

# **810 Invoice**

**Version: 1.0 Final**

<b>Company:</b>	<b>Oshkosh Corporation</b>
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<b>Notes:</b>	<b>Currently available for ONLY JLG and McNeilus</b>

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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:

<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>
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
040	CUR	Currency	O	1			Used
<b>LOOP ID - N1</b>					<b>200</b>		
070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used

## 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>
<b>LOOP ID - IT1</b>					<b>200000</b>		
010	IT1	Baseline Item Data (Invoice)	O	1			Used
040	TXI	Tax Information	O	10			Used
<b>LOOP ID - PID</b>					<b>1000</b>		
060	PID	Product/Item Description	O	1			Used
150	DTM	Date/Time Reference	O	10			Used
160	CAD	Carrier Detail	O	>1			Used
<b>LOOP ID - SAC</b>					<b>25</b>		
180	SAC	Service, Promotion, Allowance, or Charge Information	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>
010	TDS	Total Monetary Value Summary	M	1			Must use
<b>LOOP ID - SAC</b>					<b>25</b>		
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
070	CTT	Transaction Totals	O	1		N3/070	Used
080	SE	Transaction Set Trailer	M	1			Must use

## 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.

# 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:

<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	M	ID	3/3	Must use

**Description:** Code uniquely identifying a Transaction Set

**CodeList Summary** (Total Codes: 298, Included: 1)

Code Name

810 Invoice

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

# BIG Beginning Segment for Invoice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

## 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>	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD				
BIG02	76	<b>Invoice Number</b>	M	AN	1/22	Must use
		<b>Description:</b> Identifying number assigned by issuer				
BIG03	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
BIG04	324	<b>Purchase Order Number</b>	O	AN	1/22	Used
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser				

# CUR Currency

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

**User Option (Usage):** Used

**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction

## 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>	M	ID	2/3	Must use
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual				
		<b>All valid standard codes are used. (Total Codes: 1312)</b>				
CUR02	100	<b>Currency Code</b>	M	ID	3/3	Must use
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				

# N1 Name

<b>Pos: 070</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

**Purpose:** To identify a party by type of organization, name, and code

## 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	Entity Identifier Code	M	ID	2/3	Must use

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

**User Note 1:** Fill from N101 element of 856.

**CodeList Summary** (Total Codes: 1312, Included: 3)

Code Name

RI Remit To  
 SF Ship From  
 ST Ship To

N102	93	Name	X	AN	1/60	Used
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**Description:** Free-form name

**User Note 1:** Fill from N102 element from 856.

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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**Description:** Code designating the system/method of code structure used for Identification Code (67)

**User Note 1:** Fill from N103 element from 856.

**CodeList Summary** (Total Codes: 215, Included: 1)

Code Name

92 Assigned by Buyer or Buyer's Agent

N104	67	Identification Code	X	AN	2/80	Used
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**Description:** Code identifying a party or other code

**User Note 1:** Fill from N104 element of 856.

## User Note 1:

One N1\*SF and N1\*ST are required

# N3 Address Information

Pos: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify the location of the named party

## 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>
N301	166	<b>Address Information</b>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## 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>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
N405	309	<b>Location Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code identifying type of location				
		<b>All valid standard codes are used. (Total Codes: 172)</b>				
N406	310	<b>Location Identifier</b>	O	AN	1/30	Used
		<b>Description:</b> Code which identifies a specific location				

# ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify terms of sale

## 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>
ITD03	338	Terms Discount Percent	O	R	1/6	Used

**Description:** Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

# IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Optional	
Loop: IT1	Elements: 11

**User Option (Usage):** Used

**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	Used

**Description:** Alphanumeric characters assigned for differentiation within a transaction set

**User Note 1:** Fill from LIN01 element of 856.

IT102	358	Quantity Invoiced	X	R	1/10	Used
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**Description:** Number of units invoiced (supplier units)

**User Note 1:** Fill from SN102 element of 856.

IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**User Note 1:** Fill from SN103 element of 856.

**All valid standard codes are used. (Total Codes: 794)**

IT104	212	Unit Price	X	R	1/17	Used
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**Description:** Price per unit of product, service, commodity, etc.

IT105	639	Basis of Unit Price Code	O	ID	2/2	Not used
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**Description:** Code identifying the type of unit price for an item

**All valid standard codes are used. (Total Codes: 91)**

IT106	235	Product/Service ID Qualifier	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**User Note 1:** Fill from LIN02 element of 856.

