DAIKIN APPLIED

810 Invoice

X12/V4010/810 : 810 Invoice

Version: 1.1 Final

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810

Invoice

Functional Group=IN

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

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
010	ST	Transaction Set Header	M	1			Must use	3
020	BIG	Beginning Segment for Invoice	M	1			Must use	4
040	CUR	Currency	O	1			Must use	5
050	REF	Reference Identification	O	12			Must use	6
LOOP ID - N1					**200**			7
070	N1	Name	O	1			Used	8
090	N3	Address Information	O	2			Used	9
100	N4	Geographic Location	O	1			Used	10
140	DTM	Date/Time Reference	O	10			Used	11
LOOP ID - N9					**1**			12
240	N9	Reference Identification	O	1			Must use	13
250	MSG	Message Text	M	10			Must use	14

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
LOOP ID - IT1					**200000**			15
010	IT1	Baseline Item Data (Invoice)	O	1			Must use	16
050	CTP	Pricing Information	O	25			Must use	19
LOOP ID - PID					**1000**			20
060	PID	Product/Item Description	O	1			Used	21
120	REF	Reference Identification	O	>1			Used	22

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
010	TDS	Total Monetary Value Summary	M	1			Must use	23
020	TXI	Tax Information	O	10			Used	24
LOOP ID - SAC					**25**			25
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used	26
070	CTT	Transaction Totals	O	1		N3/070	Used	28
080	SE	Transaction Set Trailer	M	1			Must use	29

Notes:

3/070   Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Daikin IDs:

Production: ZZ:7635535330P
Test: ZZ:7635535330T

Change Log:
10/30/2023
- . BIG03 - Updated Usage to Used
- . CUR02 - Added Qualifer BY
- . N102 - Added Qualifer VN
- . N103 - Usage updated to Must Use
- . N104 - Usage updated to Must Use
- . N402 - Updated Usage to Must Use
- . IT103 - The following qualifiers have been updated to reflect their X12 Standard Values:
  - . Case - Corrected from CS to CA per standard
  - . Square Foot - Corrected from F2 to SF per standard
  - . Gallon - Corrected from GL to GA per standard
- . REF01 - Added Qualifer BX
- . REF02 (detail level) - Updated Usage to Must Use
- . CUR (detail level) - Removed segment as it is not used.

ST   **Transaction Set Header**

Pos: 010   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use
Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set
All valid standard codes are used. (Total Codes: 298)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

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

BIG   Beginning Segment for Invoice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

User Option (Usage): Must use
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG01	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG02	76	**Invoice Number**	M	AN	1/22	Must use

Description: Identifying number assigned by issuer

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG03	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD
User Note 1: Purchase Order Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG04	324	**Purchase Order Number**	O	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser
User Note 1: Purchase order numbers must be between 6/8 characters long and numeric.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG05	328	**Release Number**	O	AN	1/30	Used

Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction
User Note 1:   Return purchase order release number if present on the order (850-BEG04/860- BCH04)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG07	640	**Transaction Type Code**	O	ID	2/2	Must use

Description: Code specifying the type of transaction
User Note 1: Daikin no longer accepts credits via EDI. Vendors should communicate credits via email to apinvoices@daikinapplied.com

Code List Summary (Total Codes: 446, Included: 1)

Code	Name
DR	Debit Memo

Semantics:

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.

CUR   Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Must use
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR01	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

Code List Summary (Total Codes: 1312, Included: 1)

Code	Name
BY	Buying Party (Purchaser)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR02	100	**Currency Code**	M	ID	3/3	Must use

Description: Code (Standard ISO) for country in whose currency the charges are specified

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

REF Reference Identification

Pos: 050	Max: 12
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Must use
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 2)

Code	Name
CO	Customer Order Number
IA	Internal Vendor Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
User Note 1: Required when REF01=IA. Derived from REF02 on the 850 where REF01 = IA. Derived from the REF02 on the 860 where REF01 = IA.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF03	352	**Description**	X	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content
User Note 1: Required when REF01=CO

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

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

Loop Name

Pos: 070	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
070	N1	Name	O	1		Used
090	N3	Address Information	O	2		Used
100	N4	Geographic Location	O	1		Used

N1 **Name**

<table>
<tr><td>Pos: 070</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

Code List Summary (Total Codes: 1312, Included: 3)

Code	Name
RI	Remit To
ST	Ship To
VN	Vendor

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Must use

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Must use

Description: Code designating the system/method of code structure used for Identification Code (67)

Code List Summary (Total Codes: 215, Included: 1)

Code	Name
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Must use

Description: Code identifying a party or other code
User Note 1: For N101 = ST, If provided on the order (850/860), required on the INV

Required when N101 = RI, vendor should provide their payment location number as defined by Daikin

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

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.

