segment: **TDS** **Total Monetary Value Summary**

Position: 010

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To specify the total invoice discounts and amounts

Syntax Notes:

- Semantic Notes:**
- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
 - 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
 - 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
 - 4 TDS04 indicates the total amount of terms discount.

Comments: 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Notes: Total amount due for this invoice, equals the algebraic sum of the amounts in the TXI02 and SAC05 segments with the exception of any charges that are designated to be ignored in the calculation in the TXI07 or SAC01.
REQUIRED

TDS~19875 (\$198.75 since the decimal is implied)

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TDS01	610	Amount	M N2 1/15

Monetary amount

If negative, this amount must be preceded by a negative sign. Note this is an implied decimal field: do not send the decimal point

Segment: CTT Transaction Totals

Position: 070

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Notes: REQUIRED

CTT~1

Data Element Summary

Must Use	Ref.	Data	Name	Attributes
	Des.	Element		
	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
			The number of IT1 segments.	

Segment: **SE** Transaction Set Trailer

Position: 080

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes: REQUIRED

SE~35~000000001

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	SE01	96 Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

810 NAESB RXQ.3 Rate Ready Invoice

Functional Group ID=**IN**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Heading:

Pos.	Seg.	Req.	Loop	Notes and
No.	ID	Des.	Repeat	Comments
M	010	ST	Transaction Set Header	
M	020	BIG	Beginning Segment for Invoice	
	050	REF	Non-Billing Party Account ID (REF~11)	
	050	REF	Original Invoice ID (REF~OI)	
M/U	050	REF	Customer ID (REF~12/Q5)	
M/U	050	REF	Party Sending Bill (REF~BLT)	
M/U	050	REF	Party Calculating Non-Billing Party Charges (REF~PC)	
LOOP ID - N1			200	
070	N1	O	Name: Distribution Company	
LOOP ID - N1			200	
070	N1	O	Name: Supplier	
130	ITD	O	Terms of Sale/Deferred Terms of Sale	

Detail:

Pos.	Seg.	Req.	Loop	Notes and
No.	ID	Des.	Repeat	Comments
LOOP ID - IT1			200000	
010	IT1	O	Baseline Item Data	
150	DTM	O	Service Period Start Date (DTM~150)	
150	DTM	O	Service Period End Date (DTM~151)	
LOOP ID - SLN			1000	
200	SLN	O	Subline Item Detail	
230	SAC	O	Service, Promotion, Allowance, or Charge Information	
237	TXI	O	Tax Information	

Summary:

Pos.	Seg.	Req.	Loop	Notes and
No.	ID	Des.	Repeat	Comments
M	010	TDS	Total Monetary Value Summary	
M/U	070	CTT	Transaction Totals	n1
M	080	SE	Transaction Set Trailer	

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Notes:

REQUIRED

ST~810~000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			810 Invoice	
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates
Syntax Notes:
Semantic Notes:

- 1 BIG01 is the invoice issue date.
- 2 BIG03 is the date assigned by the purchaser to purchase order.
- 3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments:

- 1 BIG07 is used only to further define the type of invoice when needed.

Notes:

REQUIRED

BIG~20010201~123567890120010201~~~2048392934504~~PR~00

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BIG01	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
			Date that the data was processed by the sender's application system	
Must Use	BIG02	76	Invoice Number	M AN 1/22
			Identifying number assigned by issuer	
			A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time. This number will be returned in the RMR02 of the 820 and/or the OTI03 of the 824.	
			Transaction Reference Number only contains uppercase letters (A to Z) and digits (0 to 9). Punctuation (spaces, dashes, etc.) must be excluded.	
Dep	BIG05	328	Release Number	O AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
			Monthly Invoice: The cross-reference number originally transmitted in the 867 in the BPT02 must be sent in the BIG05 of the 810 and in the RMR loop REF~6O of the 820.	
			For a cancelled invoice the cross-reference will be made to the original meter read BPT02, not the cancelled meter read BPT02 transaction.	
Must Use	BIG07	640	Transaction Type Code	O ID 2/2
			Code specifying the type of transaction	
			May use "FB" or "PR" as appropriate.	
			FB	Final Bill
				Final bill sent for this Customer from the Non-Billing Party.
			PR	Product (or Service)
				Used for Monthly Invoice
Must Use	BIG08	353	Transaction Set Purpose Code	O ID 2/2
			Code identifying purpose of transaction set	
		00	Original	
		01	Cancellation	
				Cancels an entire invoice/transaction
		07	Duplicate	
				This code will be used only in a Rate Ready scenario when the Distribution Company changes the bill due

date for the Customer. The Distribution Company will send an 810 to the Supplier, the only things changing from the original 810 are the duplicate code and the due date.

Segment:	REF	Non-Billing Party Account ID (REF~11)
Position:	050	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify identifying information	
Syntax Notes:	1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.	
Comments:		
Notes:	Account number assigned by the Non-Billing Party REQUIRED when previously provided by Non-Billing Party REF~11~123456789019990102	

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			11 Account Number	
			Number identifies a telecommunications industry account	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **REF** Original Invoice ID (REF~OI)

Position: 050

Loop:

Level: Heading

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Invoice ID from original invoice
REQUIRED on a Cancel (BIG08=01) transaction
REF~OI~123456789019990102

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification OI Original Invoice Number	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **REF** Customer ID (REF~12/Q5)

Position: 050

Loop:

Level: Heading

Usage: Optional (Must Use)

Max Use: 12

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

ID that uniquely defines Customer in the marketplace. See governing documents. Either REF~12 or REF~Q5 is required

REQUIRED

REF~12~1011111123456780

REF~Q5~10111111234567890ABCDEFGHIJKL

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			12 Billing Account	
			Account number under which billing is rendered	
			Account number for the Customer; sent in REF02	
			Q5 Property Control Number	
			Service Delivery ID for the Customer; sent in REF03	
Used	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Customer Account ID - use when REF01 = 12	
Used	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			Customer SDID - use when REF01 = Q5	

Segment: **REF** Party Sending Bill (REF~BLT)

Position: 050

Loop:

Level: Heading

Usage: Optional (Must Use)

Max Use: 12

Purpose: To specify identifying information

- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: Identifies the party sending the bill to the Customer

Valid REF02 values when REF01=BLT:

-LDC (meaning the Distribution Company sends the bill to the Customer)

-ESP (meaning the Supplier sends the bill to the Customer)

-DUAL (meaning each party sends a bill to the Customer)

REQUIRED

REF~BLT~LDC

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BLT Billing Type	M ID 2/3
Used	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **REF** Party Calculating Non-Billing Party Charges (REF~PC)

Position: 050

Loop:

Level: Heading

Usage: Optional (Must Use)

Max Use: 12

Purpose: To specify identifying information

- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

REQUIRED

REF~PC~DUAL

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification PC Production Code	M ID 2/3
Used	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **N1** **Name: Distribution Company**

Position: 070

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: **1** At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: REQUIRED

N1~8S~DISTRIBUTE-IT INC.~1~007909411~41

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		8S Consumer Service Provider (CSP)	
		Distribution Company	
Must Use	N102	93 Name	X AN 1/60
		Free-form name	
		Distribution Company Name	
Must Use	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
Must Use	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
		Distribution Company Entity ID	
Must Use	N106	98 Entity Identifier Code	O ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		40 Receiver	
		41 Submitter	

Segment: **N1** **Name: Supplier**

Position: 070

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: 1 At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: REQUIRED

N1~SJ~SUPPLY-IT INC.~9~007909422CRN1~~40

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		SJ Service Provider	
		Supplier	
Must Use	N102	93 Name	X AN 1/60
		Free-form name	
		Supplier Name	
Must Use	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
Must Use	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
		Supplier Entity ID	
Must Use	N106	98 Entity Identifier Code	O ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		40 Receiver	
		41 Submitter	

Segment: **ITD** Terms of Sale/Deferred Terms of Sale

Position: 130

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify terms of sale

Syntax Notes: **1** If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.

2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.

