



# **KEHE Distributors**

## **Invoice EDI 810 Version 5010**

**X12/V5010/810 : 810 Invoice**

<b>Company:</b>	<b>Kehe Distributos</b>
<b>Revised:</b>	<b>06/16/2020</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.

**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.

**Not Defined:**

<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>
	ISA	Interchange Control Header	M	1			Must use
	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
0300	NTE	Note/Special Instruction	O	1	<u>100</u>		Used
0500	REF	Reference Identification	O	12			Used
<b>LOOP ID - N1</b>					<u>200</u>		
0700	N1	Party Identification	O	1			Must use
0900	N3	Party Location	O	2			Must use
1000	N4	Geographic Location	O	1			Must use
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Must use
1400	DTM	Date/Time Reference	O	10			Must use
1500	FOB	F.O.B. Related Instructions	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>					<u>200000</u>		
0100	IT1	Baseline Item Data (Invoice)	O	1			Must use
0300	IT3	Additional Item Data	O	5			Used
0500	CTP	Pricing Information	O	25			Used
<b>LOOP ID - PID</b>					<u>1000</u>		
0600	PID	Product/Item Description	O	1			Must use
1000	P04	Item Physical Details	O	1			Used
<b>LOOP ID - SAC</b>					<u>&gt;1</u>		
1800	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>
0100	TDS	Total Monetary Value Summary	M	1			Must use
0300	CAD	Carrier Details	O	1			Used
<b>LOOP ID - SAC</b>					<u>&gt;1</u>		
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

<u>LOOP ID - ISS</u>		<u>≥1</u>				
0600	ISS	Invoice Shipment Summary	O	1		Must use
0700	CTT	Transaction Totals	O	1	N3/070	Must use
0800	SE	Transaction Set Trailer	M	1		Must use

**Not Defined:**

<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>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

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# ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

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

**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control 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>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use
<b>Description:</b> Code to identify the type of information in the Authorization Information						
<b>Code List Summary</b> (Total Codes: 7, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		00		No Authorization Information Present (No Meaningful Information in I02)		
ISA02	I02	Authorization Information	M	AN	10/10	Must use
<b>Description:</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 (I01)						
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
<b>Description:</b> Code to identify the type of information in the Security Information						
<b>Code List Summary</b> (Total Codes: 2, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		00		No Security Information Present (No Meaningful Information in I04)		
ISA04	I04	Security Information	M	AN	10/10	Must use
<b>Description:</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 (I03)						
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
<b>Description:</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. (Total Codes: 41)</b>						
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
<b>Description:</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						
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
<b>Description:</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. (Total Codes: 38)</b>						
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
<b>Description:</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						
ISA09	I08	Interchange Date	M	DT	6/6	Must use
<b>Description:</b> Date of the interchange						
ISA10	I09	Interchange Time	M	TM	4/4	Must use
<b>Description:</b> Time of the interchange						

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ISA11	I65	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use						
<b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>All valid standard codes are used. (Total Codes: 11)</b>												
<table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td> </td><td>Repetition Separator</td></tr></table>							<u>Code</u>	<u>Name</u>		Repetition Separator		
<u>Code</u>	<u>Name</u>											
	Repetition Separator											
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use						
<b>Description:</b> Code specifying the version number of the interchange control segments												
<b>Code List Summary</b> (Total Codes: 14, Included: 1)												
<table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>00501</td><td>Standard Issued as ANSI X12.5-2004</td></tr></table>							<u>Code</u>	<u>Name</u>	00501	Standard Issued as ANSI X12.5-2004		
<u>Code</u>	<u>Name</u>											
00501	Standard Issued as ANSI X12.5-2004											
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use						
<b>Description:</b> A control number assigned by the interchange sender												
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use						
<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)												
<b>Code List Summary</b> (Total Codes: 3, Included: 1)												
<table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>0</td><td>No Acknowledgment Requested</td></tr></table>							<u>Code</u>	<u>Name</u>	0	No Acknowledgment Requested		
<u>Code</u>	<u>Name</u>											
0	No Acknowledgment Requested											
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use						
<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information												
<b>Code List Summary</b> (Total Codes: 3, Included: 2)												
<table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>P</td><td>Production Data</td></tr><tr><td>T</td><td>Test Data</td></tr></table>							<u>Code</u>	<u>Name</u>	P	Production Data	T	Test Data
<u>Code</u>	<u>Name</u>											
P	Production Data											
T	Test Data											
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use						
<b>Description:</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												

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**GS****Functional Group Header**