N3   Address Information

<table>
<tr><td>Pos: 090</td><td>Max: 2</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	**Elements: 4**

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Must use

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Must use

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Must use

Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

DTM   **Date/Time Reference**

Pos: 140   Max: 10
Heading - Optional
Loop: N/A   Elements: 2

User Option (Usage): Used
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

Code List Summary (Total Codes: 1112, Included: 1)

Code	Name
011	Shipped

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Reference Identification

<table>
<tr><td>Pos: 240</td><td>Repeat: 1</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td>Loop: N9</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Used
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
240	N9	Reference Identification	O	1		Must use
250	MSG	Message Text	M	10		Must use

N9 Reference Identification

Pos: 240	**Max: 1**
Heading - Optional	
Loop: N9	**Elements: 2**

User Option (Usage): Must use
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 1)

Code	Name
L1	Letters or Notes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	X	AN	1/30	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
User Note 1: Send Value "GEN"

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

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

MSG   Message Text

Pos: 250	**Max: 10**
Heading - Mandatory	
Loop: N9	**Elements: 1**

User Option (Usage): Must use
Purpose: To provide a free-form format that allows the transmission of text information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MSG01	933	**Free-Form Message Text**	M	AN	1/264	Must use

Description: Free-form message text

Syntax Rules:

1. C0302 - If MSG03 is present, then MSG02 is required.

Semantics:

1. MSG03 is the number of lines to advance before printing.

Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2. If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Loop Baseline Item Data (Invoice)

Pos: 010	**Repeat: 200000**
	Optional
Loop: IT1	**Elements: N/A**

User Option (Usage): Must use
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	IT1	Baseline Item Data (Invoice)	O	1		Must use
050	CTP	Pricing Information	O	25		Must use
060		Loop PID	O		1000	Must use
120	REF	Reference Identification	O	>1		Used

IT1   Baseline Item Data (Invoice)

Pos: 010	**Max: 1**
Detail - Optional	
Loop: IT1	**Elements: 8**

User Option (Usage): Must use
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT101	350	**Assigned Identification**	O	AN	1/20	Must use

Description: Alphanumeric characters assigned for differentiation within a transaction set
User Note 1: Must match value sent on the Order (850/860)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT102	358	**Quantity Invoiced**	X	R	1/10	Must use

Description: Number of units invoiced (supplier units)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT103	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
User Note 1: The supplier sends back the unit of measure (UOM) that was originally sent on the purchase order.

Code List Summary (Total Codes: 794, Included: 43)

Code	Name
05	5 Meter
12	12 PCS
18	55 Gallon Drum
30	30 Gallon Drum
5C	5 Gallon Drum
5I	Standard Cubic Foot
B8	Board Foot
CA	Case
CM	Centimeter
CY	Cubic Yard
DA	Days
DH	Miles
DO	Dollars, U.S.
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
GS	Gross
HF	Hundred Feet
HH	Hundred Cubic Feet
HR	Hours
IN	Inch
KG	Kilogram
LB	Pound
LT	Liter
MM	Millimeter
MO	Months
MR	Meter
OP	Two pack
OZ	Ounce - Av
P4	Four-pack

	P6	Six pack			
	P9	Nine pack			
	PR	Pair			
	PT	Pint			
	QT	Quart			
	RK	30 Foot Roll			
	SF	Square Foot			
	SI	Square Inch			
	SM	Square Meter			
	TN	Net Ton (2,000 LB).			
	UN	Unit			
	YD	Yard			

IT104	212	**Unit Price**	X	R	1/17	Must use

Description: Price per unit of product, service, commodity, etc.
User Note 1: This price must match the price sent on the 850 or 860.

IT106	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)
User Note 1: Return if present on the 850/860

Code List Summary (Total Codes: 477, Included: 1)

Code	**Name**
BP	Buyer's Part Number

IT107	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

IT108	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code	**Name**
VP	Vendor's (Seller's) Part Number

IT109	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

Semantics:

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.

CTP   Pricing Information

User Option (Usage): Must use
Purpose: To specify pricing information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP08	782	**Monetary Amount**	O	R	1/18	Used

> **Description:** Monetary amount
> **User Note 1:** Extended Item Amount Price* Qty

Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 is required.

Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Loop Product/Item Description

Pos: 060	**Repeat: 1000**
Optional	
Loop: PID	**Elements: N/A**

User Option (Usage): Must use
Purpose: To describe a product or process in coded or free-form format

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
060	PID	Product/Item Description	O	1		Used

PID   Product/Item Description

User Option (Usage): Used
Purpose: To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use

Description: Code indicating the format of a description

Code List Summary (Total Codes: 3, Included: 1)

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID02	750	**Product/Process Characteristic Code**	O	ID	2/3	Must use

Description: Code identifying the general class of a product or process characteristic

Code List Summary (Total Codes: 217, Included: 1)

Code	Name
08	Product

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	X	AN	1/80	Must use

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

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.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

REF   Reference Identification

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 2)

Code	Name
BX	Buyer's Shipment Mark Number
L1	Letters or Notes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
User Note 1: For REF*BX send Distribution Line number from the purchase order (The value for the SLN01 on the 850/860)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF03	352	**Description**	X	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content
User Note 1: For REF*BX send Shipment Line Number from the purchase order (The value for the SLN01 on the 850)

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

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

User Note 1:
Item Level Note

TDS Total Monetary Value Summary

Pos: 010   **Max: 1**
   Summary - Mandatory
Loop: N/A   **Elements: 1**

User Option (Usage): Must use
Purpose: To specify the total invoice discounts and amounts

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TDS01	610	**Amount**	M	N2	1/15	Must use

> **Description:** Monetary amount
> **User Note 1:** Total Invoice Amount (including charges, less allowances, plus taxes)

Semantics:

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.

TXI   Tax Information

Pos: 020	**Max: 10**
Summary - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Used
Purpose: To specify tax information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI01	963	**Tax Type Code**	M	ID	2/2	Must use

Description: Code specifying the type of tax

Code List Summary (Total Codes: 74, Included: 3)

Code	Name
GS	Goods and Services Tax
SP	State/Provincial Tax
ST	State Sales Tax

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI02	782	**Monetary Amount**	X	R	1/18	Used

Description: Monetary amount

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

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

Loop Service, Promotion, Allowance, or Charge Information

Pos: 040	Repeat: 25
Optional	
Loop: SAC	**Elements: N/A**

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC   Service, Promotion, Allowance, or Charge Information

Pos: 040   Max: 1
Summary - Optional
Loop: SAC   Elements: 4

User Option (Usage): Used
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

Code List Summary (Total Codes: 7, Included: 2)

Code	Name
A	Allowance
C	Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID	4/4	Used

Description: Code identifying the service, promotion, allowance, or charge

Code List Summary (Total Codes: 1053, Included: 5)

Code	Name
D240	Freight
D260	Fuel Charge
F050	Other (See related description)
G830	Shipping and Handling
H550	Surcharge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	O	N2	1/15	Used

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC15	352	**Description**	X	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content
User Note 1: Required when SAC02 = F050

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

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.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase

order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. 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.

CTT   Transaction Totals

Pos: 070   Max: 1
Summary - Optional
Loop: N/A   Elements: 1

User Option (Usage): Used
Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

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

SE   Transaction Set Trailer

| Pos: 080   Max: 1 |
| Summary - Mandatory |
| Loop: N/A   Elements: 2 |

User Option (Usage): Must use

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)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

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

Sample Data

Sample 810

```
ISA*00*          *00*          *ZZ*5403621234     *ZZ*7635535330T   *230811*0552*U*00401*000000009*0*T*>~
GS*IN*5403621234*7635535330T*20230712*0552*455894*X*004010~
ST*810*0001~
BIG*20230711*35353535*20230711*3535353***DR~
CUR*BY*USD~
REF*IA*101001~
N1*RI*YOUR CORPORATION*92*USCHICA100XXX~
N3*Address Line 1~
N4*City*ST*ZIP*US~
N1*ST*SHIP TO ORGANIZATION*92*DAIXXXXXX~
N3*ADDRESS LINE 1~
N4*CITY*ST*POSTALCODE*US~
DTM*011*20230711
N9*L1*GEN~
MSG*NONE~
IT1*1*1*EA*16.1200****VP*AB12341095~
CTP*******16.12~
PID*F*08***ITEM DESCRIPTION~
REF*BX*1*1~
TDS*2533~
SAC*C*D240***921~
CTT*1~
SE*21*0001~
GE*3*455894~
IEA*1*000455894~
```