3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes: **1** ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments: **1** If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required;
if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Notes: Date payment is due from Customer

REQUIRED

ITD~~~~~20010215

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	ITD06	446 Terms Net Due Date	O DT 8/8
Date when total invoice amount becomes due expressed in format CCYYMMDD			

Segment:	IT1	Baseline Item Data
Position:	010	
Loop:	IT1	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions	
Syntax Notes:	1 If any of IT102 IT103 or IT104 is present, then all are required. 2 If either IT106 or IT107 is present, then the other is required. 3 If either IT108 or IT109 is present, then the other is required. 4 If either IT110 or IT111 is present, then the other is required. 5 If either IT112 or IT113 is present, then the other is required. 6 If either IT114 or IT115 is present, then the other is required. 7 If either IT116 or IT117 is present, then the other is required. 8 If either IT118 or IT119 is present, then the other is required. 9 If either IT120 or IT121 is present, then the other is required. 10 If either IT122 or IT123 is present, then the other is required. 11 If either IT124 or IT125 is present, then the other is required.	
Semantic Notes:	1 IT101 is the purchase order line item identification.	
Comments:	1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs. 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.	
Notes:	REQUIRED IT1~1~~~~SV~ELECTRIC~C3~ACCOUNT	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
Must Use	IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SV Service Rendered	X ID 2/2
Must Use	IT107	234	Product/Service ID Identifying number for a product or service Only one commodity (electric or gas) for each 810 transaction. ELECTRIC GAS	X AN 1/48
Must Use	IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) C3 Classification	X ID 2/2
Must Use	IT109	234	Product/Service ID Identifying number for a product or service ACCOUNT Charges/Taxes at an Account level Account equates to a Customer Account	X AN 1/48

Segment: **DTM** Service Period Start Date (DTM~150)
Position: 150
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

The full service period should match the applicable PTD loops from the Usage 867.

REQUIRED

DTM~150~20010106

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			150 Service Period Start	
Must Use	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: **DTM** Service Period End Date (DTM~151)
Position: 150
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

The full service period should match the applicable PTD loops from the Usage 867.

REQUIRED

DTM~151~20010204

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			151 Service Period End	
Must Use	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment:	SLN Subline Item Detail
Position:	200
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SLN04 or SLN05 is present, then the other is required. 2 If SLN07 is present, then SLN06 is required. 3 If SLN08 is present, then SLN06 is required. 4 If either SLN09 or SLN10 is present, then the other is required. 5 If either SLN11 or SLN12 is present, then the other is required. 6 If either SLN13 or SLN14 is present, then the other is required. 7 If either SLN15 or SLN16 is present, then the other is required. 8 If either SLN17 or SLN18 is present, then the other is required. 9 If either SLN19 or SLN20 is present, then the other is required. 10 If either SLN21 or SLN22 is present, then the other is required. 11 If either SLN23 or SLN24 is present, then the other is required. 12 If either SLN25 or SLN26 is present, then the other is required. 13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 SLN01 is the identifying number for the subline item. 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item. 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	<ol style="list-style-type: none"> 1 See the Data Element Dictionary for a complete list of IDs. 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	<p>The SLN will be used to group charges together.</p> <p>REQUIRED</p> <p>SLN~1~~A</p>

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Used as a loop counter	M AN 1/20
Must Use	SLN03	662	Relationship Code Code indicating the relationship between entities A Add	M ID 1/1

Segment: **SAC** Service, Promotion, Allowance, or Charge Information

Position: 230

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge.
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: REQUIRED

```
SAC~C~EU~DIS001~2400~~.016~KH~1500~~~~DUOS
SAC~C~EU~LPC001~500~~100.00~EA~.05
SAC~C~EU~INT001~500~~100.00~EA~.05
SAC~C~EU~INT003~500~~100.00~EA~.05
SAC~C~EU~MSC003~2500~~1~EA~25.00~~~~METER SEAL REPLACEMENT
CHARGE
```

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified C Charge N No Allowance or Charge Ignore this SAC05 amount when summing the invoice total	M ID 1/1
Must Use	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values EU Electric Utilities GU Natural Gas Utilities	X ID 2/2

Must Use	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code X AN 1/10 Agency maintained code identifying the service, promotion, allowance, or charge RBC. Refer to governing documents for marketplace for list of valid codes
Must Use	SAC05	610	Amount O N2 1/15 Monetary amount This field must be signed if it is negative. The SAC08 multiplied by the SAC10 must always equal the SAC05
Must Use	SAC08	118	Rate O R 1/9 Rate expressed in the standard monetary denomination for the currency specified This field must be signed if it is negative. The SAC08 multiplied by the SAC10 must always equal the SAC05.
Must Use	SAC09	355	Unit or Basis for Measurement Code X ID 2/2 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to governing documents for marketplace for list of valid codes
		4A	Bobbin A cylinder or spindle on which yarn or thread is wound ERCOT 4CP Kilowatt Demand
		4B	Cap Designates that the cap of a container is manufactured to dimensions that enable it to be used as a measuring device when mixing the contents of the container with another substance ERCOT 4CP KVA Demand
		4C	Centistokes 1 * 10 ⁻⁶ square meters/second ERCOT 4CP Power Factor Adjusted
		4D	Curie A unit of radioactivity equal to 3.7 * 10 ¹⁰ disintegrations per second ERCOT 4CP KVAR Demand
		99	Watt
		AF	Centigram A unit of metric weight equal to 0.01 gram or 0.000035 ounce
		DA	Days
		DO	Dollars, U.S.
		EA	Each
		HH	Hundred Cubic Feet ccf
		K1	Kilowatt Demand
		K2	Kilovolt Amperes Reactive Demand
		K3	Kilovolt Amperes Reactive Hour
		K4	Kilovolt Amperes
		K5	Kilovolt Amperes Reactive
		K7	Kilowatt
		KH	Kilowatt Hour
		MO	Months
		NA	Milligrams per Kilogram ERCOT NCP Kilowatt Demand
		NB	Barge ERCOT NCP KVA Demand

NC	Car
	ERCOT NCP Power Factor Adjusted
ND	Net Barrels
	ERCOT NCP KVAR Demand
RA	Rack
	ERCOT Ratchet Kilowatt Demand
RB	Radian
	ERCOT Ratchet KVA Demand
RC	Rod (area) - 16.25 Square Yards
	ERCOT Ratchet Power Factor Adjusted
RD	Rod (length) - 5.5 Yards
	ERCOT Ratchet KVAR Demand
TD	Therms
TZ	Thousand Cubic Feet

Must Use SAC10 380 Quantity X R 1/15

Numeric value of quantity

Consumption or Quantity. This field must be signed if it is negative. SAC08 x SAC10 always equals SAC05.

Segment: **TXI Tax Information**

Position: 237

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify tax information

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.

- Semantic Notes:**
- 1 TXI02 is the monetary amount of the tax.
 - 2 TXI03 is the tax percent expressed as a decimal.
 - 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963	Tax Type Code Code specifying the type of tax CA City Tax Service Tax imposed by City CT County Tax FR Franchise Tax GR Gross Receipts Tax LO Local Tax (Not Sales Tax) Service tax imposed on a local level LS State and Local Sales Tax ST State Sales Tax	M ID 2/2
Must Use	TXI02	782	Monetary Amount Monetary amount	X R 1/18
Must Use	TXI07	662	Relationship Code Code indicating the relationship between entities A Add	O ID 1/1

Segment: **TDS** **Total Monetary Value Summary**

Position: 010

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To specify the total invoice discounts and amounts

Syntax Notes:

Semantic Notes:

- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
- 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
- 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
- 4 TDS04 indicates the total amount of terms discount.

Comments: 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Notes:

TDS01 is the total amount due for this invoice and must equal the algebraic sum of the amounts in the TXI02 and SAC05 segments with the exception of any charges that are designated to be ignored in the calculation in the TXI07 or SAC01. If this amount is negative, send the minus sign.

REQUIRED

TDS~19875 (Represents \$198.75 since the decimal is implied)

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TDS01	610	Amount	M N2 1/15

Monetary amount

If negative, this amount must be preceded by a negative sign. Implied decimal field: DO NOT send the decimal point

Segment: **CTT** Transaction Totals

Position: 070

Loop:

Level: Summary

Usage: Optional (Must Use)

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax Notes: **1** If either CTT03 or CTT04 is present, then the other is required.

2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.

Notes: REQUIRED

CTT~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
			Total number of line items in the transaction set	
			The number of IT1 segments.	