<b>Pos:</b>	<b>Max: 1</b>
<b>Not Defined - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 8</b>

**User Option (Usage):** Must use**Purpose:** To indicate the beginning of a functional group and to provide control 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>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying a group of application related transaction sets						
<b>Code List Summary</b> (Total Codes: 260, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		IN		Invoice Information (810,819)		
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
<b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners						
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
<b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
GS05	337	<b>Time</b>	M	TM	4/8	Must use
<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)						
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use
<b>Description:</b> Assigned number originated and maintained by the sender						
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
<b>Description:</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. (Total Codes: 2)</b>						
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
<b>Description:</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed						
<b>Code List Summary</b> (Total Codes: 52, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		005010		Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 2008		

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# ST Transaction Set Header

Pos: 0100	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

**Code List Summary** (Total Codes: 318, Included: 1)

<u>Code</u>	<u>Name</u>
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

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# BIG Beginning Segment for Invoice

Pos: 0200	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	Must use
		<b>Description:</b> Date expressed as CCYYMMDD				
BIG04	324	<b>Purchase Order Number</b>	O	AN	1/22	Must use
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser				

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# NTE Note/Special Instruction

Pos: 0300	Max: 100
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Optional

**Purpose:** To specify Special Instructions

## 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>
NTE01	363	Note Reference Code	O	ID	3/3	

**Description:** Note Reference Code

**Code List Summary** (Total Codes: 348, Included: 1)

<u>Code</u>	<u>Name</u>
INV	Invoice Instruction

NTE02	352	Description	X	AN	1/80	Used
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**Description:** Note/Special Instructions pertaining to the current document

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# REF Reference Identification

Pos: 0500	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Optional

**Purpose:** To specify identifying 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>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Used

**Description:** Code qualifying the Reference Identification

**Code List Summary** (Total Codes: 1731, Included: 1)

<u>Code</u>	<u>Name</u>
BM	Bill of Lading Number

REF02	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

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**N1****Party Identification**

<b>Pos: 0700</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Must use**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	<b>Entity Identifier Code</b>	M	ID	2/3	Must use

**Description:** Code identifying an organizational entity, a physical location, property or an individual**Code List Summary** (Total Codes: 1500, Included: 2)

<u>Code</u>	<u>Name</u>
RI	Remit To – <b>Required on each Invoice</b>
ST	Ship To – <b>Required on each Invoice Identifying KeHE Distribution Center or Dropship Location</b>
BT	Bill To – <b>Required on each Invoice</b>
BY	Buying Party (Purchaser) <b>Required when Purchase Order Type = DS (BEG02)</b>
<b>optional codes also accepted:</b>	
PE	Payee
SF	Ship From
VN	Vendor

N102	93	<b>Name</b>	X	AN	1/60	Must use
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**Description:** Free-form name

N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Must use
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**Description:** Code designating the system/method of code structure used for Identification Code (67)**Code List Summary** (Total Codes: 241, Included: 1)

<u>Code</u>	<u>Name</u>
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent
ZZ	Mutually Defined

N104	67	<b>Identification Code</b>	X	AN	2/80	Must use
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**Description:** Code identifying a party or other code**Code Identifying the KeHE DC must be included with N101 - ST****KEHE DC Duns + 4**

0569813430001 - Elkton, FL  
 0569813430012 - Aurora, CO  
 0569813430015 - Lehigh Valley, PA  
 0569813430016 - Bloomington, IN  
 0569813430018 - Romeoville, IL  
 0569813430118 - Glendale Heights, IL  
 0569813430022 - Dallas, TX  
 0569813430025 - Portland, OR  
 0569813430027 - North East, MD  
 0569813430031 - Ft. Lauderdale, FL  
 0569813430033 - Stockton, CA  
 0569813430037 - Chino 'B', CA  
 0569813430041 - Chino, CA  
 0569813430042 - Flower Mound, TX  
 0569813430055 - Douglasville, GA

**Note: When 850 BEG02=DS and N101=ST the N103 and N104 Required NOT to be sent****When 850 BEG02=DS and N101=BY the N103 and N104 is REQUIRED indicating the buying DC**[Table of Contents](#)

**N3****Address Information**

Pos: 0900	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

**User Option (Usage):** Must use**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	Address Information	M	AN	1/55	Must use

**Description:** Address information**Note:** N3 Required for each N1 Segment where N101 is RI, ST, BT, BY*Table of Contents*

**N4****Geographic Location**

Pos: 1000	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Must use**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	Must use
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	O	ID	2/2	Must use
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Must use
		<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				

