

810 Invoice

MUVIQ USA, LLC
North America
Division

ANSI ASC X12 4010
Version: 1.0
Publication:
10/01/15

Change Control

Version ID	Date of Update	Updated By:	Description of Version and Change
2015001	10/01/15	Evelyn Herrick	Initial Deployment of this document.
2018001	02/14/18	Evan Meyer	Changes resulting from ERP Migration to CMS: <ol style="list-style-type: none"> 1. DTM01 – date qualifier corrected (17 to 017) for the delivery date. 2. Refreshed the example 810 and example segments. 3. Removed “MUVIQ N.A. Helpdesk” from contacts
2018002	05/23/18	Evan Meyer	Changes resulting from ERP Migration to CMS: <ol style="list-style-type: none"> 1. Updated “EDI Processing Compliance” and “Business Processing - Data Content” sections. 2. REF02 Packing List number max size increased from 12 to 15 characters
2018003	06/19/18	Evan Meyer	Changes resulting from ERP Migration to CMS:
2018004	11/06/24	Erick Whitten	Changed company name from Dayco to MUVIQ

Standards Overview

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.

Business Overview

EDI provides many benefits to support your business in achieving its objectives. EDI reduces paperwork (forms handling), data entry labor costs, printing costs, and postage costs. EDI drives out inefficiencies in the business process.

Organizations choosing EDI should consider that the full benefits are only received when both parties fully integrate the EDI data into their application systems.

EDI Processing - Compliance

- The EDI format of the 810 document is first checked for ANSI X12 compliance issues. A functional acknowledgment (997) will be returned letting the supplier know that
 - 1) Their document was received by MUVIQ
 - 2) The status of the compliance check. The resulting status (accepted, rejected, accepted w/errors) is based on the EDI format and not the content. Individual invoices may be rejected in the “data content” portion of the process.
- The content of the 810 invoice is edited against MUVIQ’s vendor master, purchase order, ASN received, item master, and various tables where all codes and qualifiers are validated.
- An Invoice with one or more Fatal Errors at the Line Item or Header levels will result in the entire invoice being rejected. If your 810 is rejected, you must correct the errors and retransmit the 810.

Business Processing - Data Content

- The 810 must be transmitted within 48 hours of shipping the product.
- Unit price must not extend beyond 4 decimal places. If more than 4 decimal places are transmitted, MUVIQ will truncate the amount.
- The surcharge codes are:
 - E620 Metals Surcharge
 - H550 Fuel/Natural Gas Surcharge
 - D230 Freight Surcharge
 - E820 Expendable Packaging
 - B220 Aluminum
 - C080 Plastics Surcharge
 - F150 Packaging Service

Please ensure you are using the surcharge code that corresponds to your surcharge type. Using the incorrect code could cause payment to be delayed.

If your Surcharge does not fall into one of the above categories, contact either your MUVIQ Buyer or Commodity Manager.

- If you are currently transmitting ASN's to MUVIQ, the packing slip number you transmit on the 810 must be identical to the packing slip number on the ASN.
- Packing slip number is a maximum of 15 alphanumeric characters with no special characters or spaces. The packing slip number may not be repeated in a 24-month period.
- Invoice number may not exceed 20 alphanumeric characters with no special characters or spaces. The invoice number may not be repeated in a 24-month period.
- Invoice Rejections will be communicated to suppliers via E-mail.

Additional Information

Testing Procedure: Additional information regarding EDI Startup and Testing Procedures with *MUVIQ USA, LLC* is available on request.

Codes: All acceptable codes required to implement the 810 invoice and other transaction sets, have been consolidated into an appendix document and are available on request.

