

Illinois

Implementation
Guide
For
Electronic
Data
Interchange

Transaction Set
Version 4010
810
Invoice

Version 1.04 • Sept. 27,2001

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.

Notes:

The design of these specifications are for the exchange of invoice information from a Delivery Service Provider (DSP) to a Retail Electric Supplier (RES).

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIG	Beginning Segment for Invoice	M	1		
	030	NTE	Note/Special Instruction	O	100		
	050	REF	Reference Identification	O	12		
LOOP ID - N1						200	
	070	N1	Name	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	212	BAL	Balance Detail	O	>1		
	213	INC	Installment Information	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	
	010	IT1	Baseline Item Data (Invoice)	O	1		
	040	TXI	Tax Information	O	10		
	059	MEA	Measurements	O	40		
LOOP ID - PID						1000	
	060	PID	Product/Item Description	O	1		
	120	REF	Reference Identification	O	>1		
	150	DTM	Date/Time Reference	O	10		
LOOP ID - SLN						1000	
	200	SLN	Subline Item Detail	O	1		
	230	SAC	Service, Promotion, Allowance, or Charge Information	O	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>
Must Use	010	TDS	Total Monetary Value Summary	M	1		

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:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data 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.

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BIG01	373	Date Date expressed as CCYYMMDD Invoice date.	M DT 8/8
Must Use	BIG02	76	Invoice Number Identifying number assigned by issuer Unique invoice number.	M AN 1/22
	BIG07	640	Transaction Type Code Code specifying the type of transaction FE Memorandum, Final Bill The final (last) bill for a non-payable invoice (memo) ME Memorandum	O ID 2/2
	BIG08	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 01 Cancellation 05 Replace	O ID 2/2

Segment: **NTE** Note/Special Instruction
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.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
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 Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	
		Additional text info to be passed.	

Segment: **REF** Reference Identification
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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
			11 Account Number Number identifies a telecommunications industry account	
			12 Billing Account Account number under which billing is rendered	
			45 Old Account Number Identifies accounts being changed	
			BLT Billing Type	
			OI Original Invoice Number	
	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
			If REF01 = "11" enter RES customer account number.	
			If REF01 = "12" enter DSP customer account number.	
			If REF01 = "45" enter old account number.	
			If REF01 = "BLT" enter bill type.	
			If REF01 = "OI" enter original invoice number.	

Segment: **N1** Name
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.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use	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	
		8S Consumer Service Provider (CSP)	
		SJ Service Provider	
		Identifies name and address information as pertaining to a service provider for which billing is being rendered	
N102	93	Name	X AN 1/60
		Free-form name	
		If N101 = "8S" enter DSP name.	
		If N101 = "8R" enter Customer name.	
		If N101 = "SJ" enter RES name.	
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	
		92 Assigned by Buyer or Buyer's Agent	
N104	67	Identification Code	X AN 2/80
		Code identifying a party or other code	
		Use "92" for Store Number.	

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

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
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: **BAL** Balance Detail
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:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BAL01	951	Balance Type Code Code indicating the type of balance	M ID 1/2
			M Current Month	
			P Previous Month	
			Balance of previous period charges prior to applying payments and adjustments for the previous period billing	
			Y Year to Date	
Must Use	BAL02	522	Amount Qualifier Code Code to qualify amount	M ID 1/3
			J9 Beginning Balance	
			YB Actual Unpaid Principal Balance	
Must Use	BAL03	782	Monetary Amount Monetary amount	M R 1/18

If BAL01 = "P" and BAL02 = "YB"; enter Balance Owed on last Bill.
 If BAL01 = "M" and BAL02 = "J9"; enter Balance after applying any payment from last billing.
 If BAL01 = "M" and BAL02 = "YB"; enter Current Balance Owed. This should be the sum total listed in the detail portion of the bill.
 If BAL01 = "Y" and BAL02 = "YB"; enter Budget Balance.

Segment: **INC** **Installment Information**
Position: 213
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify installment billing arrangement
Syntax Notes:
Semantic Notes:

- 1 INC02 is the installment period (e.g., months).
- 2 INC03 is the total number of installments.
- 3 INC04 is the number of the current installment.
- 4 INC05 is the installment balance after the current installment is applied.

Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	INC01	336	Terms Type Code Code identifying type of payment terms 04 Deferred or Installment	M ID 2/2
Must Use	INC02	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	M
Must Use	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken MO Months	M ID 2/2
Must Use	INC03	380	Quantity Numeric value of quantity Enter "1"	M R 1/15
Must Use	INC04	380	Quantity Numeric value of quantity Enter "1"	M R 1/15
	INC05	782	Monetary Amount Monetary amount Installment amount.	O R 1/18

Segment: **IT1** **Baseline Item Data (Invoice)**
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 either IT106 or IT107 is present, then the other is required.
 2 If either IT108 or IT109 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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Iterative count.	O AN 1/20
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
IT107	234	Product/Service ID Identifying number for a product or service Enter utility. i.e. "ELECTRIC".	X AN 1/48
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
IT109	234	Product/Service ID Identifying number for a product or service Enter the level at which this information is being reported. i.e. "METER", "RATE", "UNMET", "ACCOUNT", etc.	X AN 1/48

Segment: **TXI** Tax Information
Position: 040
Loop: IT1 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.

Semantic Notes: 1 TXI02 is the monetary amount of the tax.
 2 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Notes: Taxes may be reported in this segment.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963 Tax Type Code Code specifying the type of tax	M ID 2/2
		FR Franchise Tax Tax imposed by municipality for the right to provide service	
		MP Municipal Tax Service tax imposed by a municipality	
		SE State Excise Tax Usage tax imposed by state of provincial government	
		ST State Sales Tax	
		UT Utility Users' Tax City or county tax for natural gas usage that is imposed upon customers	
		ZZ Mutually Defined	
TXI02	782	Monetary Amount Monetary amount	X R 1/18
TXI06	441	Tax Exempt Code Code identifying exemption status from sales and use tax	X ID 1/1
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
TXI07	662	Relationship Code Code indicating the relationship between entities	O ID 1/1
		A Add	
		O Information Only Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	

Segment: **MEA** Measurements

Position: 059

Loop: IT1 Optional

Level: Detail

Usage: Optional

Max Use: 40

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

Syntax Notes: 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.

2 If MEA05 is present, then MEA04 is required.

3 If MEA06 is present, then MEA04 is required.

4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.

5 Only one of MEA08 or MEA03 may be present.

Semantic Notes: 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments: 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Notes: This segment can be used if you are reporting meter read information.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
MEA01	737	Measurement Reference ID Code	O ID 2/2
		Code identifying the broad category to which a measurement applies	
		AA Meter reading-beginning actual/ending actual	
		AE Meter reading-beginning actual/ending estimated	
		EA Meter reading-beginning estimated/ending actual	
		EE Meter reading-beginning estimated/ending estimated	
MEA02	738	Measurement Qualifier	O ID 1/3
		Code identifying a specific product or process characteristic to which a measurement applies	
		32 Value Change	
		CO Core Loss	
		MU Multiplier	
		UG Usage	
MEA03	739	Measurement Value	X R 1/20
		The value of the measurement	
		Read value.	
MEA04	C001	Composite Unit of Measure	X
		To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	Unit or Basis for Measurement Code	M 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	
		Represents potential power load measured at predetermined intervals	
		KH Kilowatt Hour	
MEA05	740	Range Minimum	X R 1/20
		The value specifying the minimum of the measurement range	
		Begin reading.	
MEA06	741	Range Maximum	X R 1/20
		The value specifying the maximum of the measurement range	
		End reading.	

MEA07

935

Measurement Significance Code

O ID 2/2

Code used to benchmark, qualify or further define a measurement value

22	Actual
41	Off Peak
42	On Peak
46	Estimated

Segment: **PID** Product/Item Description
Position: 060
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes: 1 At least one of PID04 or PID05 is required.

Comments: 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
	PID05	352	Description A free-form description to clarify the related data elements and their content Used for any text that needs to be added to the detail portion of the bill.	X AN 1/80

Segment: **REF** Reference Identification
Position: 120
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification KK Delivery Reference LU Location Number MG Meter Number NH Rate Card Number QY Service Performed Code Number indicating the type of service performed to repair a product	M ID 2/3
	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
	REF03	352	Description A free-form description to clarify the related data elements and their content If REF01 = "QY" then enter the description of the usage being reported. If REF01 = "KK" then enter the reading type being reported.	X AN 1/80

Segment: **DTM** Date/Time Reference
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.

