

# 810 Invoice



**Dayco Products, 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"><li>1. DTM01 – date qualifier corrected (17 to 017) for the delivery date.</li><li>2. Refreshed the example 810 and example segments.</li><li>3. Removed “Dayco N.A. Helpdesk” from contacts.</li></ol>
2018002	05/23/18	Evan Meyer	Changes resulting from ERP Migration to CMS: <ol style="list-style-type: none"><li>1. Updated “EDI Processing Compliance” and “Business Processing - Data Content” sections.</li><li>2. REF02 Packing List number max size increased from 12 to 15 characters.</li></ol>
2018003	06/19/18	Evan Meyer	Changes resulting from ERP Migration to CMS: <ol style="list-style-type: none"><li>1. BIG04 min/max size changed from 12/12 to 1/9.</li><li>2. N104 min/max size changed from 3/5 to 3/6.</li><li>3. IT109 min/max size changed from 1/48 to 1/9.</li></ol>



## 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 acknowledgement (997) will be returned letting the supplier know that
  - 1) Their document was received by Dayco.
  - 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 Dayco’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, Dayco 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 Dayco Buyer or Commodity Manager.

- ❖ If you are currently transmitting ASN's to Dayco, 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 *Dayco Products 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:**

Dayco EDI Support Team – [edisupport@dayco.com](mailto:edisupport@dayco.com)

**Business Relations:**

Contact your plant or Dayco Buyer

# 810

## Invoice

### Functional Group=IN

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.

#### Headers:

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

#### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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

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

#### Detail:

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

#### Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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*XXXXXXXXXX *01*150148617 *180209*0940*U*00401*180000001*0*P*>~
GS*IN*XXXXXXXXXX*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*DAYCO 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:	<b>ISA</b> Interchange Control Header
Level:	<b>Header</b>
Loop:	---
Usage:	<b>Mandatory</b>
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*180000001*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	<b>Authorization Information Qualifier</b> Code to identify the type of information in the Authorization Information <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA02	102	<b>Authorization Information</b> 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 (101)	M	AN	10/10	Must use
ISA03	103	<b>Security Information Qualifier</b> Code to identify the type of information in the Security Information <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA04	104	<b>Security Information</b> 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 (103)	M	AN	10/10	Must use
ISA05	105	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA06	106	<b>Interchange Sender ID</b> 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	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified  <b>Code Name</b> 01 Duns (Dun & Bradstreet)	M	ID	2/2	Must use
ISA08	107	<b>Interchange Receiver ID</b> 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  <b>Note:</b> Dayco ISA08 Production ID: "150148617" Dayco ISA08 Test ID: "150148617T"	M	AN	15/15	Must use
ISA09	108	<b>Interchange Date</b> Date of the interchange	M	DT	6/6	Must use





ISA10	I09	<b>Interchange Time</b> Time of the interchange	M	TM	4/4	Must use
ISA11	I10	<b>Interchange Control Standards Identifier</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer	M	ID	1/1	Must use
		<b>All valid standard codes are used.</b>				
ISA12	I11	<b>Interchange Control Version Number</b> Code specifying the version number of the interchange control segments	M	ID	5/5	Must use
		<b>Code</b> <b>Name</b>				
		00401      Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	<b>Interchange Control Number</b> A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	<b>Acknowledgment Requested</b> Code sent by the sender to request an interchange acknowledgment (TA1)	M	ID	1/1	Must use
		<b>Code</b> <b>Name</b>				
		0      No Acknowledgment Requested				
ISA15	I14	<b>Usage Indicator</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information	M	ID	1/1	Must use
		<b>All valid standard codes are used.</b>				
ISA16	I15	<b>Component Element Separator</b> 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:	<b>GS</b> Functional Group Header
Level:	<b>Header</b>
Loop:	---
Usage:	<b>Mandatory</b>
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	<b>Functional Identifier Code</b> Code identifying a group of application related transaction sets	M	ID	2/2	Must use
		<b>Code Name</b>				
		IN Invoice Information (810)				
GS02	142	<b>Application Sender's Code</b> Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	<b>Application Receiver's Code</b> Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use
		<b>Note:</b> Dayco GS03 Production ID: "150148617" Dayco GS03 Test ID: "150148617"				
GS04	373	<b>Date</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	<b>Time</b> 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	<b>Group Control Number</b> Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	<b>Responsible Agency Code</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 <b>All valid standard codes are used.</b>	M	ID	1/2	Must use
GS08	480	<b>Version / Release / Industry Identifier Code</b> 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
		<b>Code Name</b>				
		004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				

Segment:	<b>ST</b> Transaction Set Header
Level:	<b>Header</b>
Loop:	---
Usage:	<b>Mandatory</b>
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*8100001

### 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	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set	M	ID	3/3	Must use
		<u>Code</u> <u>Name</u> 810          Invoice				
ST02	329	<b>Transaction Set Control Number</b> 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:	<b>BIG</b> Beginning Segment for Invoice
Level:	<b>Header</b>
Loop:	---
Usage:	<b>Mandatory</b>
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	<b>Date</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
BIG02	76	<b>Invoice Number</b> Identifying number assigned by issuer	M	AN	1/20	Must use
Note: 1) A maximum of 20 2) No leading spaces or special characters 3) If using alpha characters, please use UPPER CASE						
BIG03	373	<b>Date</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
BIG04	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser	O	AN	1/9	Optional
BIG08	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set.	O	AN	2/2	Must use
		<b>Code</b>		<b>Name</b>		
		00		Original		
		12		Test		