Contacts

EDI Certification and Support:

MUVIQ EDI Support Team –
edisupport@dayco.com

Business Relations:

Contact your plant or MUVIQ Buyer

810

Invoice

Functional Group=IN

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Headers:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ISA	Interchange Control Header	M	1			Must use
0200	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BIG	Beginning Segment for Invoice	M	1			Must use
0400	CUR	Currency	O	1			Must use

LOOP ID - N1				200		Must Use
0900	N1	Name	O	1		Must use
1900	DTM	Date/Time Reference	O	10		Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - IT 1				200000		Must Use	
0200	IT1	Baseline Item Data (Invoice)	O	1		Must use	
1800	REF	Reference Identification (PK)	O	1		Must use	
LOOP ID - SAC				25		Used	
2800	SAC	Service, Promotion, Allowance, or Charge Information (Detail)	O	1		Used	

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	TDS	Total Monetary Value Summary	M	1			Must use
1100	CTT	Transaction Totals	O	1			Must use
1200	SE	Transaction Set Trailer	M	1			Must use

Trailers:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	GE	Functional Group Trailer	M	1			Must use
0200	IEA	Interchange Control Trailer	M	1			Must use

The following is an example 810. All supplier mapping and set up should be based on the 810 Specs and not this example transaction.

Example:

```
ISA*00*      *00*      *12*XXXXXXXXXXXX *01*150148617 *180209*0940*U*00401*180000001*0*P*>~
GS*IN*XXXXXXXXXXXX*150148617*20180209*0940*180000001*X*004010~
ST*810*8100001~
BIG*20180209*138475*20180209*****00~
CUR*BY*USD~
N1*SU*SUPPLIER NAME*92*123456~
N1*RC*MUVIQ PRODUCTS - SPRINGDALE*92*112~
DTM*017*20180214~
IT1**1584*EA*1.8008**BP*103-000405*PO*112000187~
REF*PK*138475~
SAC*C*E620***13305~
IT1**2304*EA*3.0078**BP*33-1091*PO*112000187~
REF*PK*138475~
SAC*C*E620***40550~
TDS*1032099~
CTT*2~
SE*15*8100001~
GE*1*180000001~
IEA*1*180000001~
```

Segment:	ISA Interchange Control Header
Level:	Header
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To start and identify an interchange of zero or more functional groups and interchange-related control segments
Example:	ISA*00* *00* *01*150148617 *01*123456789 *180209*1123*U*00401*18000001*0*P

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	101	Authorization Information Qualifier Code to identify the type of information in the Authorization Information All valid standard codes are used.	M	ID	2/2	Must use
ISA02	102	Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	103	Security Information Qualifier Code to identify the type of information in the Security Information All valid standard codes are used.	M	ID	2/2	Must use
ISA04	104	Security Information This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	105	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.	M	ID	2/2	Must use
ISA06	106	Interchange Sender ID Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use
ISA07	105	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use
		Code Name 01 Duns (Dun & Bradstreet)				
ISA08	107	Interchange Receiver ID Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them Note: MUVIQ ISA08 Production ID: "150148617" MUVIQ ISA08 Test ID:	M	AN	15/15	Must use
ISA09	108	Interchange Date Date of the interchange	M	DT	6/6	Must use

ISA10	I09	Interchange Time Time of the interchange	M	TM	4/4	Must use
ISA11	I10	Interchange Control Standards Identifier Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.	M	ID	1/1	Must use
ISA12	I11	Interchange Control Version Number Code specifying the version number of the interchange control segments Code Name 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use
ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1) Code Name 0 No Acknowledgment Requested	M	ID	1/1	Must use
ISA15	I14	Usage Indicator Code to indicate whether data enclosed by this interchange envelope is test, production or information All valid standard codes are used.	M	ID	1/1	Must use
ISA16	I15	Component Element Separator Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use

Segment:	GS Functional Group Header
Level:	Header
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer
Semantic:	1: GS04 is the group date. 2: GS05 is the group time. 3: The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.
Example:	GS*IN*150148617*123456789*20180209*1123*180000001*X*004010

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code Code identifying a group of application related transaction sets	M	ID	2/2	Must use
		Code Name				
		IN Invoice Information (810)				
GS02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	Application Receiver's Code Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use
		Note: MUVIQ GS03 Production ID: "150148617" MUVIQ GS03 Test ID: "150148617"				
GS04	373	Date Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M	TM	4/8	Must use
GS06	28	Group Control Number Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	Responsible Agency Code Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480	M	ID	1/2	Must use
		All valid standard codes are used.				
GS08	480	Version / Release / Industry Identifier Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments.	M	AN	1/12	Must use
		Code Name				
		004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				

Segment:	ST Transaction Set Header
Level:	Header
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Semantic:	The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate set definition
Example:	ST*810*810001