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 Code specifying type of date or time, or both date and time 150 Service Period Start 151 Service Period End	M ID 3/3
	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8

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

Semantic Notes:

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Iterative count.	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 SAC09 or SAC10 is present, then the other is required.
- 4 If SAC13 is present, then at least one of SAC02 or SAC04 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.

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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data 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 A Allowance C Charge N No Allowance or Charge	M ID 1/1
	SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge	X ID 4/4
	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values EU Electric Utilities	X ID 2/2
	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge Refer to the list of charge codes created by the UIG.	X AN 1/10
	SAC05	610	Amount Monetary amount Line amount.	O N2 1/15
	SAC08	118	Rate Rate expressed in the standard monetary denomination for the currency specified Price per unit.	O R 1/9

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		
		Represents potential power load measured at predetermined intervals		
		KH Kilowatt Hour		
SAC10	380	Quantity	X	R 1/15
		Numeric value of quantity		
		Line "usage".		
SAC13	127	Reference Identification	X	AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		Resequencing number. This element is optional. Provide, if, for some reason, you are requesting the line items to be reordered on the invoice.		
SAC15	352	Description	X	AN 1/80
		A free-form description to clarify the related data elements and their content		
		Enter text that is to appear on invoice.		

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.

Semantic Notes: 1 TXI02 is the monetary amount of the tax.
 2 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Notes: Taxes may be reported here.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963 Tax Type Code Code specifying the type of tax	M ID 2/2
		FR Franchise Tax Tax imposed by municipality for the right to provide service	
		MP Municipal Tax Service tax imposed by a municipality	
		SE State Excise Tax Usage tax imposed by state of provincial government	
		ST State Sales Tax	
		UT Utility Users' Tax City or county tax for natural gas usage that is imposed upon customers	
		ZZ Mutually Defined	
TXI02	782	Monetary Amount Monetary amount	X R 1/18
TXI06	441	Tax Exempt Code Code identifying exemption status from sales and use tax	X ID 1/1
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
TXI07	662	Relationship Code Code indicating the relationship between entities	O ID 1/1
		A Add	
		O Information Only Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	

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).

Data Element Summary

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

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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	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

PURPOSE:

The purpose of the 810 is to send bill ready data to the billing party in a consolidated billing scenario.

SCENARIO:

RES submits an 810 to the DSP in a Utility Consolidated Billing scenario.

Customer Billing Info:

DSP Bill Account: 0001234567
 Bill Date: 04/12/99
 Bill Period: 03/12/99 - 04/12/99
 Previous Balance: 85.00
 New / Current Charges: 311.98
 Total Charges: 396.98
 Due Date: 05/03/99

Meter Number: 1

Line Item 1: CUSTOMER CHARGE 1 MONTH x 4.00 \$4.00
 Line Item 2: ENERGY CHARGE 1 800 KWH x .12 \$96.00
 Line Item 3: ENERGY CHARGE 2 200 KWH x .10 \$20.00
 Line Item 4: DEMAND CHARGE 10 KW x 1.00 \$10.00

Meter Number: 2

Line Item 5: ENERGY CHARGE 750 KWH x .12 \$90.00
 Line Item 6: DEMAND CHARGE 9.5 KW x 1.00 \$9.50

Meter Number: Unmetered

Line Item 7: COMMERCIAL NIGHT LIGHT 812 KWH x .10 \$81.20

Meter Number: Account Level Charge

Line Item 8: LATE PAYMENT CHARGE \$85.00 x .015 \$1.28
 (A Line Item is the text that the RES wants to show up on the bill)

TRANSACTION:

ST~810~000000002	
BIG~19990412~1999-04-12-13.59.59.999999~ME~00	Date bill was issued, unique number identifying this bill, indicates "memorandum" bill, indicates transaction is original
NTE~ADD~FREE FORM TEXT MESSAGE UP TO 80 CHARACTERS TO PRINT ON BILL	Allows non-billing party to have a free form message printed on the customer's bill
REF~12~0001234567	Identifies customers bill account number with DSP
REF~BLT~LDC	Indicates the DSP is supplying the bill to the customer on behalf of the RES
N1~8S~DSP NAME~9~1234567891234	DSP qualifier, DSP name, DUNS indicator, DUNS + 4 number