**Note: N4 Required for each N1 Segment where N101 is RI, ST, BT, BY***Table of Contents*

# ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: >1
Heading - Optional	
Loop: N/A	Elements: 5

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

**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>
ITD01	336	Terms Type Code	O	ID	2/2	Must use
<b>Description:</b> Code identifying type of payment terms						
<b>Code List Summary</b> (Total Codes: 77, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		01		Basic		
ITD02	333	Terms Basis Date Code	O	ID	1/2	Must use
<b>Description:</b> Code identifying the beginning of the terms period						
<b>Code List Summary</b> (Total Codes: 17, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		2		Delivery Date		
ITD06	446	Terms Net Due Date	O	DT	8/8	Must use
<b>Description:</b> Date when total invoice amount becomes due expressed in format CCYYMMDD						
ITD07	386	Terms Net Days	O	N0	1/3	Must use
<b>Description:</b> Number of days until total invoice amount is due (discount not applicable)						
ITD12	352	Description	O	AN	1/80	Must use
<b>Description:</b> A free-form description to clarify the related data elements and their content						

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# DTM Date/Time Reference

Pos: 1400	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

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

**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	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: 1280, Included: 1)

<u>Code</u>	<u>Name</u>
011	Shipped

DTM02	373	Date	X	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD

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# FOB F.O.B. Related Instructions

Pos: 1500	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify transportation instructions relating to shipment

## 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>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Used

**Description:** Code identifying payment terms for transportation charges

**Code List Summary** (Total Codes: 31, Included: 1)

<u>Code</u>	<u>Name</u>
PP	Prepaid (by Seller)

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# IT1 Baseline Item Data (Invoice)

Pos: 0100	Max: 1
Detail - Optional	
Loop: IT1	Elements: 7

**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:

<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	X	R	1/10	Must use
		<b>Description:</b> Number of units invoiced (supplier units)				
IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Must use
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>Code List Summary</b> (Total Codes: 844, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		CA		Case		
IT104	212	Unit Price	X	R	1/17	Must use
		<b>Description:</b> Price per unit of product, service, commodity, etc.				
IT106	235	Product/Service ID Qualifier	X	ID	2/2	Must use
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code List Summary</b> (Total Codes: 519, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		UP		U.P.C. Consumer Package Code (1-5-5-1)		
IT107	234	Product/Service ID	X	AN	1/48	Must use
		<b>Description:</b> Identifying number for a product or service				
IT108	235	Product/Service ID Qualifier	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code List Summary</b> (Total Codes: 519, Included: 4)				
		UK		GTIN 14 Digit Data Structure		
		VN		Vendors stock keeping unit (if available)		
		IN		Kehe Item number – length – 8 digits with leading zeros (can be different by DC)		
		UA		U.P.C./EAN Case Code (2-5-5)		
IT109	234	Product/Service ID	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				

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# IT3 Additional Item Data

Pos: 0300	Max: 1
Detail - Optional	
Loop: IT1	Elements: 2

**User Option (Usage):** Use

**Purpose:** To specify additional item details relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities. **Mandatory when item is random weight.**

## 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>
IT301	382	Number of Units Shipped	X	R	1/10	Used

**Description:** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

IT302	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
-------	-----	------------------------------------	---	----	-----	------

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**Code List Summary** (Total Codes: 844, Included: 1)

<u>Code</u>	<u>Name</u>
CA	Cases
EA	Each
LB	Pounds

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# CTP Pricing Information

Pos: 0500	Max: 1
Detail - Optional	
Loop: IT1	Elements: 2

**User Option (Usage):** Use

**Purpose:** To specify additional item details relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities

## 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>
CTP02	236	Price Identifier Code	X	ID	3/3	Used

**Description:** Code identifying pricing specifications

### Code List Summary

<u>Code</u>	<u>Name</u>
ALT	Alternate Price
PRP	Promotional Price

CTP03	212	Unit Price	X	R	2/17	Used
-------	-----	------------	---	---	------	------

**Description:** Price per unit of product, service, commodity, etc.

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**PID****Product/Item Description**

<b>Pos: 0600</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: PID</b>	<b>Elements: 2</b>

**User Option (Usage):** Must use**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	<b>Item Description Type</b>	M	ID	1/1	Must use

**Description:** Code indicating the format of a description**Code List Summary** (Total Codes: 3, Included: 1)

<u>Code</u>	<u>Name</u>
F	Free-form

PID05	352	<b>Description</b>	X	AN	1/80	Must use
-------	-----	--------------------	---	----	------	----------