**CodeList Summary** (Total Codes: 477, Included: 1)

**Code Name**

BP Buyer's Part Number

IT107	234	Product/Service ID	X	AN	1/48	Used
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**Description:** Identifying number for a product or service

**User Note 1:** Fill from LIN03 element of 856.

IT108	235	Product/Service ID Qualifier	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**CodeList Summary** (Total Codes: 477, Included: 1)

**Code Name**

PO Purchase Order Number

IT109	234	<b>Product/Service ID</b>	X	AN	1/48	Used
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**Description:** Identifying number for a product or service

**User Note 1:** *Fill from PRF01 (Blanket PO Number) element of 856.*

IT110	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**CodeList Summary** (Total Codes: 477, Included: 1)

**Code Name**

RN Release Number

IT111	234	<b>Product/Service ID</b>	X	AN	1/48	Used
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**Description:** Identifying number for a product or service

**User Note 1:** *Fill from SN101 (Shipment Number) of EDI 856 for JLG or PRF02 (Release Number) element of 856 for all other business units*

# TXI Tax Information

Pos: 040	Max: 10
Detail - Optional	
Loop: IT1	Elements: 10

**User Option (Usage):** Used

**Purpose:** To specify tax information

## 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>
TXI01	963	<b>Tax Type Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code specifying the type of tax <b>All valid standard codes are used. (Total Codes: 74)</b>				
TXI02	782	<b>Monetary Amount</b>	X	R	1/18	Used
		<b>Description:</b> Monetary amount				
TXI03	954	<b>Percent</b>	X	R	1/10	Used
		<b>Description:</b> Percentage expressed as a decimal				
TXI04	955	<b>Tax Jurisdiction Code Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the source of the data used in tax jurisdiction code <b>All valid standard codes are used. (Total Codes: 3)</b>				
TXI05	956	<b>Tax Jurisdiction Code</b>	X	AN	1/10	Used
		<b>Description:</b> Code identifying the taxing jurisdiction				
TXI06	441	<b>Tax Exempt Code</b>	X	ID	1/1	Used
		<b>Description:</b> Code identifying exemption status from sales and use tax <b>All valid standard codes are used. (Total Codes: 34)</b>				
TXI07	662	<b>Relationship Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating the relationship between entities <b>All valid standard codes are used. (Total Codes: 5)</b>				
TXI08	828	<b>Dollar Basis For Percent</b>	O	R	1/9	Used
		<b>Description:</b> Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	<b>Tax Identification Number</b>	O	AN	1/20	Used
		<b>Description:</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				
TXI10	350	<b>Assigned Identification</b>	O	AN	1/20	Used
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				

# PID Product/Item Description

Pos: 060	Max: 1
Detail - Optional	
Loop: PID	Elements: 5

**User Option (Usage):** Used

**Purpose:** To describe a product or process in coded or free-form format

## 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>
PID01	349	Item Description Type	M	ID	1/1	Must use

**Description:** Code indicating the format of a description

**CodeList Summary** (Total Codes: 3, Included: 1)

**Code Name**

F Free-form

PID02	750	Product/Process Characteristic Code	O	ID	2/3	Not used
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**Description:** Code identifying the general class of a product or process characteristic

**All valid standard codes are used. (Total Codes: 217)**

PID03	559	Agency Qualifier Code	X	ID	2/2	Not used
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**Description:** Code identifying the agency assigning the code values

**All valid standard codes are used. (Total Codes: 176)**

PID04	751	Product Description Code	X	AN	1/12	Not used
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**Description:** A code from an industry code list which provides specific data about a product characteristic

PID05	352	Description	X	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content

# DTM Date/Time Reference

Pos: 150	Max: 10
Detail - Optional	
Loop: IT1	Elements: 6

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

## 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>	M	ID	3/3	Must use
		<b>Description:</b> Code specifying type of date or time, or both date and time <b>All valid standard codes are used. (Total Codes: 1112)</b>				
DTM02	373	<b>Date</b>	X	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
DTM03	337	<b>Time</b>	X	TM	4/8	Used
		<b>Description:</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)				
DTM04	623	<b>Time Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow <b>All valid standard codes are used. (Total Codes: 51)</b>				
DTM05	1250	<b>Date Time Period Format Qualifier</b>	X	ID	2/3	Used
		<b>Description:</b> Code indicating the date format, time format, or date and time format <b>All valid standard codes are used. (Total Codes: 39)</b>				
DTM06	1251	<b>Date Time Period</b>	X	AN	1/35	Used
		<b>Description:</b> Expression of a date, a time, or range of dates, times or dates and times				

# CAD Carrier Detail

Pos: 160	Max: >1
Detail - Optional	
Loop: IT1	Elements: 8

**User Option (Usage):** Used

**Purpose:** To specify transportation details for the transaction

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD01	91	Transportation Method/Type Code	O	ID	1/2	Used

