

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

Version 1.5.0
May 1, 2001

Version 2.0.0
December 31, 2001
Version 2.1.0
June 30, 2002

Version 2.2.0
October 1, 2005

Version 2.3.0
March 9, 2010

Version 2.4.0
February 14, 2012

Version 2.5.0
February 15, 2013

Version 2.6.1
February 8, 2018

Version 2.6.2
February 28, 2019

Initial Release

- 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.
- No changes.
- 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
- No Changes
- 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.
- 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.
- No Changes
- Incorporated Change Control 147 (Add 6 new SAC04 codes to the 810 Rate Ready transaction)
- Incorporate Change Control 165 (FirstEnergy is no longer sending the REF*45 line in EDI transactions as of December 7th 2018. This is an administrative Change Control only to remove the sentence “FirstEnergy will always send if noted on the account in CIS system.” from the gray box area in the above noted transactions.)

810 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.

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>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 810 Invoice	M ID 3/3
M	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~19990201~19990201123500001~~~2048392934504~~ME~00

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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 finalized 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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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	

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:	<p>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.</p> <p>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.</p> <p>REF~45~110678500</p>	

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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)
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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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)
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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	Required REF~PC~LDC

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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)
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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
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		
M	N102	93 Name	X	AN 1/60
		Free-form name		
		EDU 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		
		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.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
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.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	<ol style="list-style-type: none"> 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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BAL01	951	Balance Type Code Code indicating the type of balance P Previous Month	M ID 1/2
M	BAL02	522	Amount Qualifier Code Code to qualify amount YB Actual Unpaid Principal Balance	M ID 1/3
M	BAL03	782	Monetary Amount Monetary amount	M R 1/18

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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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
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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sequential Line Item Counter	O AN 1/20
M	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
M	IT107	234	Product/Service ID Identifying number for a product or service There may be only one commodity for each 810 transaction. EL Electric Service	X AN 1/48
M	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
M	IT109	234	Product/Service ID Identifying number for a product or service ACCOUNT Charges/Taxes at an Account Level	X AN 1/48

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.	Data	Name	Attributes
	Des.	Element		
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)
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.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
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:	<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 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.</p> <p>Required</p> <p>SLN~1~~A</p>

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
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		
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		
			ENC003 Off Peak		
			ENC023 Volumetric Tier 1		
			ENC025 Volumetric Tier 2		
			ENC026 Volumetric Tier 3		
			ENC039 On Peak		
			ENC044 Critical Tier		
			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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01. 	
Notes:	<p>If this amount is negative, send the minus sign.</p> <p>Required - The TDS will be the total charges for the current month, it will not include prior balances or adjustments.</p> <p>TDS~9875 (Represents \$98.75 the decimal is implied)</p>	

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Amount	
M	TDS01	610	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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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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