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

# P04 Item Physical Details

Pos: 1000	Max: 1
Detail - Optional	
Loop: IT1	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify the physical quantities, packaging, weights, and dimensions relating to the item

## 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>
PO401	356	Pack	O	N0	1/6	Used

**Description:** The number of inner containers, or number of eaches if there are no inner containers, per outer container

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# SAC Service, Promotion, Allowance, or Charge Information

Pos: 1800	Max: 1
Detail – Optional	
Loop: SAC	Elements: 5

**User Option (Usage):** Must use when discounts are applied to an Item

**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	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: 1)

<u>Code</u>	<u>Name</u>
A	Allowance

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Must use
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**Description:** Code identifying the service, promotion, allowance, or charge

**Code List Summary** (Total Codes: 1090, Included: 1)

<u>Code</u>	<u>Name</u>
C310	Discount
F800	Promotional Allowance

**Comment:** Codes to be used where C350 sent on the Purchase Order for item level discounts.

SAC05	610	Amount	O	N2	1/15	Must use
-------	-----	--------	---	----	------	----------

**Description:** Monetary amount

SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Must use
-------	-----	---	---	----	-----	----------

**Description:** Code indicating method of handling for an allowance or charge

**Code List Summary** (Total Codes: 22, Included: 1)

<u>Code</u>	<u>Name</u>
02	Off Invoice

SAC15	352	Description	X	AN	1/80	Must use
-------	-----	-------------	---	----	------	----------

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

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# TDS Total Monetary Value Summary

Pos: 0100	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> The total invoice amount (including charges, less allowances) before terms discount (if discount is applicable).				
TDS02	610	Amount	O	N2	1/15	Used
		<b>Description:</b> indicates the amount upon which the terms discount amount is calculated.				
TDS03	610	Amount	O	N2	1/15	Used
		<b>Description:</b> is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).				
TDS04	610	Amount	O	N2	1/15	Used
		<b>Description:</b> indicates the total amount of terms discount.				

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# CAD Carrier Details

Pos: 0300	Max: 1
Summary - Optional	
Loop: N/A	Elements: 5

**User Option (Usage):** Used

**Purpose:** To specify transportation details for the 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>
CAD01	91	Transportation Method/Type Code	O	ID	1/2	Used
		<b>Description:</b> Code Specifying the method or type of transportation for the shipment				
CAD02	206	Equipment Initial	O	AN	1/4	Used
		<b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number				
CAD03	207	Equipment Number	O	AN	1/10	Used
		<b>Description:</b> Sequencing or serial part of an equipment unit's identifying number				
CAD04	140	Standard Carrier Alpha Code	C	ID	2/4	Used
		<b>Description:</b> Standard Carrier Alpha Code				
CAD05	387	Routing	C	AN	1/35	Used
		<b>Description:</b> Free-form description of the routing or requested routing for shipment. Of the originating carrier's identity				

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# SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400 Max: >1  
Summary – Optional  
Loop: SAC Elements: 5

**User Option (Usage): Must use Allowance and/or charges are applied to an Invoice**

**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	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)

<u>Code</u>	<u>Name</u>
A	Allowance
C	Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Must use
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**Description:** Code identifying the service, promotion, allowance, or charge

**Code List Summary** (Total Codes: 1090, Included: 14)

<u>Code</u>	<u>Name</u>
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### Allowance Codes and Descriptions Accepted when SAC01=A

#### *Acceptable Codes to indicate Spoilage/Defective Allowances as sent on the Purchase Order*

C000	Defective Allowance
G860	Spoilage /Shrink Allowance
H560	Swell Allowance
I410	Unsaleable Merchandise Allowance

#### *Acceptable Codes to indicate any Freight/Pick up Allowances*

C290	Freight Allowance/ Discount – Service Option (Pickup)
D240	Freight

#### *Acceptable Codes to indicate The Marketing Allowances as sent on the Purchase Order.*

B720	Cooperative Advertising/Merchandising Allowance
C350	Distributor Discount/Marketing Allowance
F670	Price and Marketing Allowance

### Charge Codes and Descriptions Accepted when SAC01=C

#### *Acceptable Codes to Container/Bottle Deposit Charges.*

B570	Container Deposits
------	--------------------

#### *Acceptable Codes to Any Pallet Charges.*

F170	Pallet Charge
F180	Pallet
I020	Third Party Pallets

### Codes and Descriptions Accepted when SAC01=A or C

#### *Code to indicate any other Allowances or Charges not previously defined.*

H920	Miscellaneous (Charges or Allowances)
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SAC05	610	Amount	O	N2	1/15	Must use
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**Description:** Monetary amount

