X12 EDI 810

Invoice

Specifications

Contents

Invoice Details

Introduction

This specification contains the format and data content of the *Invoice* sent from Suppliers, inbound to Coupa, following the EDI X12 ANSI format, version 4010.

The *Invoice* functions as the supplier's request for payment from a customer as prearranged in their partnership.

File Format

As per EDI standards:

> ~ is the delimiter between segments
> * is the delimiter between elements within a segment

Example

ISA*00* *00* *01*621418185
*ZZ*TRADINGPARTNER*091001*0500*U*00401*999999999*1*P*>~

X12 EDI 810 Segments

Segment Summary

Summary Abbreviations

Code	Description
Pos	Position Number
Seg	Segment ID
Name	Segment Name
Req	Requirement Status
	• M – Mandatory • R – Recommended (optional, but preferred Coupa convention) • O – Optional
Max	Max Usage
Rep	Loop Repeat

Not Defined

Pos	Seg	Name	Req	Max	Rep	Notes
	ISA	Interchange Control Header	M	1		
	GS	Functional Group Header	M	1		

Heading

Pos	Seg	Name	Req	Max	Rep	Notes
010	ST	Transaction Set Header	M	1		
020	BIG	Beginning Segment for Invoice	M	1		
030	NTE	Note/Special Instruction	O	1100		
040	CUR	Currency	O	11		
050	REF	Reference Identification	O	13		
060	PER	Administrative Communications Contact	O	13		
130	ITD	Terms of Sale/Deferred Terms of Sale	O			
140	DTM	Date/Time Reference	O	110		
Loop ID – N1			**M**	**200**		
070	N1	Ship To	M	1		
070	N1	Ship From	M	1		
090	N3	Address Information	O	2		
100	N4	Geographic Location	O	>1		

110	REF	Reference Identification	O	12		
130	ITD	Terms of Sale/Deferred Terms of Sale	O			
140	DTM	Date/Time Reference	O	10		
070	N1	Ship To	M	1		

Detail

Pos	Seg	Name	Req	Max	Rep	Notes
Loop ID – IT1					**100000**	
010	IT1	Baseline Item Data (Invoice)	M	1		N2/010
015	QTY	Quantity	O	15		
030	IT3	Additional Item Data	O	15		
040	TXI	Tax Information	O	110		
050	CTP	Pricing Information	O	125		
090	PKG	Marking, Packaging, Loading	O	125		
100	PO4	Item Physical Details	O	11		
120	REF	Reference Identification	O	1-1		

Summary

Pos	Seg	Name	Req	Max	Rep	Notes
Loop ID – Charges					**1**	
010	TDS	Total Monetary Value Summary	M	11		
020	TXI	Tax Information	R	110		
040	SAC	Service, Promotion, Allowance or Charge Information	R	1999		
070	CTT	Transaction Totals	O	11		
080	SE	Transaction Set Trailer	M	11		

Not Defined

Pos	Seg	Name	Req	Max	Rep	Notes
	GE	Functional Group Trailer	M	1		
	IEA	Interchange Control Trailer	M	1		

ISA Interchange Control Header

Purpose
To start and identify an interchange of zero or more functional groups and interchange-related control segments.

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	M

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

Code	Name
00	No Authorization Information Present (No meaningful information in I02)

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
ISA02	I02	**Authorization Information**	M	AN	10/10	M

Description: 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)

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
ISA03	I03	**Security Information Qualifier**	M	AN	2/2	M

Code	Name
00	No Security Information Present (No meaningful information in I04)

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
ISA04	I04	**Security Information**	M	AN	10/10	M

Description: 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)

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	M

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

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
ISA06	I06	**Interchange Sender ID**	M	AN	15/15	M

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 | M |

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

| ISA08 | I07 | **Interchange Receiver ID** | M | AN | 15/15 | M |

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 will use this as a receiving ID to route data to them

| ISA09 | I08 | **Interchange Date** | M | DT | 6/6 | M |

Description: Date of the interchange (MMDDYY)

| ISA10 | I09 | **Interchange Time** | M | TM | 4/4 | M |

Description: Time of the interchange, in 24 hour time (HHMM)

| ISA11 | I10 | **Interchange Control Standards Identifier** | M | ID | 1/1 | M |

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

| ISA12 | I11 | **Interchange Control Version Number** | M | ID | 5/5 | M |

Description: Code specifying the version number of the interchange control segments

All valid standard codes are used

| ISA13 | I12 | **Interchange Control Number** | M | N0 | 9/9 | M |

Description: A control number assigned by the interchange sender

| ISA14 | I13 | **Acknowledgement Requested** | M | ID | 1/1 | M |

Description: Code sent by the sender to request an interchange acknowledgement (TA1)

All valid standard codes are used

ISA15	I14	**Usage Indicator**	M	ID	1/1	M

Description: Code to indicate whether data enclosed by this interchange envelope is test, production, or information

All valid standard codes are used

ISA16	I15	**Component Element Separator**	M	N/A	1/1	M

Description: This 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.

