



KEHE Distributors

Invoice EDI 810 Version 5010

X12/V5010/810 : 810 Invoice

Company: Kehe Distributos
Revised: 07/15/2021

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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	100		Used
0500	REF	Reference Identification	O	12			Used
LOOP ID - N1					200		
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>
LOOP ID - IT1					200000		
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
LOOP ID - PID					1000		
0600	PID	Product/Item Description	O	1			Must use
1000	P04	Item Physical Details	O	1			Used
LOOP ID - SAC					>1		
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
LOOP ID - SAC					>1		
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

LOOP ID - ISS						≥1	
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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	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

Description: Code to identify the type of information in the Authorization Information

Code List Summary (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
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Description: 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
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Description: Code to identify the type of information in the Security Information

Code List Summary (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
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Description: 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
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Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

All valid standard codes are used. (Total Codes: 41)

ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
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Description: 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
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Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

All valid standard codes are used. (Total Codes: 38)

ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
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Description: 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
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Description: Date of the interchange

ISA10	I09	Interchange Time	M	TM	4/4	Must use
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Description: Time of the interchange

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

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

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	Functional Identifier Code	M	ID	2/2	Must use
Description: Code identifying a group of application related transaction sets						
Code List Summary (Total Codes: 260, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		IN		Invoice Information (810,819)		
GS02	142	Application Sender's Code	M	AN	2/15	Must use
Description: Code identifying party sending transmission; codes agreed to by trading partners						
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
Description: Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
GS05	337	Time	M	TM	4/8	Must use
Description: 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	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
All valid standard codes are used. (Total Codes: 2)						
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
Description: 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						
Code List Summary (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
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	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
BIG02	76	Invoice Number	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer				
BIG03	373	Date	O	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
BIG04	324	Purchase Order Number	O	AN	1/22	Must use
		Description: 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

Pos: 0700	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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	Entity Identifier Code	M	ID	2/3	Must use

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

Code List Summary (Total Codes: 1500, Included: 2)

<u>Code</u>	<u>Name</u>
RI	Remit To – Required on each Invoice
ST	Ship To – Required on each Invoice Identifying KeHE Distribution Center or Dropship Location
BT	Bill To – Required on each Invoice
BY	Buying Party (Purchaser) Required when Purchase Order Type = DS (BEG02)

optional codes also accepted:

PE	Payee
SF	Ship From
VN	Vendor

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

N103	66	Identification Code Qualifier	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
92	Assigned by Buyer or Buyer's Agent
ZZ	Mutually Defined

N104	67	Identification Code	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

See KeHE Distributors DC addresses with associated EDI Identification Codes
for the complete list of KeHE ID codes and addresses used for the Bill To and Ship To

**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**

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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

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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	City Name	O	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Must use
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				

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

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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
Description: Code identifying type of payment terms						
Code List Summary (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
Description: Code identifying the beginning of the terms period						
Code List Summary (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
Description: Date when total invoice amount becomes due expressed in format CCYYMMDD						
ITD07	386	Terms Net Days	O	N0	1/3	Must use
Description: Number of days until total invoice amount is due (discount not applicable)						
ITD12	352	Description	O	AN	1/80	Must use
Description: 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
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
Description: Number of units invoiced (supplier units) (Random Weight item should be the Case Quantity Total LBs and LB Price use the IT3 and CTP)						
IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Must use
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
Code List Summary (Total Codes: 844, Included: 1)						
		<u>Code</u>	<u>Name</u>			
		CA	Case			
IT104	212	Unit Price	X	R	1/17	Must use
Description: Price per unit of product, service, commodity, etc. (Random Weight item should be the Standard Case Price (total LBs and LB Price use the IT3 and CTP)						
IT106	235	Product/Service ID Qualifier	X	ID	2/2	Must use
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code List Summary (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
Description: Identifying number for a product or service						
IT108	235	Product/Service ID Qualifier	X	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code List Summary (Total Codes: 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
Description: 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 for the total lbs for 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>
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
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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

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

<u>Code</u>	<u>Name</u>
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 **Mandatory when item is random weight for the Price per LB for 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>
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
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Description: Price per unit of product, service, commodity, etc.

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PID Product/Item Description

Pos: 0600	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

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	Item Description Type	M	ID	1/1	Must use

Description: Code indicating the format of a description

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

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

PID05	352	Description	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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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. **ONLY 1 Per Item is allowed.**

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
-------	------	---	---	----	-----	----------

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
		Description: The total invoice amount (including charges, less allowances) before terms discount (if discount is applicable).				
TDS02	610	Amount	O	N2	1/15	Used
		Description: indicates the amount upon which the terms discount amount is calculated.				
TDS03	610	Amount	O	N2	1/15	Used
		Description: 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
		Description: 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
		Description: Code Specifying the method or type of transportation for the shipment				
CAD02	206	Equipment Initial	O	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
CAD03	207	Equipment Number	O	AN	1/10	Used
		Description: Sequencing or serial part of an equipment unit's identifying number				
CAD04	140	Standard Carrier Alpha Code	C	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
CAD05	387	Routing	C	AN	1/35	Used
		Description: 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
-------	------	---	---	----	-----	----------

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

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

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

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 Connect BI Allowance 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
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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)
D240	Freight

SAC05	610	Amount	O	N2	1/15	Must use
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Description: Monetary amount

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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		
		06		Charge to be Paid by Customer		
SAC15	352	Description	X	AN	1/80	Must use
		Description: A free-form description to clarify the related data elements and their content				

Note: KeHE only Accepts 1 for each of the following categories:

- Spoilage/Defective Allowance
- Freight/Pick up Allowance
- The Connect BI Allowance
- Miscellaneous (One Charge and/or One Allowance)

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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	Number of Units Shipped	X	R	1/10	Must use
		Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set				
ISS02	355	Unit or Basis for Measurement Code	X	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code List Summary (Total Codes: 844, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		CA		Case		
ISS03	81	Weight	X	R	1/10	Must use
		Description: Numeric value of weight				
ISS04	355	Unit or Basis for Measurement Code	X	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code List Summary (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
		Description: 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
		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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GE Functional Group Trailer

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

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	Number of Transaction Sets Included	M	N0	1/6	Must use
		Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	Group Control Number	M	N0	1/9	Must use
		Description: 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
		Description: A count of the number of functional groups included in an interchange				
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: 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*ROMEDEVILLE*IL*60446~
 N1*BT*KEHE DIST.-ROMEDEVILLE*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~

Random Weight Item.

IT1*24*30*CA*14.52*PE*UP*012345678981*UK*10012345678988~
IT3*214*LB~
CTPALT*3.95~**
 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~

**Note IT3 and CTP example is for Random Weight items only i.e. Meats, Cheese

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