Marine Corps Exchange 810 Invoice

Version: 4.0

Author:	**SPS Commerce**
Company:	
Created:	**7/8/2013**
Modified:	**11/6/2023**

810   Invoice

Functional Group=IN

Purpose: This Standard contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BIG	Beginning Segment for Invoice	M	1			Must use
0400	CUR	Currency	O	1			Used
0500	REF	Reference Identification	C	2			Must use
LOOP ID - N1					**3**		
0700	N1	Name	C	1			Must use
0900	N3	Address Information	C	1			Used
1000	N4	Geographic Location	C	1			Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	M	1			Must use
1400	DTM	Date/Time Reference	C	2			Must use
1500	FOB	F.O.B. Related Instructions	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - IT1					**200000**		
0100	IT1	Baseline Item Data (Invoice)	M	1			Must use
LOOP ID - PID					**3**		
0600	PID	Product/Item Description	C	1			Must use
1200	REF	Reference Identification	O	>1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	TDS	Total Monetary Value Summary	M	1			Must use
0300	CAD	Carrier Detail	M	1			Must use
LOOP ID - SAC					**10**		
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
LOOP ID - ISS					**1**		
0600	ISS	Invoice Shipment Summary	M	1			Must use
0700	CTT	Transaction Totals	M	1		N3/0700	Must use
0800	SE	Transaction Set Trailer	M	1			Must use

Notes:

3/0700 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used CTT02 is the hash total of the quantities invoiced (IT102) for each IT1 segment.

General Usage:

MCX requires one invoice per Ship To location.

   . For Bulk, Cross Dock or Single Store orders this would be one Invoice per PO Header Ship To address.
   . For Multi-Store Direct Store Delivery, this would be one Invoice per Store on the PO within the SDQ segment of the PO.

Invoice Date (BIG01) cannot be back dated and should be the date the invoice is sent.

Invoice Number (BIG02) must be unique and only sent once.

Revision History:

REVISION HISTORY -

11/6/2023 - added F180 as an allowed SAC02 code. Updated SAC loop max to 10.

12/27/2022 - added BIG07 for DD Invoices, added notes to BIG elements, removed CA in ISS02

02/02/2015 - added notes around cross dock usage

*7/8/13 - added user note to REF02 (REF01*IA) for min/max 11/11*

10/17/2011 - Updated use of PID segment to rely that this segment is mandatory

10/20/10 – Corrected requirement of FOB segment. Changed from optional to Mandatory

10/8/10 – Updated ISS loop to indicate mandatory and ISS segment is also mandatory

9/8/09 - Effective 9/28/09 changed ITD06 from Optional to Mandatory

7/17/09 - Added qualifier TP to FOB01

5/22/09 - Updated N1 to note that the site/store number will be 5 characters (including a leading zero) This number must be the same number sent on that order in either the N104 of the N1 Ship To or the SDQ segment, including the leading zero

5/15/09 - Changed FOB03 from Mandatory to Optional

5/8/09 - Changed IT1 User Note 1: to indicate EITHER the "UP" or "EN" product id is mandatory.

4/29/09 - Added qualifier DF to FOB01

4/13/09 - Added optional ITD05 and ITD07 and changed ITD06 from Mandatory to Optional

3/19/09 - Remove qualifier CA (Case) in ISS01. Only EA is allowed

2/19/09 - added examples to the end of these specifications

1/20/09 -
- Change Remit To address N1 loop from Optional to Mandatory
- Updated User Note in N1 segment that N102 is mandatory for Ship To
- Updated User Note for IT1 that both UPC and Vendor Item/Styler are mandatory
- Changed ISS loop and Segment from Optional to Mandatory

11/30/08 - Added mandatory Bill To N1 loop

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 314, Included: 1)

Code	Name
810	Invoice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BIG Beginning Segment for Invoice

Pos: 0200   **Max: 1**
Heading - Mandatory
Loop: N/A   **Elements: 5**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG01	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

User Note 1: *Invoice Date - Cannot be back dated and should be the date the invoice is sent.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG02	76	**Invoice Number**	M	AN	1/22	Must use