GS Functional Group Header

Purpose
To indicate the beginning of a functional group and to provide control information

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	M

Description: Code to identify a group of application related transaction sets

Code	Name
PO	Purchase Order (850)

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	AN	2/15	M

Description: Code identifying party sending transmission; codes agreed to by trading partners

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	AN	2/15	M

Description: Code identifying party receiving transmission; codes agreed to by trading partners

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
GS04	373	**Date**	M	DT	8/8	M

Description: Date expressed as CCYYMMDD

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
GS05	337	**Time**	M	TM	4/8	M

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)

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
GS06	28	**Group Control Number**	M	N0	1/9	M

Description: Assigned number originated and maintained by the sender

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
GS07	455	**Responsible Agency Code**	M	ID	1/2	M

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

GS08   480   **Version/Release/Industry Identifier Code**   M   AN   1/12   M

> **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 | Name |
> |------|------|
> | 004010 | Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997 |

Semantics

- GS04 is the group date.
- GS05 is the group time.
- The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments

A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

Purpose
To indicate the start of a transaction set and to assign a control number

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
ST01	5	**Transaction Set Identifier Code**	M	ID	3/3	M

Description: Code uniquely identifying a Transaction Set

Code	Name
810	Invoice (810)

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
ST02	6	**Transaction Set Control Number**	M	AN	4/9	M

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

Purpose
To indicate the beginning of Invoice Transaction Set and transmit identifying numbers and dates

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
BIG01	8	**Date**	M	DT	8/8	M

Description: Date expressed as CCYYMMDD

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
BIG02	9	**Invoice Number**	M	AN	1/22	M

Description: Invoice Number from Supplier

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
BIG03	10	**Date**	O	DT	1/22	O

Description: Date expressed as CCYYMMDD

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
BIG04	11	**Purchase Order Number**	M	AN	1/22	M

Description: Purchase Order assigned by the order/purchaser

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
BIG06	13	**Change Order Sequence Number**	O	AN	1/8	O

Description: Number assigned by the orderer identifying a specific change or revision of a previously transmitted transaction set

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
BIG07	14	**Transaction Type Code**	M	ID	1/2	M

Description: Code specifying the type of transaction

Code	Name
CR	Credit Memo
DI	Debit Invoice

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
BIG08	15	**Transaction Set Purpose Code**	O	ID	1/2	O

Description: Code identifying purpose of transaction set

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
BIG09	16	**Action Code**	O	ID	1/2	O

Description: Code identifying purpose of transaction set

| BIG10 | 17 | **Invoice Number** | M | AN | 1/22 | M |

Description: Original invoice number being adjusted by a Credit Memo when BIG07 = CM

NTE Note/Special Instruction

Purpose
Notes/Special Instructions

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
NTE01	19	**Note Reference Code**	O	ID	1/3	O

Description: Code identifying the functional area or purpose for which the note applies

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
NTE02	20	**Description**	O	AN	1/80	O

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

CUR Currency

Purpose
To specify currency information

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
CUR01	22	**Entity Identifier Code**	O	ID	2/3	M

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

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
CUR02	23	**Currency Code**	R	AN	1/30	U

Description: The code identifying the currency used in the transaction

Code	Name
USD	United States Dollar
CAD	Canadian Dollars

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REF Reference Identification

Purpose
To specify reference information

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
REF01	44	**Reference Identification Qualifier**	M	ID	2/3	M

Description: Code qualifying the Reference Identification. Note: Coupa prefers Original Invoice Number in BIG10 for Credit Memos

Code	Name
OI	Original Invoice Number in REF02 when Credit Memo

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
REF02	45	**Reference Identification**	M	AN	1/30	U

Description: Reference information as defined for a particular Transaction Set or as specified by REF01.