**Description:** Code specifying the method or type of transportation for the shipment

**User Note 1:** Fill from TD503 element of 856.

**All valid standard codes are used. (Total Codes: 71)**

CAD02	206	Equipment Initial	O	AN	1/4	Not used
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**Description:** Prefix or alphabetic part of an equipment unit's identifying number

CAD03	207	Equipment Number	O	AN	1/10	Not used
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**Description:** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

CAD04	140	Standard Carrier Alpha Code	X	ID	2/4	Used
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**Description:** Standard Carrier Alpha Code

**User Note 1:** Fill from TD503 element of 856.

CAD05	387	Routing	X	AN	1/35	Not used
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**Description:** Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

CAD06	368	Shipment/Order Status Code	O	ID	2/2	Not used
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**Description:** Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

**All valid standard codes are used. (Total Codes: 102)**

CAD07	128	Reference Identification Qualifier	O	ID	2/3	Used
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**Description:** Code qualifying the Reference Identification

**User Note 1:** Fill from REF01 detail element of 856 for code BM only.

**All valid standard codes are used. (Total Codes: 1503)**

CAD08	127	Reference Identification	X	AN	1/30	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**User Note 1:** Fill from REF02 detail element of 856 for code BM.

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 180	Max: 1
Detail - Optional	
Loop: SAC	Elements: 16

**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:

<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>	M	ID	1/1	Must use
		<b>Description:</b> Code which indicates an allowance or charge for the service specified <b>All valid standard codes are used. (Total Codes: 7)</b>				
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Used
		<b>Description:</b> Code identifying the service, promotion, allowance, or charge <b>All valid standard codes are used. (Total Codes: 1053)</b>				
SAC03	559	<b>Agency Qualifier Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the agency assigning the code values <b>All valid standard codes are used. (Total Codes: 176)</b>				
SAC04	1301	<b>Agency Service, Promotion, Allowance, or Charge Code</b>	X	AN	1/10	Used
		<b>Description:</b> Agency maintained code identifying the service, promotion, allowance, or charge				
SAC05	610	<b>Amount</b>	O	N2	1/15	Used
		<b>Description:</b> Monetary amount				
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated <b>All valid standard codes are used. (Total Codes: 11)</b>				
SAC07	332	<b>Percent</b>	X	R	1/6	Used
		<b>Description:</b> Percent expressed as a percent				
SAC08	118	<b>Rate</b>	O	R	1/9	Used
		<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified				
SAC09	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
SAC10	380	<b>Quantity</b>	X	R	1/15	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Numeric value of quantity				
SAC11	380	<b>Quantity</b>	O	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code indicating method of handling for an allowance or charge <b>All valid standard codes are used. (Total Codes: 22)</b>				
SAC13	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SAC14	770	<b>Option Number</b>	O	AN	1/20	Used
		<b>Description:</b> A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
SAC16	819	<b>Language Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				

# TDS Total Monetary Value Summary

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To specify the total invoice discounts and amounts

## 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
		<b>Description:</b> Monetary amount				
TDS02	610	Amount	O	N2	1/15	Used
		<b>Description:</b> Monetary amount				
TDS03	610	Amount	O	N2	1/15	Used
		<b>Description:</b> Monetary amount				
TDS04	610	Amount	O	N2	1/15	Used
		<b>Description:</b> Monetary amount				

# 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:

<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>	M	ID	1/1	Must use
<p><b>Description:</b> Code which indicates an allowance or charge for the service specified  <b>All valid standard codes are used. (Total Codes: 7)</b></p>						
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Used
<p><b>Description:</b> Code identifying the service, promotion, allowance, or charge  <b>All valid standard codes are used. (Total Codes: 1053)</b></p>						
SAC05	610	<b>Amount</b>	O	N2	1/15	Used
<p><b>Description:</b> Monetary amount</p>						
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Used
<p><b>Description:</b> Code indicating method of handling for an allowance or charge  <b>All valid standard codes are used. (Total Codes: 22)</b></p>						

# CTT Transaction Totals

Pos: 070	Max: 1
Summary - Optional	
Loop: N/A	Elements: 7

**User Option (Usage):** Used

**Purpose:** To transmit a hash total for a specific element in the transaction set

## 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>	M	N0	1/6	Must use
		<b>Description:</b> Total number of line items in the transaction set				
CTT02	347	<b>Hash Total</b>	O	R	1/10	Used
		<b>Description:</b> Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.				
CTT03	81	<b>Weight</b>	X	R	1/10	Used
		<b>Description:</b> Numeric value of weight				
CTT04	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
CTT05	183	<b>Volume</b>	X	R	1/8	Used
		<b>Description:</b> Value of volumetric measure				
CTT06	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
CTT07	352	<b>Description</b>	O	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				

# 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:

<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>	M	N0	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				