Ohio
Electric

Implementation
Guideline

For

Electronic Data Interchange

TRANSACTION SET

810
LDC Invoice Rate Ready
Ver/Rel 004010

Summary of Changes

Version 1.0.0 May 1, 2001	Initial Release
Version 1.5.0 May 1, 2001	• Add REF*Q5 to the rate ready guideline per Change Control 16. • Remove the Summary pages (usually pages 2 and 3) from the implementation guides. These pages are automatically created by Foresight, but the last round of changes to the documents was done in Word and has not been updated in Foresight per Change Control 22.
Version 2.0.0 December 31, 2001	• No changes.
Version 2.1.0 June 30, 2002	• Changed the example in the BIG segment to make the BIG07 a valid code per Change Control 46 • Added "Rate Ready" to the title page • Added note to N1~8R segment to show AP validates on first 4 characters of customer name per change control 48. • Added text to title on N1 pages to show which N1 per change control 50 • Updated REF~Q5 gray boxes to show SDID per change control 51 • Added note in gray box of REF~12 and REF~45 that it is not used by AEP
Version 2.2.0 October 1, 2005	• No Changes
Version 2.3.0 March 9, 2010	• During 3/3/10 meeting, the OSPO Data Working Group reviewed & confirmed EDI change controls up to and including CC67. All changes in the v2.2.0 redline were accepted and v2.3.0 created as the new baseline for Ohio.
Version 2.4.0 February 14, 2012	• Incorporated First Energy's administrative changes as per EDI Change Control 81. • Incorporated gray box updates to SAC and SAC08 as per EDI Change Control 86 Update.
Version 2.5.0 February 15, 2013	• No Changes

810 Invoice

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.

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
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			810 Invoice	
M	**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.

<table>
<tr><td>Segment:</td><td colspan="4">BIG Beginning Segment for Invoice</td></tr>
<tr><td>Position:</td><td colspan="4">020</td></tr>
<tr><td>Loop:</td><td colspan="4"></td></tr>
<tr><td>Level:</td><td colspan="4">Heading</td></tr>
<tr><td>Usage:</td><td colspan="4">Mandatory</td></tr>
<tr><td>Max Use:</td><td colspan="4">1</td></tr>
<tr><td>Purpose:</td><td colspan="4">To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates</td></tr>
<tr><td>Syntax Notes:</td><td colspan="4"></td></tr>
<tr><td>Semantic Notes:</td><td colspan="4">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.</td></tr>
<tr><td>Comments:</td><td colspan="4">1 BIG07 is used only to further define the type of invoice when needed.</td></tr>
<tr><td>Notes:</td><td colspan="4">Required
BIG~19990201~19990201123500001~~~2048392934504~~ME~00</td></tr>
</table>

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**BIG01**	373	**Date**	M	DT 8/8

Date expressed as CCYYMMDD

Date the bill was issued.

M	**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.

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	**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

The cross-reference number originally transmitted in the 867 in the BPT02 must be sent in the BIG05.

M	**BIG07**	640	**Transaction Type Code**	O	ID 2/2

Code specifying the type of transaction

	FE	Memorandum, Final Bill

This is to designate this is the final usage data being sent for this customer. Customer account has finaled with the EDU or the customer has switched.

	ME	Memorandum

M	**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 EDU changes the bill due date for the customer. The EDU will send an 810 to the CRES, the only things changing from the original 810 are the duplicate code and the due date.

	Segment:	**REF** Reference Identification (CRES Account Number)
	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 numbers will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the account number must be present.