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PER Administrative Communications Contact

Purpose

To identify a person or office to whom administrative communications should be directed

```
Pos: 060
Max: 3
Heading - Optional
Loop: N/A
Elements: 4
```

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	M

Description: Code identifying the major duty or responsibility of the person or group named

Code	Name
BD	Buyer Name or Department

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/60	U

Description: Free-form name

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	X	ID	2/2	U

Description: Code identifying the type of communication number

Code	Name
TE	Telephone

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/80	U

Description: Complete communications number including country or area code when applicable

Syntax Rules

- P0304: If either PER03 or PER04 is present, then the other is required.
- P0506: If either PER05 or PER06 is present, then the other is required.
- P0708: If either PER07 or PER08 is present, then the other is required.

DTM Date/Time Reference

Purpose
To specify pertinent dates and times

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	M

Description: Code specifying type of date or time, or both date and time

Code	Name
002	Delivery Requested

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	M

Description: Date expressed as CCYYMMDD

Syntax Rules
- R020305: At least one of DTM02, DTM03 or DTM05 is required.
- C0403: If DTM04 is present, then DTM03 is required.
- P0506: If either DTM05 or DTM06 is present, then the other is required.

Loop Name

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

Loop Summary

Pos	Seg	Name	Req	Type	Max	Usage
310	N1	Name	O	1		M
310	N1	Name	O	1		M
330	N3	Address Information	O	2		U
340	N4	Geographic Location	O	>1		U
350	REF	Reference Identification	O	12		U

Notes
The N1 Loop identifying the Ship-From Distribution Center must include the N1 segment.. The Servicing Distribution

Center Loop will be qualified with "SF" in the first element of the N1 segment.

The N1 Loop identifying the Ship-To Customer must include the N1, N3, N4, and REF segments. The Ship-To CustomerLoop will be qualified with "ST" in the first element of the N1 segment.

N1 Name

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

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	M

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

Code	Name
SF	Ship From

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	U

Description: Free-form name. Rock on (where applicable, from Account Master).

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	U

Description: Code designating the system/method of code structure used for Identification Code (67)

Code	Name
91	Assigned by Seller or Seller's Agent

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	U

Description: Code identifying a party or other code

Syntax Rules
- R0203: At least one of N102 or N103 is required.
- P0304: If N103 or N104 is present, then the other is required.

Comments
- This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- N105 and N106 further define the type of entity in N101.

N1 Name

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

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	M

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

Code	Name
ST	Ship To

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	U

Description: Name of the Ship-To Customer

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	U

Description: Code designating the system/method of code structure used for Identification Code (67)

Code	Name
91	Assigned by Seller or Seller's Agent

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	U

Description: The account number of the Ship-To Customer.

Syntax Rules
- R0203: At least one of N102 or N103 is required.
- P0304: If N103 or N104 is present, then the other is required.

Comments
- This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- N105 and N106 further define the type of entity in N101.

N3 Address Information

Purpose
To specify the location of the named party

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	M
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	U
		Description: Address information				

N4 Geographic Location

Purpose
To specify the geographic place of the named party

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/ Max	Usage
N401	19	**City Name**	O	AN	2/30	U
		Description: Free-form text for city name				
N402	156	**State or Province Code**	O	ID	2/2	U
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	**Postal Code**	O	ID	3/15	U
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				

Syntax Rules
C0605: If N406 is present, then N405 is required.

Comments
- A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
- N402 is required only if city name (N401) is in the U.S. or Canada.

REF Reference Identification

Purpose
To specify identifying information

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	M

Description: Code qualifying the Reference Identification

Code	Name
DP	Department Number

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	U

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules
R0203: At least one of REF02 or REF03 is required.

Semantics
REF04 contains data relating to the value cited in REF02.

Loop Baseline Item Data

Purpose
To specify basic and most frequently used line item data

Loop Summary

Pos	Seg	Segment Name	Req	Type	Rep	Usage
010	PO1	**Baseline Item Data**	M	1		M
050		**Loop PID**	O		1000	U

P01 Baseline Item Data

Purpose
To specify basic and most frequently used line item data

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PO101	350	**Assigned Identification**	O	AN	1/20	U

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PO102	330	**Quantity Ordered**	X	R	1/15	U

Description: Quantity ordered

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PO103	355	**Unit of Basis for Measurement Code**	O	ID	2/2	U

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

Code	Name
CA	Case
EA	Each

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PO104	212	**Unit Price**	X	R	1/17	U

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

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PO105	639	**Basis of Unit Price Code**	O	ID	2/2	U

Description: Code identifying the type of unit price for an item

Code	Name
PE	Price per Each
PP	Price per Pound
UM	Price per Unit of Measure

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PO106	235	**Product/Service ID Qualifier**	X	AN	1/48	U