Segment:	<b>CUR</b> Currency
Level:	<b>Header</b>
Loop:	---
Usage:	<b>Mandatory</b>
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	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> BY      Buying Party (Purchaser)				
CUR02	100	<b>Currency Code</b> Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Must use

Note:  
*This is a three-position alpha code from the ISO-4217 code list.*

*The primary codes used in North America are:*  
 CAD Canadian Dollars  
 USD United States Dollars



Segment:	<b>N1</b> Name
Level:	<b>Header</b>
Loop:	N1 <b>REPEAT:</b> 200
Usage:	<b>Mandatory</b>
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*DAYCO PRODUCTS - SPRINGDALE*92*112

### 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>						
N101	98	<b>Entity Identifier Code</b> 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	<b>Name</b> Free-form name	X	AN	1/60	Must use						
N103	66	<b>Identification Code Qualifier</b> 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	<b>Identification Code</b> Code identifying a party or other code	X	AN	3/6	Must use						
		Note: <i>Vendor Code – Assigned by Dayco Buyer Receiving Location – Assigned by Dayco Buyer</i>										



Segment:	<b>DTM</b> Date/time reference
Level:	<b>Header</b>
Loop:	---
Usage:	<b>Mandatory</b>
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	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	M	ID	3/3	Must use
		<b>Code</b> 017				
		<b>Name</b> Estimated Delivery				
DTM02	373	<b>Date</b> Date expressed as CCYYMMDD	X	DT	8/8	Must use



Segment:	<b>IT1</b> Baseline Item Data
Level:	<b>Detail</b>
Loop:	IT1 <b>REPEAT:</b> 100000
Usage:	<b>Mandatory</b>
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	<b>Quantity Invoiced</b> Number of units invoiced (supplier units)  Note: <i>Dayco does not accept decimal quantities. Please round to nearest whole number.</i>	X	R	1/10	Must use
IT103	355	<b>Unit or Basis for Measurement Code</b> 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	<b>Unit Price</b> Price per unit of product, service, commodity, etc.  Note: <i>Maximum of four decimal places</i>	X	R	1/17	Must use
IT106	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID  <u>Code</u> <u>Name</u> BP          Buyer's Part Number	X	ID	2/2	Must use
IT107	234	<b>Product/Service ID</b> Identifying number for a product or service  Note: <i>Dayco Part Number</i>	X	AN	1/18	Must use
IT108	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID  <u>Code</u> <u>Name</u> PO          Purchase Order Number	X	ID	2/2	Must use
IT109	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN	1/9	Must use





Segment:	<b>REF Reference Identification (Packing List Number)</b>
Level:	<b>Detail</b>
Loop:	IT1
Usage:	<b>Mandatory</b>
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	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M	ID	2/2	Must use
		<b>Code</b> <b>Name</b> PK          Packing List Number				
REF02	127	<b>Reference Identification</b> 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:	<b>SAC</b> Service, Promotion, Allowance, or Charge Information
Level:	<b>Detail</b>
Loop:	IT1/SAC
Usage:	<b>Conditional</b>
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	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified	M	ID	1/1	Used																
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Allowance</td> </tr> <tr> <td>C</td> <td>Charge</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	A	Allowance	C	Charge														
<u>Code</u>	<u>Name</u>																					
A	Allowance																					
C	Charge																					
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b> Code identifying the service, promotion, allowance, or charge	X	ID	4/4	Used																
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <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> </tbody> </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				
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SAC05	610	<b>Amount</b> Monetary amount	O	N2	1/15	Used																
		<b>Note:</b> 2 implied decimal places A charge amount of \$150.00 would be sent as 15000																				



Segment:	<b>TDS</b> Total Monetary Value
Level:	<b>Summary</b>
Loop:	---
Usage:	<b>Mandatory</b>
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	<b>Amount</b>	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:	<b>CTT</b> Transaction totals
Level:	<b>Summary</b>
Loop:	---
Usage:	<b>Mandatory</b>
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	<b>Number of Line Items</b> Total number of line items in the transaction set	M	N0	1/6	Must use



Segment:	<b>SE</b> Transaction Set Trailer
Level:	<b>Summary</b>
Loop:	---
Usage:	<b>Mandatory</b>
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	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> 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:	<b>GE</b> Functional Group Trailer
Level:	<b>Summary</b>
Loop:	---
Usage:	<b>Mandatory</b>
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*18000001

### 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	<b>Number of Transaction Sets Included</b> 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	<b>Group Control Number</b> Assigned number originated and maintained by the sender	M	N0	1/9	Must use



Segment:	<b>IEA</b> Interchange Control Trailer
Level:	<b>Summary</b>
Loop:	---
Usage:	<b>Mandatory</b>
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*18000001

### 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	<b>Number of Included Functional Groups</b> A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	<b>Interchange Control Number</b> A control number assigned by the interchange sender	M	N0	9/9	Must use