Description: Identifying number assigned by issuer

User Note 1: *Must be a unique value that is only sent once.*

For direct delivery invoices, this value should also be sent in BIG04.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG03	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

User Note 1: *Purchase Order Date*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG04	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

User Note 1: *For direct delivery invoices, this value should be the same as BIG02.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG07	640	**Transaction Type Code**	O	ID	2/2	Used

Description: Code specifying the type of transaction

User Note 1: *Only used for direct delivery invoices. Do not send for standard invoices.*

CodeList Summary (Total Codes: 500, Included: 1)

Code	Name
DR	Debit Memo

User Note 1:

Used only for direct delivery (DD) invoices. Do not provide for standard invoices.

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.

Comments:

1. BIG07 is used only to further define the type of invoice when needed.

CUR Currency

Pos: 0400	**Max: 1**
Heading - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR01	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

CodeList Summary (Total Codes: 1446, Included: 1)

Code	Name
SE	Selling Party

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR02	100	**Currency Code**	M	ID	3/3	Must use

Description: Code (Standard ISO) for country in whose currency the charges are specified

REF   Reference Identification

User Option (Usage): Must use
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1631, Included: 2)

Code	Name
IA	Internal Vendor Number
VN	Vendor Order Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/50	Must use

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

User Note 1: *When REF01=IA, REF02 minimum/maximum length of characters allowed is 11/11.*

When REF01=VN, REF02 minimum/maximum length of characters allowed is 1/30.

User Note 1:

For qualifier IA, this number must be the number sent in the REF (IA) on the 850. This is the supplier Duns number

Loop Name

Pos: 0700	**Repeat: 3**
Conditional	
Loop: N1	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0700	N1	Name	C	1		Must use
0900	N3	Address Information	C	1		Used
1000	N4	Geographic Location	C	1		Used

N1 Name

Pos: 0700	**Max: 1**
Heading - Conditional	
Loop: N1	**Elements: 4**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

CodeList Summary (Total Codes: 1446, Included: 3)

Code	Name
BT	Bill-to-Party
RI	Remit To
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	C	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

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

CodeList Summary (Total Codes: 223, Included: 2)

Code	Name
1	D-U-N-S Number, Dun & Bradstreet
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	C	AN	2/80	Used

Description: Code identifying a party or other code

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. 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.

User Note 1:

Ship To and Remit To N1 loops are mandatory

When the N101 = ST, the N103 and N104 are mandatory and the N103 must be 92. For Bulk/Cross Dock DC or Single Store orders, the N104 will be the N104 from the 850 when the N101 = ST. For Multi-Store (Direct Store Delivery orders), the N104 will be the SDQ location which is 5 digits including the leading zero when the N101 = ST.

For Remit To, N101, N102 are mandatory.

N3 Address Information

Pos: 0900	Max: 1
Heading - Conditional	
Loop: N1	**Elements: 2**

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

User Note 1:

This segment is required for Remit To and Bill To N1 loop

N4   Geographic Location

Pos: 1000	Max: 1
Heading - Conditional	
Loop: N1	**Elements: 4**

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	M	AN	2/30	Must use

> **Description:** Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	M	ID	2/2	Must use

> **Description:** Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	M	ID	3/15	Must use

> **Description:** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	X	ID	2/3	Used

> **Description:** Code identifying the country

User Note 1:

This segment is required for Remit To and Bill To N1 loop

ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 8

User Option (Usage): Must use
Purpose: To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	**Terms Type Code**	O	ID	2/2	Used

Description: Code identifying type of payment terms

CodeList Summary (Total Codes: 75, Included: 2)

Code	Name
05	Discount Not Applicable
08	Basic Discount Offered

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD02	333	**Terms Basis Date Code**	O	ID	1/2	Used

Description: Code identifying the beginning of the terms period

CodeList Summary (Total Codes: 17, Included: 4)

Code	Name
1	Ship Date
2	Delivery Date
3	Invoice Date
15	Receipt of Goods

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD03	338	**Terms Discount Percent**	O	R	1/6	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD04	370	**Terms Discount Due Date**	X	DT	8/8	Used

Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD where CC represents the first two digits of the calendar year

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD05	351	**Terms Discount Days Due**	X	N0	1/3	Used

Description: Number of days in the terms discount period by which payment is due if terms discount is earned

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD06	446	**Terms Net Due Date**	M	DT	8/8	Must use

Description: Date when total invoice amount becomes due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD07	386	**Terms Net Days**	O	N0	1/3	Used

Description: Number of days until total invoice amount is due (discount not applicable)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD12	352	**Description**	M	AN	1/80	Must use

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

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.

DTM **Date/Time Reference**

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

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

CodeList Summary (Total Codes: 1226, Included: 2)

Code	Name
011	Shipped
017	Estimated Delivery

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

User Note 1:

Ship Date is mandatory

FOB **F.O.B. Related Instructions**

Pos: 1500	Max: 1
Heading - Mandatory	
Loop: N/A	**Elements: 3**

User Option (Usage): Must use

Purpose: To specify transportation instructions relating to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

CodeList Summary (Total Codes: 31, Included: 3)

Code	Name
CC	Collect
PP	Prepaid (by Seller)
TP	Third Party Pay

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB02	309	**Location Qualifier**	X	ID	1/2	Used

Description: Code identifying type of location

CodeList Summary (Total Codes: 176, Included: 3)

Code	Name
AC	City and State
DE	Destination (Shipping)
OR	Origin (Shipping Point)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB03	352	**Description**	O	AN	1/80	Used

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

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.

Loop Baseline Item Data (Invoice)

Pos: 0100	Repeat: 200000
Mandatory	
Loop: IT1	**Elements: N/A**

User Option (Usage): Must use

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	IT1	Baseline Item Data (Invoice)	M	1		Must use
0600		Loop PID	M		3	Must use
1200	REF	Reference Identification	O	>1		Used

IT1 Baseline Item Data (Invoice)

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 8

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT101	350	**Assigned Identification**	O	AN	1/20	Used

> **Description:** Alphanumeric characters assigned for differentiation within a transaction set
> **User Note 1:** *Line Sequence #*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT102	358	**Quantity Invoiced**	M	R	1/10	Must use

> **Description:** Number of units invoiced (supplier units)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT103	355	**Unit or Basis for Measurement Code**	M	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
> **User Note 1:** *Unit of Measure must match what is sent on the 850. Suppliers are encouraged to communicated any discrepancies with your buyers at the time the 850 is received so there are no issues with Invoice delays.*

CodeList Summary (Total Codes: 803, Included: 1)

Code	Name
EA	Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT104	212	**Unit Price**	M	R	1/17	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT106	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)

CodeList Summary (Total Codes: 505, Included: 3)

Code	Name
EN	EAN/UCC - 13

> **Description:** *Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)*

Code	Name
UP	UCC - 12

> **Description:** *Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)*

Code	Name
VA	Vendor's Style Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT107	234	**Product/Service ID**	X	AN	1/48	Used

> **Description:** Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**

CodeList Summary (Total Codes: 505, Included: 3)

Code Name

EN   EAN/UCC - 13

Description: *Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)*

UP   UCC - 12

Description: *Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)*

VA   Vendor's Style Number

| IT109 | 234 | **Product/Service ID** | X | AN | 1/48 | Used |

Description: Identifying number for a product or service

Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.

Semantics:

1. IT101 is the line item identification.

User Note 1:

Either the Vendor UPC or EAN is required and can be sent in either IT106/7 or IT108/9

Loop Product/Item Description

<table>
<tr><td>Pos: 0600</td><td>Repeat: 3</td></tr>
<tr><td colspan="2" align="center">Mandatory</td></tr>
<tr><td>Loop: PID</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0600	PID	Product/Item Description	C	1		Must use

PID   Product/Item Description

Pos: 0600	Max: 1
Detail - Conditional	
Loop: PID	Elements: 3

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use

Description: Code indicating the format of a description

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

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID02	750	**Product/Process Characteristic Code**	M	ID	2/3	Must use