Required if provided on the Enrollment or Change

REF~11~395871290

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			11 Account Number		
			CRES Account Number		
M	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		
			CRES Account Number		

	Segment:	**REF** Reference Identification (EDU Account Number)

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 numbers will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the account number must be present.
	Required. Not used by AEP. First Energy will send Customer Number.
	REF~12~39205810578

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			12 Billing Account		
			EDU Account Number		
M	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		
			EDU Account Number		

			REF Reference Identification (Previous EDU Account Number)

Segment: **REF** Reference Identification (Previous EDU Account Number)
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 numbers will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the account number must be present.
Required if the EDU Account Number has changed within the last 60 days. Required for all utilities except AEP, which will use Service Delivery Identification Number. First Energy will always send if noted on the account in CIS system.
REF~45~110678500

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			45 Old Account Number		
			EDU Previous Account Number		
M	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		
			EDU Previous Account Number		

	Segment:	**REF** Reference Identification (Billing Cycle)
	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:	Required
		REF~BF~21

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
		BF	Billing Center Identification	
			EDU Billing cycle. Cycle number when the billing will be rendered.	
M	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	
			EDU Billing Cycle Number	

		Segment:	**REF** Reference Identification (Billing Type)

Segment: **REF** Reference Identification (Billing Type)
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: Required

REF~BLT~LDC

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			BLT　　　　　Billing Type		
M	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		
			When REF01 is BLT, valid values for REF02 are:		
			ESP　　　　　Energy Supplier Consolidated Billing		
			The CRES bills the customer.		
			LDC　　　　　Utility Consolidated Billing		
			The EDU bills the customer		

			Segment:	**REF** Reference Identification (Original Transaction Reference Number)

Segment: **REF** Reference Identification (Original Transaction Reference Number)
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:
Required on a Cancel (BIG08=01) transaction.

REF~OI~123456789019990102

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			OI Original Invoice Number		
			Sent when BIG08 = 01		
M	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		
			Original Invoice Number		

Segment:	**REF** Reference Identification (Party Calculating the Charges)			
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:	Required			
	REF~PC~LDC			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
			PC Production Code	
			Identifies the party that calculates the bill.	
M	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	
			Party calculating the charges to be put on the bill.	
			ESP The CRES calculates charges for each party	
			LDC The EDU calculates charges for each party	

			Segment:	**REF** Reference Identification (Q5 = SDID Number)

Segment: **REF** Reference Identification (Q5 = SDID Number)
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: SDID numbers will only contain uppercase letters (A to Z) and Digits (0 - 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the SDID number must be present.
Required if customer is in AEP service territory
REF~Q5~9876543245678DCH

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			Q5 Property Control Number		
			AEP assigned Service Delivery Identification Number		
M	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		
			AEP assigned Service Delivery Identification Number		

Segment: **N1** Name (8S - EDU)
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~EDU COMPANY~1~007909411

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	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)		
			EDU		

	Ref. Des.	Data Element	Name		Attributes
M	N102	93	Name	X	AN 1/60

Free-form name

EDU Name

	Ref. Des.	Data Element	Name		Attributes
M	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		

	Ref. Des.	Data Element	Name		Attributes
M	N104	67	Identification Code	X	AN 2/80

Code identifying a party or other code

EDU D-U-N-S Number or D-U-N-S + 4 Number

Segment:		**N1** Name (SJ – CRES)			
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~CRES COMPANY~9~007909422CRES

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	M	ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

SJ   Service Provider

CRES

M	N102	93	**Name**	X	AN 1/60

Free-form name

CRES Name

M	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

M	N104	67	**Identification Code**	X	AN 2/80

Code identifying a party or other code

CRES D-U-N-S Number or D-U-N-S + 4 Number

Segment:		**N1** Name (8R - Customer)			
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
NOTE: Allegheny will validate on the first 4 characters of the customer name.
N1~8R~CUSTOMER NAME
N1~8R~CUSTOMER NAME~92~STORE 7391

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			8R Consumer Service Provider (CSP) Customer		
			Customer		
M	N102	93	**Name**	**X**	**AN 1/60**
			Free-form name		
			Customer name as documented in the sender's application system.		
C	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			Condition: Required when available.		
			92 Assigned by Buyer or Buyer's Agent		
			Store Number or other Reference number meaningful to the customer.		
C	N104	67	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			Store Number or Reference number meaningful to the customer. Note that this number is assigned by the EDU and may or may not be applicable to the CRES.		