N1~SJ~RES NAME~1~987654321	RES qualifier, RES name, DUNS indicator, DUNS number
N1~8R~CUSTOMER NAME~	Customer qualifier, customer name
ITD~~~~~~19990503	Due date of charges
BAL~P~YB~8500	Balance as of issuance of prior month's bill
BAL~M~J9~6000	Balance immediately prior to issuance of current bill (indicates customer paid or was somehow credited \$25 since last bill was issued)
BAL~M~YB~37698	Total balance on customer's account (includes current bill and any amount past due)
IT1~00000000000000000001~~~~~SV~ELECT RIC~C3~METER	Sequential line item counter, service type indicator, category of charge indicator, indicates meter level charge
REF~MG~METER#	Meter number qualifier, customer's meter number
DTM~150~19990312	Beginning date for period
DTM~151~19990412	Ending date for period
SLN~00000000000000000001~~A	Sequential subline counter
SAC~C~~EU~BAS001~400~~~~~~01~~CUS TOMER CHARGE 1 MONTH X 4.00	Charge indicator, energy charge indicator, charge category, line item sequencing number to determine placement on the bill, print line
SLN~00000000000000000002~~A	Sequential subline counter
SAC~C~~EU~ENC000~9600~~~~~~02~~EN ERGY CHARGE 1 800 KWH X .12	Charge indicator, energy charge indicator, charge category, line item sequencing number to determine placement on the bill, print line
SLN~00000000000000000003~~A	Sequential subline counter
SAC~C~~EU~ENC000~9600~~~~~~03~~EN ERGY CHARGE 2 200 KWH X .10	Charge indicator, energy charge indicator, charge category, line item sequencing number to determine placement on the bill, print line
SLN~00000000000000000004~~A	Sequential subline counter
SAC~C~~EU~DMD001~1000~~~~~~04~~DE MAND CHARGE 10 KW X 1.00	Charge indicator, energy charge indicator, charge category, line item sequencing number to determine placement on the bill, print line
IT1~00000000000000000002~~~~~SV~ELECT RIC~C3~METER	Sequential line item counter, service type indicator, category of charge indicator, indicates meter level charge
REF~MG~METER#2	Meter number qualifier, customer's meter number
DTM~150~19990312	Beginning date for period
DTM~151~19990412	Ending date for period
SLN~00000000000000000005~~A	Sequential subline counter
SAC~C~~EU~ENC000~9000~~~~~~05~~EN ERGY CHARGE 750 KWH X .12	Charge indicator, energy charge indicator, charge category, line item sequencing

	number to determine placement on the bill, print line
SLN~00000000000000000006~~A	Sequential subline counter
SAC~C~~EU~DMD001~950~~~~~06~~DE MAND CHARGE 9.5 KW X 1.00	Charge indicator, energy charge indicator, charge category, line item sequencing number to determine placement on the bill, print line
IT1~00000000000000000003~~~~SV~ELECT RIC~C3~UNMET	Sequential line item counter, service type indicator, category of charge indicator, indicates unmetered charge
DTM~150~19990312	Beginning date for period
DTM~151~19990412	Ending date for period
SLN~00000000000000000007~~A	Sequential subline counter
SAC~C~~EU~ODL001~8120~~~~~07~~CO MMERCIAL NIGHT LIGHT 812 KWH X .10	Charge indicator, energy charge indicator, charge category, line item sequencing number to determine placement on the bill, print line
IT1~00000000000000000004~~~~C3~ACC OUNT	Sequential line item counter, category of charge indicator, indicates account level charge
SLN~00000000000000000008~~A	Sequential subline counter
SAC~C~~EU~LPC001~128~~~~~08~~LAT E PAYMENT CHARGE \$85.00 X .015	Charge indicator, energy charge indicator, charge category, line item sequencing number to determine placement on the bill, print line
TDS~31198	Total amount of current bill being sent
SE~42~000000002	