Segment: **SE** Transaction Set Trailer

Position: 080

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes: REQUIRED

SE~35~000000001

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

820 NAESB RXQ.3 Payment Order/Remittance Advice

Functional Group ID=**RA**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to make a payment, send a remittance advice, or make a payment and send a remittance advice. This transaction set can be an order to a financial institution to make a payment to a payee. It can also be a remittance advice identifying the detail needed to perform cash application to the payee's accounts receivable system. The remittance advice can go directly from payer to payee, through a financial institution, or through a third party agent.

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>
M	010	ST	Transaction Set Header	M	1		
M	020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
	035	TRN	Trace	C	1		c1
			LOOP ID - N1			>1	
M	070	N1	Name: Payee	M	1		c2
			LOOP ID - N1			>1	
M	070	N1	Name: Payer	M	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 - ENT			>1	
M	010	ENT	Entity	M	1		n1, c3
			LOOP ID - RMR			>1	
M	150	RMR	Remittance Advice Accounts Receivable Open Item Reference	M	1		c4
M	170	REF	Usage ID (REF~6O)	M	>1		
M	170	REF	Customer ID (REF~12/Q5)	M	>1		
	170	REF	Non-Billing Party Account ID (REF~11)	C	>1		
	170	REF	Old Customer Account ID (REF~45)	C	>1		
M	170	REF	Commodity Service Type (REF~QY)	M	>1		
M	180	DTM	Date Posted (DTM~809)	M	>1		

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>
M	010	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The ENT loop is for vendor or consumer third party consolidated payments.

Transaction Set Comments

1. The TRN segment is used to uniquely identify a payment order/remittance advice.

2. The N1 loop allows for name/address information for the payer and payee which would be utilized to address remittance(s) for delivery.
3. ENT09 may contain the payee's accounts receivable customer number.
4. Loop RMR is for open items being referenced or for payment on account.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Notes:

REQUIRED

ST~820~000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			820 Payment Order/Remittance Advice	
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment: **BPR** Beginning Segment for Payment Order/Remittance Advice

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of a Payment Order/Remittance Advice Transaction Set and total payment amount, or to enable related transfer of funds and/or information from payer to payee to occur

Syntax Notes: 1 If either BPR06 or BPR07 is present, then the other is required.

2 If BPR08 is present, then BPR09 is required.

3 If either BPR12 or BPR13 is present, then the other is required.

4 If BPR14 is present, then BPR15 is required.

5 If either BPR18 or BPR19 is present, then the other is required.

6 If BPR20 is present, then BPR21 is required.

Semantic Notes: 1 BPR02 specifies the payment amount.

2 When using this transaction set to initiate a payment, all or some of BPR06 through BPR16 may be required, depending on the conventions of the specific financial channel being used.

BPR06 and BPR07 relate to the originating depository financial institution (ODFI).

3 BPR08 is a code identifying the type of bank account or other financial asset.

4 BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.

5 BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).

6 BPR14 is a code identifying the type of bank account or other financial asset.

7 BPR15 is the account number of the receiving company to be debited or credited with the payment order.

8 BPR16 is the date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).

9 BPR17 is a code identifying the business reason for this payment.

10 BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.

11 BPR20 is a code identifying the type of bank account or other financial asset.

Comments:

Notes:

820 remittance advice is sent daily and includes all applicable adjustments as long as adjustments are not larger than payments.

If adjustments are larger (creating a negative remittance advice), the sender will hold the remittance advice for one business day.

If negative remittance cannot be offset in one business day, the payer contacts the payee to determine the best remedy.

REQUIRED

BPR~I~1000.00~C~FWT~~~~~20010731

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BPR01	305	Transaction Handling Code Code designating the action to be taken by all parties I Remittance Information Only	M ID 1/2
Must Use	BPR02	782	Monetary Amount Monetary amount The total positive amount (including zero) being sent to Payee. Monetary Amount must equal the sum of all Detail Position 150 RMR04 elements.	M R 1/18
Must Use	BPR03	478	Credit/Debit Flag Code Code indicating whether amount is positive or negative C Credit	M ID 1/1
Must Use	BPR04	591	Payment Method Code	M ID 3/3

Code identifying the method for transmitting the payment

ACH Automated Clearing House (ACH)

FEW Federal Reserve Funds/Wire Transfer - Repetitive

FWT Federal Reserve Funds/Wire Transfer - Nonrepetitive

Must Use BPR16 373

Funds Transfer Date O DT 8/8

Date [CCYYMMDD] when Payee intends for the transaction to be settled

The date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).

Segment: **TRN** Trace
Position: 035
Loop:
Level: Heading
Usage: Conditional
Max Use: 1
Purpose: To uniquely identify a transaction to an application
Syntax Notes:
Semantic Notes:

- 1 TRN02 provides unique identification for the transaction.
- 2 TRN03 identifies an organization.
- 3 TRN04 identifies a further subdivision within the organization.

Comments:

Notes: Unique ID identifying this transaction, created by the originator, enabling cross-reference to ACH or wire payments.
 REQUIRED when this 820 is for remittance information only

TRN~3~UCP103941

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	TRN01	481	Trace Type Code	M ID 1/2
			Code identifying which transaction is being referenced	
			3 Financial Reassociation Trace Number	
Must Use	TRN02	127	Payment Reference ID	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Transaction Reference numbers contain only uppercase letters (A to Z) and digits (0 to 9); punctuation (spaces, dashes, etc.) must be excluded	

Segment: **N1** **Name: Payee**

Position: 070

Loop: N1 Mandatory

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: **1** At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: Receiver of the payment/remittance advice

REQUIRED

N1~PE~PAYEE COMPANY~1~007191969

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			PE Payee	
Must Use	N102	93	Name	X AN 1/60
			Free-form name	
			Payee Name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
Must Use	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			Payee Entity ID	

Segment: **N1** **Name: Payer**

Position: 070

Loop: N1 Mandatory

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: 1 At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: Initiator of the payment/remittance advice

REQUIRED

N1~PR~PAYER CO~9~0079111957CRN1

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			PR Payer	
Must Use	N102	93	Name	X AN 1/60
			Free-form name	
			Payer Name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
Must Use	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			Payer D-U-N-S Number or D-U-N-S + 4 Number	

Segment: **ENT** Entity

Position: 010

Loop: ENT Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To designate the entities which are parties to a transaction and specify a reference meaningful to those entities

- Syntax Notes:**
- 1 If any of ENT02 ENT03 or ENT04 is present, then all are required.
 - 2 If any of ENT05 ENT06 or ENT07 is present, then all are required.
 - 3 If either ENT08 or ENT09 is present, then the other is required.

Semantic Notes:

- Comments:**
- 1 This segment allows for the grouping of data by entity/entities at or within a master/masters. A master (e.g., an organization) can be comprised of numerous subgroups (e.g., entities). This master may send grouped data to another master (e.g., an organization) which is comprised of one or more entities. Groupings are as follows:
 - (1) Single/Single: Only ENT01 is necessary, because there is a single entity (the sending master) communicating with a single entity (the receiving master).
 - (2) Single/Multiple: ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master. The sending master is a single entity, so no other data elements need be used.
 - (3) Multiple/Single: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. The receiving master is a single entity, so no other data elements need be used.
 - (4) Multiple/Multiple: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master.
- This segment also allows for the transmission of a unique reference number that is meaningful between the entities.