Description: Code identifying the general class of a product or process characteristic

CodeList Summary (Total Codes: 235, Included: 4)

Code	Name
08	Product
73	Vendor color description
74	Vendor size description
75	Buyer's Color Description

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	M	AN	1/80	Must use

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

User Note 1:

Item Description (qualifier 08) is mandatory

REF   Reference Identification

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1631, Included: 1)

Code	Name
SE	Serial Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/50	Must use

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

User Note 1: *REF02 minimum/maximum length of characters allowed is 1/30.*

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TDS01	610	**Amount**	M	N2	1/15	Must use
		Description: Monetary amount				
		User Note 1: *Total Invoice Amount*				
TDS02	610	**Amount**	O	N2	1/15	Used
		Description: Monetary amount				
		User Note 1: *Merchandise Amount*				
TDS03	610	**Amount**	O	N2	1/15	Used
		Description: Monetary amount				
TDS04	610	**Amount**	O	N2	1/15	Used
		Description: Monetary amount				

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDS02 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. TDS04 indicates the total amount of terms discount.

Comments:

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

CAD Carrier Detail

<div style="border:1px solid">

Pos: 0300   **Max: 1**

Summary - Mandatory

Loop: N/A   **Elements: 3**

</div>

User Option (Usage): Must use

Purpose: To specify transportation details for the transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD04	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use

Description: Standard Carrier Alpha Code

User Note 1: *Standard Carrier Alpha Code (SCAC) must be sent in all uppercase letters per X12 syntax.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD07	128	**Reference Identification Qualifier**	O	ID	2/3	Used

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1631, Included: 3)

Code	Name
BM	Bill of Lading Number
CN	Carrier's Reference Number (PRO/Invoice)
P8	Pickup Reference Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD08	127	**Reference Identification**	X	AN	1/50	Used

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

Syntax Rules:

1. C0708 - If CAD07 is present, then CAD08 is required.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 0400   Repeat: 10
Optional
Loop: SAC   Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400	**Max: 1**
Summary - Optional	
Loop: SAC	**Elements: 5**

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

CodeList Summary (Total Codes: 7, Included: 2)

Code	Name
A	Allowance
C	Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	M	ID	4/4	Must use

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

CodeList Summary (Total Codes: 1070, Included: 10)

Code	Name
C000	Defective Allowance
C090	Deposit Charges
C110	Deposit
C310	Discount
D240	Freight
F050	Other (See related description)
F180	Pallet
F800	Promotional Allowance
G510	Returnable Container

> **User Note 1:**
> *Used for Keg Return*

Code	Name
I170	Trade Discount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	M	N2	1/15	Must use

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC12	331	**Allowance or Charge Method of Handling Code**	O	ID	2/2	Used

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

CodeList Summary (Total Codes: 22, Included: 1)

Code	Name
02	Off Invoice

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC15	352	**Description**	M	AN	1/80	Must use

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

Loop Invoice Shipment Summary

Pos: 0600	Repeat: 1
Mandatory	
Loop: ISS	**Elements: N/A**

User Option (Usage): Must use

Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0600	ISS	Invoice Shipment Summary	M	1		Must use

ISS Invoice Shipment Summary

Pos: 0600   Max: 1
Summary - Mandatory
Loop: ISS   Elements: 2

User Option (Usage): Must use

Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISS01	382	**Number of Units Shipped**	M	R	1/10	Must use

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

User Note 1: *Number of Eaches Shipped*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISS02	355	**Unit or Basis for Measurement Code**	M	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

CodeList Summary (Total Codes: 803, Included: 1)

Code Name

EA   Each

Syntax Rules:

1. R010305 - At least one of ISS01, ISS03 or ISS05 is required.
2. P0102 - If either ISS01 or ISS02 is present, then the other is required.

CTT   **Transaction Totals**

Pos: 0700	**Max: 1**
Summary - Mandatory	
Loop: N/A	**Elements: 1**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Comments:

1. SE is the last segment of each transaction set.