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code	Name
VN	Vendor's (Seller's) Item Number

PO107   234   **Product/Service ID**   X   AN   1/48   U

          Description: Identifying number for a product or service

Syntax Rules

- C0302: If PO103 is present, then PO102 is required.
- C0504: If PO105 is present, then PO104 is required.
- P0607: If either PO106 or PO107 is present, then the other is required.
- P0809: If either PO108 or PO109 is present, then the other is required.
- P1011: If either PO110 or PO111 is present, then the other is required.
- P1213: If either PO112 or PO113 is present, then the other is required.
- P1415: If either PO114 or PO115 is present, then the other is required.
- P1617: If either PO116 or PO117 is present, then the other is required.
- P1819: If either PO118 or PO119 is present, then the other is required.
- P2021: If either PO120 or PO121 is present, then the other is required.
- P2223: If either PO122 or PO123 is present, then the other is required.
- P2425: If either PO124 or PO125 is present, then the other is required.

Comments

- See the Data Element Dictionary for a complete list of IDs.
- PO101 is the line item identification.
- PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Loop Product/Item Description

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

Loop Summary

Ref	Seg	Element Name	Reg	Type	Rep	Usage
050	PID	Product/Item Description	O	1		U

PID Product/Item Description

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

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	M

Description: Code indicating the format of a description

Code	Name
F	Free-form

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
PID05	352	**Description**	X	AN	1/80	M

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

Syntax Rules
- C0403: If PID04 is present, then PID03 is required.
- R0405: At least one of PID04 or PID05 is required.
- C0703: If PID07 is present, then PID03 is required.
- C0804: If PID08 is present, then PID04 is required.
- C0905: If PID09 is present, then PID05 is required.

Semantics
- Use PID03 to indicate the organization that publishes the code list being referred to.
- PID04 should be used for industry-specific product description codes.
- PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
- PID09 is used to identify the language being used in PID05.

Comments
- If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
- Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- PID07 specifies the individual code list of the agency specified in PID03.

Loop Transaction Totals

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

Loop Summary

Pos	Seg	Segment Name	Req	Type	Rep	Usage
010	CTT	Transaction Totals	O	1		U

CTT Transaction Totals

Purpose
To provide a free form format that allows the transmission of text information

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	M

Description: Total number of line items in the transaction set

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
CTT02	347	**Hash Total**	O	R	1/10	U

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.

Syntax Rules
- P0304: If either CTT03 or CTT04 is present, then the other is required.
- P0506: If either CTT05 or CTT06 is present, then the other is required.

Comments
This segment is intended to provide hash totals to validate transaction completeness and correctness

SE Transaction Set Trailer

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

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
SE01	96	**Number of included segments**	M	N0	1/10	M

Description: Total number of segments included in a transaction set including ST and
SE segments

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	M

Description: Identifying control number that must be unique within the transaction set
functional group assigned by the originator for a transaction set

Comments: SE is the last segment of each transaction set

GE Functional Group Trailer

Purpose
To indicate the end of a functional group and to provide control information

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
GE01	97	Number of Transaction Sets Included	M	N0	1/6	M

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

Ref	Seg	Element Name	Reg	Type	Min/Max	Usage
GE02	28	**Group Control Number**	M	N0	1/9	M

Description: Assigned number originated and maintained by the sender

Semantics
The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments
The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

Purpose
To indicate the end of a functional group and to provide control information

Element Summary

Ref	Seg	Element Name	Reg	Type	Min/ Max	Usage
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	M
		Description: A count of the number of functional groups included in an interchange				
IEA02	I12	**Interchange Control Number**	M	N0	9/9	M
		Description: A control number assigned by the interchange sender				

Revision History

Revision	Date	Revised By	Change
1.0	5/15/2012	Stephen Aghaulor	Creating EDI format from template.
1.1	6/3/2012	Cortney Frantz	Edited for 850.
1.2	6/19/2012	Cortney Frantz	Fixes to spec.
			BEG04 is actually BEG05.
			Fixed second N1 loop to be Ship To.
			Adjusted number of P01 loops in page summary.
1.3	7/9/2012	Cortney Frantz	Added value for REF02 for REF^OS segment.
1.4	9/5/2012	Cortney Frantz	REF02 for REF^ZZ adjusted to be "Coupa"
			N102 for N1^SF is "Distributor Name".
1.5	10/8/2012	Cortney Frantz	Updated GS01 for "PO". Updated ST01 for "850".
1.6	06/09/2014	James Laframboise	Formatting and review.