Notes: Only one ENT loop per 820

REQUIRED

ENT~1

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ENT01	554	Assigned Number	O N0 1/6
Number assigned for differentiation within a transaction set				

Segment:	RMR	Remittance Advice Accounts Receivable Open Item Reference
Position:	150	
Loop:	RMR	Mandatory
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify the accounts receivable open item(s) to be included in the cash application and to convey the appropriate detail	
Syntax Notes:	1 If either RMR01 or RMR02 is present, then the other is required. 2 If either RMR07 or RMR08 is present, then the other is required.	
Semantic Notes:	1 If RMR03 is present, it specifies how the cash is to be applied. 2 RMR04 is the amount paid. 3 RMR05 is the amount of invoice (including charges, less allowance) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items. 4 RMR06 is the amount of discount taken. 5 RMR08, if present, represents an interest penalty payment, amount late interest paid, or amount anticipation.	
Comments:	1 Parties using this segment should agree on the content of RMR01 and RMR02 prior to initiating communication. 2 If RMR03 is not present, this is a payment for an open item. If paying an open item, RMR02 must be present. If not paying a specific open item, RMR04 must be present. 3 RMR05 may be needed by some payees to distinguish between duplicate reference numbers.	
Notes:	A separate RMR loop & segment is required for each Customer ID payment remittance reported REQUIRED RMR~IK~123455~~1000.00 RMR~IK~123455~~-1000.00	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	RMR01	128	Reference Identification Qualifier Code qualifying the Reference Identification IK Invoice Number Single Retailer Billing Option use only; invoice ID from the BIG02 of the 810 Invoice	X ID 2/3
Must Use	RMR02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Single Retailer Billing Option use only; Invoice Number	X AN 1/30
Used	RMR03	482	Payment Action Code Code specifying the accounts receivable open item(s), if any, to be included in the cash application. AJ Adjustment AJ limited to: a) Payment was made to the wrong vendor, or b) Duplicate Payment PO Payment on Account	O ID 2/2
Must Use	RMR04	782	Net Amount Paid Monetary amount Payment or adjustment amount - the sum of all Detail Position 150 RMR04 elements must equal the amount in Header Position 020 BPR02. Please see the Notes section in the BPR Segment for instructions on how to handle a negative remittance.	O R 1/18
Used	RMR05	782	Discount Amount Monetary amount	O R 1/18
Used	RMR06	782	Original Invoice Amount	O R 1/18

Used	RMR07	426	Monetary amount	
			Adjustment Reason Code	X ID 2/2
			Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment	
			26	Invoice Cancelled
			72	Authorized Return
			CS	Adjustment
			IF	Insufficient Funds

Used	RMR08	782	Adjustment Amount	X R 1/18
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Monetary amount

Signed if negative, amount in RMR04 will always be the same as the amount in RMR08. The adjustment amount is only populated if there is an adjustment to be made.

Segment: **REF** Usage ID (REF~6O)

Position: 170

Loop: RMR Mandatory

Level: Detail

Usage: Mandatory

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Usage ID establishes a cross-reference to Usage (867 BPT02)

REQUIRED

REF~6O~2348400586

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			6O Cross Reference Number	
Must Use	REF02	127	Usage ID	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Usage ID only contains uppercase letters (A to Z) and digits (0 to 9). Punctuation (spaces, dashes, etc.) must be EXCLUDED.	

Segment: **REF** Customer ID (REF~12/Q5)

Position: 170

Loop: RMR Mandatory

Level: Detail

Usage: Mandatory

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Unique ID that identifies Customer in marketplace. Use either 12 or Q5, not both.

- REF~12 uses REF02 for ID; usually LDC Account Number

- REF~Q5 uses REF03 for ID; usually the ESI ID (ERCOT)

REQUIRED

REF~12~1234567890

REF~Q5~10111111234567890ABCDEFGHIJKLMNOPS

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			12 Billing Account	
			Account number under which billing is rendered	
			Customer Account ID; use REF02	
			Q5 Property Control Number	
			Service Delivery ID (same as ESI ID); use REF03	
Used	REF02	127	Account ID	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Must Use	REF03	352	SD ID	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **REF** Non-Billing Party Account ID (REF~11)

Position: 170

Loop: RMR Mandatory

Level: Detail

Usage: Conditional

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: **1** At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Non-Billing Party Account ID identifies the Customer in Non-Billing Party systems

REQUIRED when provided by the Non-Billing Party

REF~11~3940193248

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			11 Account Number	
			Number identifies a telecommunications industry account	
Must Use	REF02	127	Non-Billing Party Account ID	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Non-Billing Party Account ID only contains uppercase letters (A to Z) and digits (0 to 9). Punctuation (spaces, dashes, etc.) must be EXCLUDED, and leading and trailing zeros that are part of the ID must be present	

Segment: **REF** Old Customer Account ID (REF~45)

Position: 170

Loop: RMR Mandatory

Level: Detail

Usage: Conditional

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: **1** At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Old Customer ID is a cross-reference to old Customer IDs used by a Utility or Billing Party prior to an Customer ID change
REQUIRED if the Customer ID has changed within the last 45 days. Does not apply to Non-Billing Party Account ID.

REF~45~1105687500

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 45 Old Account Number Identifies accounts being changed	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Customer ID only contains uppercase letters (A to Z) and digits (0 to 9). Punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the ID must be present.	X AN 1/30

Segment: REF Commodity Service Type (REF~QY)

Position: 170

Loop: RMR Mandatory

Level: Detail

Usage: Mandatory

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: Identifies type of commodity service (electric or natural gas)

REQUIRED

REF~QY~73913859308

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			QY Service Performed Code	
			Number indicating the type of service performed to repair a product	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Identifies service type: 'ELECTRIC' or 'GAS' are only valid values.	
			ELECTRIC Electric Commodity Service	
			GAS Natural Gas Commodity Service	

Segment: **DTM** **Date Posted (DTM~809)**
Position: 180
Loop: RMR Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1** At least one of DTM02 DTM03 or DTM05 is required.
- 2** If DTM04 is present, then DTM03 is required.
- 3** If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Date payment was posted to Billing Parties AR System
REQUIRED
DTM~809~20051111

Data Element Summary

	Ref.	Data		Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			809 Posted	
Used	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: **SE** Transaction Set Trailer

Position: 010

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes: REQUIRED

SE~28~000000001

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	SE01	96 Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

824 NAESB RXQ.3 Application Advice

Functional Group ID=AG

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Application Advice Transaction Set (824) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the ability to report the results of an application system's data content edits of transaction sets. The results of editing transaction sets can be reported at the functional group and transaction set level, in either coded or free-form format. It is designed to accommodate the business need of reporting the acceptance, rejection or acceptance with change of any transaction set. The Application Advice should not be used in place of a transaction set designed as a specific response to another transaction set (e.g., purchase order acknowledgment sent in response to a purchase order).

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>
M	010	ST	Transaction Set Header	M	1		
M	020	BGN	Beginning Segment	M	1		
LOOP ID - N1							>1
M	030	N1	Name: Distribution Company (N1~8S)	M	1		
	080	PER	Administrative Communications Contact	C	3		
LOOP ID - N1							>1
	030	N1	Name: Registration Agent (N1~AY)	C	1		
	080	PER	Administrative Communications Contact	C	3		
LOOP ID - N1							>1
M	030	N1	Name: Supplier (N1~SJ)	M	1		
	080	PER	Administrative Communications Contact	C	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 - OTI							>1
M	010	OTI	Original Transaction Identification	M	1		n1
M	020	REF	Customer ID (REF~12/Q5)	M	12		n2
	020	REF	Old Customer ID (REF~45)	C	12		
	020	REF	Non-Billing Party Account ID (REF~11)	C	12		
LOOP ID - TED							>1
M	070	TED	Technical Error Description	M	1		
	080	NTE	Note/Special Instruction	C	100		
M	090	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The OTI loop is intended to provide a unique identification of the transaction set that is the subject of this application acknowledgment.
2. The REF segment allows for the provision of secondary reference identification or numbers required to uniquely identify the original transaction set. The primary reference identification or number should be provided in elements OTI02-03.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Notes: REQUIRED
ST~824~000000001

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 824 Application Advice	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BGN** Beginning Segment
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Syntax Notes: 1 If BGN05 is present, then BGN04 is required.
Semantic Notes: 1 BGN02 is the transaction set reference number.
2 BGN03 is the transaction set date.
3 BGN04 is the transaction set time.
4 BGN05 is the transaction set time qualifier.
5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

Comments:

Notes:

REQUIRED

BGN~11~200107111230001~20010711~~~~~82

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BGN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 11 Response	M ID 2/2
Must Use	BGN02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time. Transaction Reference numbers will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded.	M AN 1/30
Must Use	BGN03	373	Date Date expressed as CCYYMMDD The transaction creation date - the date that the data was processed by the sender's application system.	M DT 8/8
Must Use	BGN08	306	Action Code Code indicating type of action 82 Follow Up Indicates that the receiver of the transaction must correct and resend the transaction. EV Evaluate Indicates that the receiver of the transaction must evaluate the error, but the transaction should NOT be resent.	M ID 1/2