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M	ID	3/3	Must use
		<u>Code</u> <u>Name</u>				
		810 Invoice				
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	Must use

Segment:	BIG Beginning Segment for Invoice
Level:	Header
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates
Semantic:	1: BIG01 is the document creation date 2: BIG03 is the Invoice date
Example:	BIG*20180209*00173916*20180209*1234567890****00

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	Date Date expressed as CCYYMMDD	M	DT	8/8	Must use
BIG02	76	Invoice Number Identifying number assigned by issuer	M	AN	1/20	Must use
<div style="background-color: #e0e0e0; padding: 5px;"> <p>Note: 1) A maximum of 20 2) No leading spaces or special characters 3) If using alpha characters, please use UPPER CASE</p> </div>						
BIG03	373	Date Date expressed as CCYYMMDD	M	DT	8/8	Must use
BIG04	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	O	AN	1/9	Optional
BIG08	353	Transaction Set Purpose Code Code identifying purpose of transaction set.	O	AN	2/2	Must use
		<u>Code</u>		<u>Name</u>		
		00		Original		
		12		Test		

Segment:	CUR Currency
Level:	Header
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To specify the currency (dollars, pounds, francs, etc) used in a transaction
Notes	Required by AIAG for all transactions
Example	CUR*BY*USD

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/2	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BY</td> <td>Buying Party (Purchaser)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BY	Buying Party (Purchaser)				
<u>Code</u>	<u>Name</u>									
BY	Buying Party (Purchaser)									
CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Must use				
		<p>Note: This is a three-position alpha code from the ISO-4217 code list.</p> <p>The primary codes used in North America are: CAD Canadian Dollars USD United States Dollars</p>								

Segment:	N1 Name
Level:	Header
Loop:	N1 REPEAT: 200
Usage:	Mandatory
Max Use:	1
Purpose:	To identify a party by type of organization, name ,and code
Comment:	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.
Syntax:	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
Example:	N1*SU*SUPPLIER NAME*92*123456 N1*RC*MUVIQ USA - SPRINGDALE*92*112

Data Element Summary

Ref	Id	Element Name	Req	Type	Min/Max	Usage						
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/2	Must use						
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>SU</td> <td>Supplier</td> </tr> <tr> <td>RC</td> <td>Receiving Location</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	SU	Supplier	RC	Receiving Location				
<u>Code</u>	<u>Name</u>											
SU	Supplier											
RC	Receiving Location											
		Note: <i>Both entity Identifier Codes must be included</i>										
N102	93	Name Free-form name	X	AN	1/60	Must use						
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X	ID	2/2	Must use						
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>92</td> <td>Vendor or Plant Code</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	92	Vendor or Plant Code						
<u>Code</u>	<u>Name</u>											
92	Vendor or Plant Code											
N104	67	Identification Code Code identifying a party or other code	X	AN	3/6	Must use						
		Note: <i>Vendor Code – Assigned by MUVIQ Buyer</i> <i>Receiving Location – Assigned by MUVIQ Buyer</i>										

Segment:	DTM Date/time reference
Level:	Header
Loop:	---
Usage:	Mandatory
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax	R020305 – At least one of DTM02, DTM03 or DTM05 is required
Example:	DTM*017*20180214

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M	ID	3/3	Must use
		Code 017				
		Name Estimated Delivery				
DTM02	373	Date Date expressed as CCYYMMDD	X	DT	8/8	Must use

Segment:	IT1 Baseline Item Data
Level:	Detail
Loop:	IT1 REPEAT: 100000
Usage:	Mandatory
Max Use:	1
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax:	P020304 - If either IT102, IT103 or IT104 are present, then the others are required. C0504 – P0607 - If either IT106 or IT107 is present, then the other is required. P0809 - If either IT108 or IT109 is present, then the other is required.
Example:	IT1**1584*EA*3.0408**BP*11-4321AB*PO*112000187