	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:	Required
		ITD~~~~~~19990220

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	ITD06	446	**Terms Net Due Date**	O DT 8/8
			Date when total invoice amount becomes due expressed in format CCYYMMDD	
			Payment due date Format: CCYYMMDD	

Segment:		**BAL** Balance Detail (Previous Month)			
Position:		212			
Loop:					
Level:		Heading			
Usage:		Optional			
Max Use:		>1			
Purpose:		To identify the specific monetary balances associated with a particular account			
Syntax Notes:					
Semantic Notes:					
Comments:					
Notes:		Required			
		BAL~P~YB~500.00			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	BAL01	951	**Balance Type Code**	M	ID 1/2
			Code indicating the type of balance		
			P Previous Month		
M	BAL02	522	**Amount Qualifier Code**	M	ID 1/3
			Code to qualify amount		
			YB Actual Unpaid Principal Balance		
M	BAL03	782	**Monetary Amount**	M	R 1/18
			Monetary amount		

Segment:		**BAL** Balance Detail (Current Month Beginning)	
Position:		212	
Loop:			
Level:		Heading	
Usage:		Optional	
Max Use:		>1	
Purpose:		To identify the specific monetary balances associated with a particular account	
Syntax Notes:			
Semantic Notes:			
Comments:			
Notes:		Required	
		BAL~M~J9~225.00	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	BAL01	951	Balance Type Code	M ID 1/2
			Code indicating the type of balance	
			M Current Month	
			This is the balance prior to this billing. If a customer is paid in total, this will be zero.	
M	BAL02	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
			J9 Beginning Balance	
M	BAL03	782	Monetary Amount	M R 1/18
			Monetary amount	

Segment:		**BAL** Balance Detail (Current Month Unpaid)		
Position:		212		
Loop:				
Level:		Heading		
Usage:		Optional		
Max Use:		>1		
Purpose:		To identify the specific monetary balances associated with a particular account		
Syntax Notes:				
Semantic Notes:				
Comments:				
Notes:		Required		
		BAL~M~YB~325.00		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	BAL01	951	**Balance Type Code**	M ID 1/2
			Code indicating the type of balance	
			M Current Month	
			The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing period charges.	
M	BAL02	522	**Amount Qualifier Code**	M ID 1/3
			Code to qualify amount	
			YB Actual Unpaid Principal Balance	
M	BAL03	782	**Monetary Amount**	M R 1/18
			Monetary amount	

	Segment:	**BAL** Balance Detail (Year to Date)
	Position:	212
	Loop:	
	Level:	Heading
	Usage:	Optional
	Max Use:	>1
	Purpose:	To identify the specific monetary balances associated with a particular account
	Syntax Notes:	
	Semantic Notes:	
	Comments:	
	Notes:	Required for Budget Billing if EDU is keeping the balance, otherwise not used.
		BAL~Y~YB~400.00

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	BAL01	951	**Balance Type Code**	M ID 1/2
			Code indicating the type of balance	
			Y Year to Date	
			Deferred plan balance.	
M	BAL02	522	**Amount Qualifier Code**	M ID 1/3
			Code to qualify amount	
			YB Actual Unpaid Principal Balance	
M	BAL03	782	**Monetary Amount**	M R 1/18
			Monetary amount	

Segment:	**IT1** Baseline Item Data				
Position:	010				
Loop:	IT1 Optional				
Level:	Detail				
Usage:	Optional				
Max Use:	1				

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: ACCOUNT: Used to convey charges that apply to the entire account.