Segment: **N1** **Name: Distribution Company (N1~8S)**

Position: 030

Loop: N1 Mandatory

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: **1** At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: REQUIRED

N1~8S~DISTRIBUTE-IT INC.~1~007909999~40

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			8S Consumer Service Provider (CSP)	
			Distribution Company	
Must Use	N102	93	Name	X AN 1/60
			Free-form name	
			Distribution Company Name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
Must Use	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			Distribution Company Entity ID	
Dep	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			40 Receiver	
			41 Submitter	

Segment: **PER Administrative Communications Contact**
Position: 080
Loop: N1 Mandatory
Level: Heading
Usage: Conditional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Optional

PER~IC~CONTACT~TE~8005551212~EM~CONTACT@COMPANY.COM

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			IC Information Contact	
			Distribution Company contact to resolve this particular issue	
Must Use	PER02	93	Name	O AN 1/60
			Free-form name	
Must Use	PER03	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			EM Electronic Mail	
			TE Telephone	
Must Use	PER04	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
Dep	PER05	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			Condition: Required if providing a second contact number	
			EM Electronic Mail	
			TE Telephone	
Dep	PER06	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
			Condition: Required if providing a second contact number	

Segment:	N1	Name: Registration Agent (N1~AY)
Position:	030	
Loop:	N1	Conditional
Level:	Heading	
Usage:	Conditional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2	N105 and N106 further define the type of entity in N101.
Notes:	REQUIRED when Registration Agent will submitter or receiver transaction.	
	N1~AY~REGISTER-IT INC.~1~183529049~~40	
	N1~AY~REGISTER-IT INC.~1~183529049~~OA	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual AY Clearinghouse Registration Agent	M ID 2/3
Must Use	N102	93	Name Free-form name Registration Agent Name	X AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code Registration Agent Entity ID	X AN 2/80
Must Use	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 40 Receiver 41 Submitter OA Electronic Return Originator Required when the original 824 is being forwarded by the Registration Agent. The N106 code will be changed by Registration Agent only.	O ID 2/3

Segment: **PER Administrative Communications Contact**
Position: 080
Loop: N1 Conditional
Level: Heading
Usage: Conditional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Conditional, used when Registration Agent initiates the 824
 PER~IC~CONTACT~TE~8005551212~EM~contact@register-it.com

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact Registration Agent contact to resolve this particular issue	M ID 2/2
Must Use	PER02	93	Name Free-form name	O AN 1/60
Must Use	PER03	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail TE Telephone	X ID 2/2
Must Use	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Dep	PER05	365	Communication Number Qualifier Code identifying the type of communication number Condition: Required if providing a second contact number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Dep	PER06	364	Communication Number Complete communications number including country or area code when applicable Condition: Required if providing a second contact number	X AN 1/80
Dep	PER07	365	Communication Number Qualifier Code identifying the type of communication number Condition: Required if providing a third contact numbers EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Dep	PER08	364	Communication Number Complete communications number including country or area code when applicable Condition: Required if providing a third contact numbers	X AN 1/80

Segment: **N1** **Name: Supplier (N1~SJ)**

Position: 030

Loop: N1 Mandatory

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: **1** At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: REQUIRED

N1~SJ~SUPPLY-IT INC.~1~183529049~~41

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		SJ Service Provider	
Must Use	N102	93 Name	X AN 1/60
		Free-form name	
		Supplier Name	
Must Use	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
Must Use	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
		Supplier Entity ID	
Dep	N106	98 Entity Identifier Code	O ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		40 Receiver	
		41 Submitter	

Segment:	PER Administrative Communications Contact
Position:	080
Loop:	N1 Mandatory
Level:	Heading
Usage:	Conditional
Max Use:	1
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required. 2 If either PER05 or PER06 is present, then the other is required. 3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	PER~IC~CONTACT~TE~8005551212~EM~CONTACT@COMPANY.COM

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact Registration Agent Contact to resolve this particular issue	M ID 2/2
Must Use	PER02	93	Name Free-form name	O AN 1/60
Must Use	PER03	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail TE Telephone	X ID 2/2
Must Use	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Dep	PER05	365	Communication Number Qualifier Code identifying the type of communication number Condition: Required if providing a second contact number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Dep	PER06	364	Communication Number Complete communications number including country or area code when applicable Condition: Required if providing a second contact number	X AN 1/80
Dep	PER07	365	Communication Number Qualifier Code identifying the type of communication number Condition: Required if providing a third contact numbers EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
Dep	PER08	364	Communication Number Complete communications number including country or area code when applicable Condition: Required if providing a third contact numbers	X AN 1/80

Segment: OTI **Original Transaction Identification**

Position: 010

Loop: OTI Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result

Syntax Notes: 1 If OTI09 is present, then OTI08 is required.

- Semantic Notes:**
- 1 OTI03 is the primary reference identification or number used to uniquely identify the original transaction set.
 - 2 OTI06 is the group date.
 - 3 OTI07 is the group time.
 - 4 If OTI11 is present, it will contain the version/release under which the original electronic transaction was translated by the receiver.
 - 5 OTI12 is the purpose of the original transaction set, and is used to assist in its unique identification.
 - 6 OTI13 is the type of the original transaction set, and is used to assist in its unique identification.
 - 7 OTI14 is the application type of the original transaction set, and is used to assist in its unique identification.
 - 8 OTI15 is the type of action indicated or requested by the original transaction set, and is used to assist in its unique identification.
 - 9 OTI16 is the action requested by the original transaction set, and is used to assist in its unique identification.
 - 10 OTI17 is the status reason of the original transaction set, and is used to assist in its unique identification.
- Comments:**
- 1 OTI02 contains the qualifier identifying the business transaction from the original business application, and OTI03 will contain the original business application identification.
 - 2 If used, OTI04 through OTI08 will contain values from the original electronic functional group generated by the sender.
 - 3 If used, OTI09 through OTI10 will contain values from the original electronic transaction set generated by the sender.

Notes: REQUIRED

OTI~TR~TN~2001010100001~~~~~810

OTI~TR~TN~2001010100001~~~~~867

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	OTI01	110	Application Acknowledgment Code	M ID 1/2
Code indicating the application system edit results of the business data				
			IR Item Reject	
				Indicates an item has been rejected
			TE Transaction Set Accept with Error	
				Used when BGN08 = EV
			TP Transaction Set Partial Accept/Reject	
				Used to reject one or more individual accounts on the transaction. Valid for 568, 820
			TR Transaction Set Reject	
				Used when BGN08 = 82
Must Use	OTI02	128	Reference Identification Qualifier	M ID 2/3
Code qualifying the Reference Identification				
			TN Transaction Reference Number	
Must Use	OTI03	127	Reference Identification	M AN 1/30
Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
810: This data element is populated from				

-248=BHT03
-568=BGN02
-810=BIG02
-867=BPT02

Must Use

OTI10

143

Transaction Set Identifier Code

O ID 3/3

Code uniquely identifying a Transaction Set

EDI Transaction Set number transaction is in response to

248	Account Assignment/Inquiry and Service/Status
568	Contract Payment Management Report
810	Invoice
820	Payment Order/Remittance Advice
867	Product Transfer and Resale Report

Segment: REF Customer ID (REF~12/Q5)

Position: 020

Loop: OTI Mandatory

Level: Detail

Usage: Mandatory

Max Use: 12

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Customer Account ID or SDID; ID that uniquely defines the Customer in the marketplace.

REQUIRED

REF~12~1011111123456780

REF~Q5~~10111111234567890ABCDEFGHIJKL

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			12 Billing Account	
			Account number under which billing is rendered	
			Account number that identifies the unique Customer in the marketplace; sent in REF02	
			Q5 Property Control Number	
			SD ID (e.g. ESI ID) that identifies the unique Customer in the marketplace; sent in REF03	
Must Use	REF02	127	Account ID	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Invoice Number	
Used	REF03	352	SD ID	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **REF** Old Customer ID (REF~45)

Position: 020

Loop: OTI Mandatory

Level: Detail

Usage: Conditional

Max Use: 12

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Customer Account ID or SDID; ID that uniquely defines the Customer in the marketplace.