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT102	358	Quantity Invoiced Number of units invoiced (supplier units) Note: MUVIQ does not accept decimal quantities. Please round to nearest whole	X	R	1/10	Must use
IT103	355	Unit of Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	ID	2/2	Must use
IT104	212	Unit Price Price per unit of product, service, commodity, etc. Note: Maximum of four decimal places	X	R	1/17	Must use
IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID Code Name BP Buyer's Part Number	X	ID	2/2	Must use
IT107	234	Product/Service ID Identifying number for a product or service Note: MUVIQ Part Number	X	AN	1/18	Must use
IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID Code Name PO Purchase Order Number	X	ID	2/2	Must use
IT109	234	Product/Service ID Identifying number for a product or service	X	AN	1/9	Must use

Segment:	REF Reference Identification (Packing List Number)
Level:	Detail
Loop:	IT1
Usage:	Mandatory
Max Use:	1
Purpose:	To specify identifying information
Syntax:	R0203 - At least one of REF02 or REF03 is required.
Example:	REF*PK*00173916

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M	ID	2/2	Must use
		Code Name PK Packing List Number				
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/15	Must use

Note:
This Reference number is used to verify the receipt and must exactly match the value of the REF02 (REF01 = "PK") on the 856 ASN transaction.

Constrains regarding this reference number:
 1) No leading spaces
 2) If using alpha characters, please use UPPER CASE

Segment:	SAC Service, Promotion, Allowance, or Charge Information
Level:	Detail
Loop:	IT1/SAC
Usage:	Conditional
Max Use:	1
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service
Syntax:	R0203 - At least one of SAC02 or SAC03 is required
Semantic:	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.
Example:	SAC*C*F150***15000

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																
SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified	M	ID	1/1	Used																
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>A</td> <td>Allowance</td> </tr> <tr> <td>C</td> <td>Charge</td> </tr> </table>	<u>Code</u>	<u>Name</u>	A	Allowance	C	Charge														
<u>Code</u>	<u>Name</u>																					
A	Allowance																					
C	Charge																					
SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge	X	ID	4/4	Used																
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>E620</td> <td>Metal Surcharges</td> </tr> <tr> <td>H550</td> <td>Fuel/Natural Gas Surcharge</td> </tr> <tr> <td>D230</td> <td>Freight Surcharge</td> </tr> <tr> <td>E820</td> <td>Expendable Containers</td> </tr> <tr> <td>B220</td> <td>Aluminum</td> </tr> <tr> <td>C080</td> <td>Plastic Surcharge</td> </tr> <tr> <td>F150</td> <td>Packaging Service</td> </tr> </table>	<u>Code</u>	<u>Name</u>	E620	Metal Surcharges	H550	Fuel/Natural Gas Surcharge	D230	Freight Surcharge	E820	Expendable Containers	B220	Aluminum	C080	Plastic Surcharge	F150	Packaging Service				
<u>Code</u>	<u>Name</u>																					
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C080	Plastic Surcharge																					
F150	Packaging Service																					
SAC05	610	Amount Monetary amount	O	N2	1/15	Used																
		<p>Note: 2 implied decimal places A change amount of \$150.00 would be sent as 15000</p>																				



Segment:	TDS Total Monetary Value
Level:	Summary
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To specify the total invoice discounts and amounts
Semantic:	TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
Example:	TDS*1611429

Data Element Summary

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

Monetary amount

Note:
Total Invoice Amount - two implied decimal places. Includes any additional item charges. An invoice amount of \$16114.29 is sent as 1611429

Segment:	CTT Transaction totals
Level:	Summary
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	This segment is intended to provide hash totals to validate transaction completeness and correctness.
Example:	CTT*3

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items Total number of line items in the transaction set	M	N0	1/6	Must use

Segment:	SE Transaction Set Trailer
Level:	Summary
Loop:	---
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)
Comment:	SE is the last segment of each transaction set.
Example:	SE*24*810001

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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	Must use

Segment:	GE Functional Group Trailer
Level:	Summary
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of a functional group and to provide control information
Set Notes:	The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06
Example:	GE*1*180000001

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use
GE02	28	Group Control Number Assigned number originated and maintained by the sender	M	N0	1/9	Must use

Segment:	IEA Interchange Control Trailer
Level:	Summary
Loop:	---
Usage:	Mandatory
Max Use:	1
Purpose:	To define the end of an interchange of zero or more functional groups and interchange-related control segments
Example:	IEA*1*180000001

Data Element Summary

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number A control number assigned by the interchange sender	M	N0	9/9	Must use