Required

IT1~1~~~~~SV~EL~C3~ACCOUNT

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	IT101	350	**Assigned Identification**	O	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
			Sequential Line Item Counter		
M	IT106	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			SV Service Rendered		
M	IT107	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
			There may be only one commodity for each 810 transaction.		
			EL Electric Service		
M	IT108	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			C3 Classification		
M	IT109	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
			ACCOUNT Charges/Taxes at an Account Level		

			Segment:	**DTM** Date/Time Reference (Service Period Start)

Segment: **DTM** Date/Time Reference (Service Period Start)
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 PTD~SU, PTD~BO, and/or PTD~BC loops from the applicable 867.
Required
DTM~150~19991224

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	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		
			Beginning Read Date		
M	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		
			Date expressed as CCYYMMDD		

Segment:	**DTM** Date/Time Reference (Service Period End)			

Segment: **DTM** Date/Time Reference (Service Period End)
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 PTD~SU, PTD~BO, and/or PTD~BC loops from the applicable 867.
Required
DTM~151~20000124

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	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		
			Ending Read Date		
M	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		
			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:	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:	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:	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:		The IT1/SLN segment (Position 200) is used to overcome the limitation of 25 IT1/SAC loops (Position 180). Each SLN loop will only contain one SAC. Multiple charges/allowances require multiple SLN loops. Required SLN~1~~A

Data Element Summary

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

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: Each SLN loop will contain only one SAC. Multiple charges/allowances require multiple SLN loops.
Duke Energy Ohio will always send SAC04 = BAS001 and SAC09 = MO.
Required
SAC~C~F950~EU~GEN002~500~~~~MO~1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	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	
				The amount in the SAC05 will be ignored when summing the invoice total.	
M	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID 4/4
			Code identifying the service, promotion, allowance, or charge		
			F950	Rate Code	
				Rate Ready - Actual Charges	
			H151	Special Services	
				Rate Ready - Budget Billed Charges	
M	SAC03	559	**Agency Qualifier Code**	X	ID 2/2

Code identifying the agency assigning the code values

| | | EU | | Electric Utilities |

| M | SAC04 | 1301 | **Agency Service, Promotion, Allowance, or Charge Code** | **X** | **AN 1/10** |

Agency maintained code identifying the service, promotion, allowance, or charge

BAS001	Customer Charge
BUD001	Current Budget Charge
DMD001	Demand Charge
GEN002	Generation Charge – Measured
GEN003	Generation Charge – Adjusted
GEN004	Generation Charge – Billed
GTC002	Generation/Transmission Charge - Measured
GTC003	Generation/Transmission Charge - Adjusted
GTC004	Generation/Transmission Charge - Billed
GTC005	Generation/Transmission Charge - On Peak
GTC006	Generation/Transmission Charge - Off Peak
LPC001	Late Payment Charge
TRN002	Transmission Charge – Measured
TRN003	Transmission Charge – Adjusted
TRN004	Transmission Charge – Billed

| M | SAC05 | 610 | **Amount** | **O** | **N2 1/15** |

Monetary amount

This field stands on its own and will be signed if it is negative. The SAC01 is NOT used to determine the sign in the SAC05.

| C | SAC08 | 118 | **Rate** | **O** | **R 1/9** |

Rate expressed in the standard monetary denomination for the currency specified

Conditional: Duke Energy Ohio cannot provide

| M | 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

K1	Kilowatt Demand
	kW - Represents potential power load measured at predetermined intervals
K2	Kilovolt Amperes Reactive Demand
	kVAR - Reactive power that must be supplied for specific types of customer's equipment; billable when kilowatt demand usage meets or exceeds a defined parameter
K3	Kilovolt Amperes Reactive Hour
	kVARh - Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters
K4	Kilovolt Amperes
	kVA - Kilovolt Amperes
KH	Kilowatt Hour
	kWh - Kilowatt Hour
MO	Months

| M | SAC10 | 380 | **Quantity** | **X** | **R 1/15** |

Numeric value of quantity

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: If this amount is negative, send the minus sign.

Required - The TDS will be the total charges for the current month, it will not include prior balances or adjustments.
TDS~9875   (Represents $98.75 the decimal is implied)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	TDS01	610	**Amount**	M N2 1/15
			Monetary amount	

Total amount of non-billing party's invoice

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

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. Des.	Data Element	Name	Attributes
M	SE01	96	**Number of Included Segments**	**M N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments	
M	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	

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