REQUIRED when Customer ID has changed within last 45 days. Not used for SD ID

REF~45~10111111234

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			45 Old Account Number	
			Identifies accounts being changed	
			Prior Account ID for Customer; used when company changes Account ID for cross reference	
Used	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Invoice Number	

Segment:	REF	Non-Billing Party Account ID (REF~11)
Position:	020	
Loop:	OTI	Mandatory
Level:	Detail	
Usage:	Conditional	
Max Use:	12	
Purpose:	To specify identifying information	
Syntax Notes:	1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.	
Comments:		
Notes:	REQUIRED if provided by the Non-Billing Party REF~11~~1011111123	

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			11 Account Number	
			Number identifies a telecommunications industry account	
Used	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Non-Billing Party Account ID	

Segment:	TED Technical Error Description
Position:	070
Loop:	TED Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To identify the error and, if feasible, the erroneous segment, or data element, or both
Syntax Notes:	
Semantic Notes:	
Comments:	1 If used, TED02 will contain a generic description of the data in error (e.g., part number, date, reference number, etc.).
Notes:	More than one rejection reason code may be sent, by repeating the TED Loop. REQUIRED TED~848~A76

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TED01	647	Application Error Condition Code Code indicating application error condition 848 Incorrect Data	M ID 1/3
Must Use	TED02	3	Free Form Message Free-form text 008 Customer ID exists but is not active A13 Other A76 Customer ID Invalid or Not Found A83 Invalid or Unauthorized Action A84 Invalid Relationship ABN Duplicate Request Received ABO Corrected transaction received prior to cancellation or rejection transaction API Required information missing CRI Cross Reference Number Invalid D76 Entity ID Invalid or Not Found DDM Dates Do Not Match DIV Date Invalid	M AN 1/60

	Use NTE~ADD to further describe the invalid date
I76	Invoice Number Invalid or Missing
INT	Interval Data Invalid or Not Found
	Valid for 867
MBW	Missed Bill Window
	Missed bill window; resubmit Charges Next Cycle (used by Billing Party for consolidated billing)
MRI	Incorrect Meter Role for ID Type
SUM	Sum of details does not equal total
TOU	Incorrect TOU Period

Segment: **NTE** **Note/Special Instruction**
Position: 080
Loop: TED Mandatory
Level: Detail
Usage: Conditional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Notes: Used to further describe the rejection reason code sent in TED02.

REQUIRED when TED02 = A13, API, or DIV

NTE~ADD~ACCOUNT NOT FOUND

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NTE01	363	Note Reference Code	O ID 3/3
			Code identifying the functional area or purpose for which the note applies	
			ADD Additional Information	
Must Use	NTE02	352	Rejection Reason Text	M AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **SE** Transaction Set Trailer
Position: 090
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes: REQUIRED

SE~9~000000001

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

568 NAESB RXQ.3 Payment Notification

Functional Group ID=**D5**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Contract Payment Management Report Transaction Set (568) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to enable the transmission of a management report to provide the details of payments and collections made against funds obligated on contracts, orders, and other services.

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>
M	010	ST	Transaction Set Header	M	1		
M	020	BGN	Beginning Segment	M	1		n1
M	030	AMT	Monetary Amount: Total Received (AMT~AT)	M	2		n2
LOOP ID - N1						10	
M	040	N1	Name: Distribution Company (N1~8S)	M	1		n3
LOOP ID - N1						10	
M	040	N1	Name: Supplier (N1~SJ)	M	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 - CS						>1	
M	010	CS	Contract Summary	M	1		n4
	020	N9	Non-Billing Party Account ID (N9~11)	C	3		n5
	020	N9	Old Customer ID (N9~45)	C	3		
LOOP ID - REF						>1	
M	060	REF	Commodity Service Identifier (REF~QY)	M	1		n6
LOOP ID - LX						>1	
M	080	LX	Assigned Number	M	1		
M	090	N9	Transaction Tracking ID (N9~TN)	M	1		n7
M	100	AMT	Monetary Amount	M	>1		n8
LOOP ID - N1						1	
M	140	N1	Name: Customer (N1~8R)	M	1		n9

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>
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The BGN segment identifies the transaction set purpose code, a unique number used to identify this transmission, and the date and time of transaction set creation.
2. The AMT segment identifies the collected amount and the disbursed amount to the extent that either amount applies to the transaction set.
3. The N1 loop identifies the name and address information for the transmitting and receiving parties.

4. The CS segment identifies the contract, modification, call, and order number of the procurement instrument, and the voucher number of the payment being reported on in this contract payment management report.
5. The N9 segment identifies the number of the original voucher on which a payment was made if the voucher being reported on in this transmission is a change, correction, or adjustment to that previous voucher.
6. The REF segment identifies a reference number associated with the following appropriation data.
7. The N9 segment identifies a contract line item, exhibit line item, or subclassification of either against which specific data is being reported.
8. The AMT segment identifies the gross, net, deducted, or collected amounts and the net variance amount applicable to the line item being reported.
9. The N1 loop identifies address information for a quantity delivered in a specific shipment, to a specific ship-to address.

Segment:	ST Transaction Set Header
Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:	
Notes:	REQUIRED
	ST~568~000000001

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set	
			functional group assigned by the originator for a transaction set	

Segment: **BGN** Beginning Segment
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Syntax Notes: 1 If BGN05 is present, then BGN04 is required.
Semantic Notes: 1 BGN02 is the transaction set reference number.
2 BGN03 is the transaction set date.
3 BGN04 is the transaction set time.
4 BGN05 is the transaction set time qualifier.
5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

Comments:

Notes:

REQUIRED

BGN~00~94852-34985-9~20051118

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BGN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
Must Use	BGN02	127	Payment Notification ID Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Unique Number identifying this transaction assigned by the sender of the transaction. This number should be unique over all time.	M AN 1/30
Must Use	BGN03	373	Payment Notification Date Date expressed as CCYYMMDD The transaction creation date - the date that the data was processed by the sender's application system.	M DT 8/8

Segment: **AMT** **Monetary Amount: Total Received (AMT~AT)**
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 2
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes:

REQUIRED

AMT~AT~1500.00

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
			AT	Total Received
			The AMT02 element is the sum of all CS11s in this transaction set.	
Must Use	AMT02	782	Monetary Amount	M R 1/18
			Monetary amount	

Segment: **N1** **Name: Distribution Company (N1~8S)**

Position: 040

Loop: N1 Mandatory

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: 1 At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: REQUIRED

N1~8S~DISTRIBUTE-IT INC.~1~007909411~41

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	<u>Des.</u>	<u>Element</u>		
	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
		8S	Consumer Service Provider (CSP)	
			Distribution Company	
Used	N102	93	Name	X AN 1/60
			Free-form name	
			Distribution Company Name	
Used	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
Used	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			Distribution Company Entity ID	
Used	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
		40	Receiver	
			Entity to accept transmission	
			The receiver is the 'Non-Billing Party'	
		41	Submitter	
			Entity transmitting transaction set	
			The sender is the 'Billing Party'	

Segment: **N1** **Name: Supplier (N1~SJ)**

Position: 040

Loop: N1 Mandatory

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: **1** At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: REQUIRED

N1~SJ~SUPPLY-IT INC.~9~007909422CRN1~~40

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SJ Service Provider Identifies name and address information as pertaining to a service provider for which billing is being rendered Supplier	M ID 2/3
Used	N102	93	Name Free-form name Supplier Name	X AN 1/60
Used	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Used	N104	67	Identification Code Code identifying a party or other code Supplier Entity ID	X AN 2/80
Used	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 40 Receiver Entity to accept transmission The receiver is the 'Non-Billing Party' 41 Submitter Entity transmitting transaction set The sender is the 'Billing Party'	O ID 2/3