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SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Must use
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**Description:** Code indicating method of handling for an allowance or charge

**Code List Summary** (Total Codes: 22, Included: 1)

<u>Code</u>	<u>Name</u>
02	Off Invoice
06	Charge to be Paid by Customer

SAC15	352	<b>Description</b>	X	AN	1/80	Must use
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**Description:** A free-form description to clarify the related data elements and their content

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**ISS****Invoice Shipment Summary**

Pos: 0600	Max: 1
Summary - Optional	
Loop: ISS	Elements: 4

**User Option (Usage):** Must use**Purpose:** To specify summary details of total items shipped in terms of quantity, weight, and volume**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>
ISS01	382	<b>Number of Units Shipped</b>	X	R	1/10	Must use
<b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set						
ISS02	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Must use
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>Code List Summary</b> (Total Codes: 844, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		CA		Case		
ISS03	81	<b>Weight</b>	X	R	1/10	Must use
<b>Description:</b> Numeric value of weight						
ISS04	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Must use
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>Code List Summary</b> (Total Codes: 844, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		LB		Pound		

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# CTT Transaction Totals

Pos: 0700	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

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

**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	Number of Line Items	M	N0	1/6	Must use

**Description:** Total number of line items in the transaction set

CTT02	347	Hash Total	O	R	1/10	Must use
-------	-----	------------	---	---	------	----------

**Description:** 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.

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# SE Transaction Set Trailer

Pos: 0800	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	Number of Included Segments	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	Transaction Set Control Number	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						

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**GE****Functional Group Trailer**

<b>Pos:</b>	<b>Max: 1</b>
<b>Not Defined - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 2</b>

**User Option (Usage):** Must use**Purpose:** To indicate the end of a functional group and to provide control 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>
GE01	97	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use
<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use
<b>Description:</b> Assigned number originated and maintained by the sender						

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# IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

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

**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control 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>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must use
<b>Description:</b> A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
<b>Description:</b> A control number assigned by the interchange sender						

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## Sample Data:

ST\*810\*000000001~  
 BIG\*20181218\*I-000030892\*20181203\*3217431\*\*\*DR~  
 N1\*ST\*KEHE DISTRIBUTORS\*9\*0569813430018~  
 N3\*900 N SCHMIDT ROAD~  
 N4\*ROMEOVILLE\*IL\*60446~  
 N1\*BT\*KEHE DIST.-ROMEOVILLE\*9\*0569813430018~  
 N3\*PO Box 24830~  
 N4\*Jacksonville\*FL\*32241~  
 N1\*RI\*Remit to Company\*91\*999999999~  
 N3\*Remit to Address~  
 N4\*Remit to City\*ST\*Zip Code~  
 ITD\*01\*2\*\*\*\*\*20190110\*30\*\*\*\*\*Net 30 days~  
 DTM\*011\*20181219~  
 IT1\*1\*200\*CA\*14.52\*\*UP\*012345678905\*UK\*10012345678902~  
 PID\*F\*\*\*\*\*Item 1 Description~  
 IT1\*2\*25\*CA\*10.50\*\*UP\*012345678912\*UK\*10012345678919~  
 PID\*F\*\*\*\*\*Item 2 Description~  
 SAC\*A\*F800\*\*\*3900\*\*\*\*\*02\*\*\*Line Item Discount~  
 IT1\*3\*15\*CA\*19.56\*\*UP\*012345678929\*UK\*10012345678926~  
 PID\*F\*\*\*\*\*Item 3 Description~  
 SAC\*A\*F800\*\*\*4300\*\*\*\*\*02\*\*\*Line Item Discount~  
 .  
 .  
 IT1\*24\*30\*CA\*14.52\*PE\*UP\*012345678981\*UK\*10012345678988~  
 PID\*F\*\*\*\*\*Item 24 Description~  
 TDS\*1132717~  
 SAC\*A\*C290\*\*\*167135\*\*\*\*\*02\*\*\*Freight Allowance~  
 SAC\*A\*B720\*\*\*50172\*\*\*\*\*02\*\*\*Merchandising Allowance~  
 SAC\*A\*G860\*\*\*74086\*\*\*\*\*02\*\*\*Spoilage Allowance~  
 SAC\*C\*F170\*\*\*15300\*\*\*\*\*06\*\*\*Pallet Charge~  
 ISS\*562\*CA\*3372\*LB~  
 CTT\*24\*906~  
 SE\*83\*000000001~

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