Segment:	CS	Contract Summary
Position:	010	
Loop:	CS	Mandatory
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To provide information about a contract	
Syntax Notes:	1	If either CS04 or CS05 is present, then the other is required.
Semantic Notes:	1	CS09 is the permissible overage as a percentage of the total contract line item number (CLIN) quantity.
	2	CS10 is the permissible shortage as a percentage of the total contract line item number (CLIN) quantity.
	3	CS11 is the permissible overage dollar value specified by the contract above which discrepancy action is taken.
	4	CS14 is the Unit of Measure stipulated in the contract.
	5	CS15 is the contract line item number (CLIN) unit price specified in the contract.
	6	CS17 conveys the Critical Application Indicator. A "Y" indicates that a Critical Application Indicator is specified in the contract; an "N" indicates that no Critical Application Indicator is specified in the contract.
	7	CS18 conveys the Special Requirements Indicator. A "Y" indicates that a Special Requirements Indicator (requiring special testing and or evaluation) is specified in the contract; an "N" indicates that no Special Requirements Indicator is specified in the contract.
Comments:	1	CS04 may be used to identify the Contract Line Item Number (CLIN) or Extended (or Exhibit) Line Item Number (ELIN).
	2	CS07 and CS13 can be used to indicate two different types of special services required.
Notes:	Each CS loop will only contain one LX loop (payment detail). If there are multiple payments on a specific account, there will be multiple CS loops for that account. REQUIRED CS~~~~12~12345678988~~~~50.00	

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Used	CS04	128	Reference Identification Qualifier Code qualifying the Reference Identification REQUIRED	X ID 2/3
			12 Billing Account Account number under which billing is rendered ID that uniquely defines Customer in the marketplace	
Must Use	CS05	127	Customer ID (CS~~~~12) Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Customer ID (CS~~~~12)	M AN 1/30
Used	CS11	782	Monetary Amount Monetary amount Total monetary amount allocated for this Customer account by the billing party on behalf of the non-billing party or adjustment amount allocated by the billing party on behalf of the non-billing party. The CS11 will equal the sum of all AMT02 elements under this Distribution Company Customer ID.	O R 1/18

Segment: **N9 Non-Billing Party Account ID (N9~11)**
Position: 020
Loop: CS Mandatory
Level: Detail
Usage: Conditional
Max Use: 3
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:
Notes: Billing Party stores Non-Billing Party Account ID and must send it if previously provided to the Billing Party
N9~11~333444555666

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			11 Account Number	
			Number identifies a telecommunications industry account	
			Non-Billing Party Account ID - account number for Customer.	
Used	N902	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Customer Account ID assigned by Non-Billing Party.	

Segment: **N9** Old Customer ID (N9~45)
Position: 020
Loop: CS Mandatory
Level: Detail
Usage: Conditional
Max Use: 3
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:

Notes:

BC
REQUIRED if Customer ID has changed in last 45 days
N9~45~212345438756

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			45 Old Account Number	
			Identifies accounts being changed	
			Previous Distribution Company assigned Customer ID for Customer.	
Used	N902	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Old Customer ID assigned by Billing Party.	

Segment: **REF** **Commodity Service Identifier (REF~QY)**

Position: 060

Loop: REF Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To specify identifying information

Syntax Notes: **1** At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

REQUIRED

REF~QY~ELECTRIC

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification QY Service Performed Code Number indicating the type of service performed to repair a product Commodity Service Type	M ID 2/3
Used	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ELECTRIC Electric Service GAS Natural Gas Service	X AN 1/30

Segment: **LX** Assigned Number
Position: 080
Loop: LX Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes:

Use multiple CS loops for multiple payments/adjustments on a Customer ID. The AMT02 element in this loop for the Customer ID should match the CS11 value.
 REQUIRED

 LX~1

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	LX01	554	Assigned Number	M N0 1/6
			Number assigned for differentiation within a transaction set	

Segment: **N9** Transaction Tracking ID (N9~TN)
Position: 090
Loop: LX Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:
Notes:

N9~TN~123223327~~19990225
N9~TN~123223532~CS~19990225 (Adjustment)

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Must Use	N901	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			TN Transaction Reference Number	
Used	N902	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Transaction Tracking Number - Number used for identifying this collection/adjustment.	
Used	N903	369	Free-form Description	X AN 1/45
			Free-form descriptive text	
			Adjustment Reason Code. Only used if AMT01 (within the LX) is equal to "BM"	
			72 Returned Items	
			CS Adjustment	
			IF Insufficient Funds	
Used	N904	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
			-AMT01=KL: Date the payment was posted to the billing party if AMT01 is equal to "KL"	
			-AMT01="BM": Date the adjustment was posted by the Billing Party	

Segment: **AMT** Monetary Amount
Position: 100
Loop: LX Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes:

Collected or adjustment amount allocated to the Non-Billing Party for this Customer.
REQUIRED

AMT~KL~25.00
AMT~BM~-130.00

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
			BM Adjustments	
			KL Collected Amount	

Must Use	AMT02	782	Monetary Amount	M R 1/18
			Monetary amount	

Leading negative sign must be sent if this is a negative number, e.g. in the case of a bounced check to indicate the original check amount is being reversed. If the amount is positive, no sign is sent.

The sum of all AMT02 elements under this Billing Party Account Number is provided in the CS11.

Segment: **N1** **Name: Customer (N1~8R)**

Position: 140

Loop: N1 Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: **1** At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: Energy Customer

REQUIRED

N1~8R~JOHN ENERGY USER

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>M</u> <u>ID</u> <u>2/3</u>
Must Use	N101	98 Entity Identifier Code	
		Code identifying an organizational entity, a physical location, property or an individual	
		8R Consumer Service Provider (CSP) Customer	
Must Use	N102	93 Name	M AN 1/60
		Free-form name	

Segment: **SE** Transaction Set Trailer

Position: 020

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes: REQUIRED

SE~28~000000001

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

248 NAESB RXQ.3 Termination of Billing Services

Functional Group ID=**SU**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Account Assignment/Inquiry and Service/Status Transaction Set (248) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used for two-way, multi-transactional purposes of assigning accounts for collection, reporting status inquiries and inquiry responses and to update accounts between entities.

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>
M	010	ST	Transaction Set Header	M	1		
M	020	BHT	Beginning of Hierarchical Transaction	M	1		
LOOP ID - NM1							1
M	030	NM1	Name: Distribution Company (N1~8S)	M	1		n1
LOOP ID - NM1							1
M	030	NM1	Name: Supplier (N1~SJ)	M	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 - HL							>1
M	010	HL	Hierarchical Level	M	1		n2
M	020	NM1	Customer Name (NM1~D4)	M	1		n3
	060	REF	Non-Billing Party Account ID (REF~11)	C	>1		
M	060	REF	Customer ID (REF~12/Q5)	M	>1		
	060	REF	Old Customer ID (REF~45)	C	>1		
	070	PER	Administrative Communications Contact	C	>1		
M	110	BAL	Balance Returned (BAL~CD)	M	1		
LOOP ID - DTP							>1
M	120	DTP	Date of Termination of Billing Services (DTM~630)	M	1		
M	180	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The NM1 loop will contain only information pertaining to the Credit Grantor and the Agency.
2. The HL loop will contain parent-child (subordinate) data relationships pertaining to the debtor and/or any association to the debtor.
3. The NM1 segment will contain only information pertaining to the debtor and/or any subordinate association to the debtor.

Segment: **ST** Transaction Set Header

Position: 010

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Comments:

Notes:

Required

ST~248~000000001

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BHT** Beginning of Hierarchical Transaction

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To define the business hierarchical structure of the transaction set and identify the business application purpose and reference data, i.e., number, date, and time

Syntax Notes:

Semantic Notes:

- 1 BHT03 is the number assigned by the originator to identify the transaction within the originator's business application system.
- 2 BHT04 is the date the transaction was created within the business application system.
- 3 BHT05 is the time the transaction was created within the business application system.

Comments:

Notes:

Required

BHT~0057~22~1234567890~20051127

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BHT01	1005	Hierarchical Structure Code Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set 0057 Supergroup, subgroup, member Debtor Customer	M ID 4/4
Must Use	BHT02	353	Transaction Set Purpose Code Code identifying purpose of transaction set 01 Cancellation Reinstate Used to reinstate a balance if the billing party intends to resume collection activities for the Customer. 22 Information Copy Write Off Used to notify the non-billing party that the billing party will no longer pursue collections for this Customer.	M ID 2/2
Used	BHT03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Unique Number identifying this transaction assigned by the sender of the transaction. This number should be unique over all time.	O AN 1/30
Used	BHT04	373	Date Date expressed as CCYYMMDD The transaction creation date - the date that the data was processed by the originator's application system.	O DT 8/8

Segment: **NM1** **Name: Distribution Company (N1~8S)**
Position: 030
Loop: NM1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.
2 If NM111 is present, then NM110 is required.
Semantic Notes: 1 NM102 qualifies NM103.
Comments: 1 NM110 and NM111 further define the type of entity in NM101.
Notes: REQUIRED

NM1~8S~3~DISTRIBUTE-IT INC.~~~~~1~99999999~40

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	NM101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 8S Consumer Service Provider (CSP) Distribution Company	M ID 2/3
Must Use	NM102	1065	Entity Type Qualifier Code qualifying the type of entity 3 Unknown	M ID 1/1
Must Use	NM103	1035	Name Last or Organization Name Individual last name or organizational name Distribution Company Name	M AN 1/35
Must Use	NM108	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	M ID 1/2
Must Use	NM109	67	Identification Code Code identifying a party or other code Distribution Company Entity ID	M AN 2/80
Must Use	NM111	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 40 Receiver Entity to accept transmission The receiver is the 'Non-Billing Party' 41 Submitter Entity transmitting transaction set The sender is the 'Billing Party'	M ID 2/3

Segment: NM1 **Name: Supplier (N1~SJ)**
Position: 030
Loop: NM1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.
2 If NM111 is present, then NM110 is required.
Semantic Notes: 1 NM102 qualifies NM103.
Comments: 1 NM110 and NM111 further define the type of entity in NM101.
Notes: REQUIRED

NM1~SJ~3~SUPPLY-IT INC.~~~~~1~111222333~41

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	NM101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SJ Service Provider Identifies name and address information as pertaining to a service provider for which billing is being rendered Supplier	M ID 2/3
Must Use	NM102	1065	Entity Type Qualifier Code qualifying the type of entity 3 Unknown	M ID 1/1
Must Use	NM103	1035	Name Last or Organization Name Individual last name or organizational name Supplier Name This free-form text can not contain any characters that may be used as element delimiters, sub-element delimiters, segment terminators, or field separators. (This includes: asterisk *, pipes , tabs, linefeeds, carets ^, angle brackets < >, and tildes ~).	M AN 1/35
Must Use	NM108	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	M ID 1/2
Must Use	NM109	67	Identification Code Code identifying a party or other code Supplier Entity ID	M AN 2/80
Must Use	NM111	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 40 Receiver Entity to accept transmission The receiver is the 'Non-Billing Party' 41 Submitter Entity transmitting transaction set The sender is the 'Billing Party'	M ID 2/3

Segment:	HL Hierarchical Level
Position:	010
Loop:	HL Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:	
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure. 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction. 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate. 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information. 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes:	REQUIRED HL~1~24

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	HL01	628	Hierarchical ID Number	M AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
			There will only be one 248 transaction per account, thus, the Hierarchical Level identification should always be "1".	
Must Use	HL03	735	Hierarchical Level Code	M ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
		24	Supergroup	
			Debtor Customer	

Segment: **NM1** Customer Name (NM1~D4)

Position: 020

Loop: HL Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To supply the full name of an individual or organizational entity

Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.

2 If NM111 is present, then NM110 is required.

Semantic Notes: 1 NM102 qualifies NM103.

Comments: 1 NM110 and NM111 further define the type of entity in NM101.

Notes: REQUIRED

NM1~D4~3~JOHN ENERGY USER

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NM101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual D4 Debtor	M ID 2/3
Must Use	NM102	1065	Entity Type Qualifier Code qualifying the type of entity 3 Unknown	M ID 1/1
			The entity name is not segmented and will be transmitted in NM103 only.	
Used	NM103	1035	Name Last or Organization Name Individual last name or organizational name Customer Name as it appears on the Customer's bill	O AN 1/35

Segment:	REF	Non-Billing Party Account ID (REF~11)
Position:	060	
Loop:	HL	Mandatory
Level:	Detail	
Usage:	Conditional	
Max Use:	>1	
Purpose:	To specify identifying information	
Syntax Notes:	1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.	
Comments:		
Notes:	Customer Account ID assigned by the Non-Billing Party REQUIRED if provided previously by the Non-Billing Party REF~11~123456789019990102	

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			11 Account Number	
			Number identifies a telecommunications industry account	
			Non-Billing Party Account ID - account number for end use [debtor] Customer.	
Used	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Non-Billing Party Account ID	

Segment: **REF** Customer ID (REF~12/Q5)

Position: 060

Loop: HL Mandatory

Level: Detail

Usage: Mandatory

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Identifies the unique Customer in the marketplace. Either REF~12 or REF~Q5 is required.

REQUIRED

REF~12~10111111234567890

REF~Q5~10111111234567890ABCDEFGHIJKL

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 12 Billing Account Account number under which billing is rendered Distribution Company assigned account number for the Customer sent in REF02 Q5 Property Control Number Customer SDID - sent in REF03.	M ID 2/3
Used	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Customer Account ID - use when REF01 = 12.	X AN 1/30
Used	REF03	352	Description A free-form description to clarify the related data elements and their content Customer SDID - use when REF01 = Q5. This free-form text can not contain any characters that may be used as element delimiters, sub-element delimiters, segment terminators, or field separators. (This includes: asterisk *, pipes , tabs, linefeeds, carets ^, angle brackets <>, and tildes ~).	X AN 1/80

Segment: **REF** Old Customer ID (REF~45)

Position: 060

Loop: HL Mandatory

Level: Detail

Usage: Conditional

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: **1** At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

Establishes a cross-reference between a new Customer ID and an old Customer ID if the Customer has received a new Customer ID in last 45 days.

REQUIRED when the Customer ID has changed in the last 45 days.

REF~45~1235367812

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 45 Old Account Number Identifies accounts being changed Previous Customer ID for Customer.	M ID 2/3
Used	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Old Customer ID	X AN 1/30

Segment: **PER Administrative Communications Contact**

Position: 070

Loop: HL Mandatory

Level: Detail

Usage: Conditional

Max Use: >1

Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.

3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

REQUIRED if maintained by the Billing Party

PER~IC~~TE~7175551111~TE~7175551112

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
Used	PER03	365	Communication Number Qualifier Code identifying the type of communication number TE Telephone	X ID 2/2
Used	PER04	364	Communication Number Complete communications number including country or area code when applicable Last Known Customer Telephone Number #1	X AN 1/80
Used	PER05	365	Communication Number Qualifier Code identifying the type of communication number TE Telephone	X ID 2/2
Used	PER06	364	Communication Number Complete communications number including country or area code when applicable Last Known Customer Telephone Number #2	X AN 1/80

Segment: **BAL** Balance Returned (BAL~CD)

Position: 110

Loop: HL Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To identify the specific monetary balances associated with a particular account

Syntax Notes:

Semantic Notes:

Comments:

Notes:

REQUIRED

BAL~CD~BD~325.67

BAL~CD~BD~250.00

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	BAL01	951	Balance Type Code	M ID 1/2

Code indicating the type of balance

CD

Cycle to Date

Denotes balance data associated with defined periods

Denotes balance data associated with defined periods

Must Use	BAL02	522	Amount Qualifier Code	M ID 1/3
-----------------	--------------	------------	------------------------------	-----------------

Code to qualify amount

BD

Balance Due

Must Use	BAL03	782	Monetary Amount	M R 1/18
-----------------	--------------	------------	------------------------	-----------------

Monetary amount

On an initial 248, this is the amount that the billing party will no longer pursue collections for.

On a cancellation 248, this is the same amount provided on the original 248 (do not reverse the signs).

A negative amount indicates that the non-billing party has been overpaid and is responsible for reimbursing the Customer.

Segment: **DTP** **Date of Termination of Billing Services (DTM~630)**

Position: 120

Loop: DTP Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To specify any or all of a date, a time, or a time period

Syntax Notes:

Semantic Notes: 1 DTP02 is the date or time or period format that will appear in DTP03.

Comments:

Notes: REQUIRED for an original 248 (BHT02 = 22)

DTP~630~D8~19990226

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTP01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			630 Account Closed	
			Date the account was written off.	
Must Use	DTP02	1250	Date Time Period Format Qualifier	M ID 2/3
			Code indicating the date format, time format, or date and time format	
			D8 Date Expressed in Format CCYYMMDD	
Must Use	DTP03	1251	Date Time Period	M AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	

Segment: **SE** Transaction Set Trailer

Position: 180

Loop:

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes: REQUIRED

SE~28~000000001

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	