810   Invoice

Functional Group: IN
Version: ANSI X-12 004030

Author:	**Family Dollar Stores EC Department**
Publication:	
Trading Partner:	Merchandise & Supplies Vendors
Notes:	**(** Revision- Addition of new freight codes to summary SAC segment

810   **Invoice**

Functional Group = IN

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.

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Used
	GS	Functional Group Header	M	1			Used

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
0500	REF	Reference Identification	O	12			Used
0501	REF	Reference Identification	O	12			Used
0502	REF	Reference Identification	O	12			Used
0600	PER	Administrative Communications Contact	O	3			Used
LOOP ID - N1					**200**		
0601	N1	Name – Remit To	O	1			Used
0603	N3	Address Information	O	2			Used
0604	N4	Geographic Location	O	1			Used
LOOP ID - N1					**200**		
0700	N1	Name- Ship To	O	1			Used
0900	N3	Address Information	O	2			Used
1000	N4	Geographic Location	O	1			Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
1400	DTM	Date/Time Reference	O	10			Used
1500	FOB	F.O.B. Related Instructions	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - IT1					**200000**		
0100	IT1	Baseline Item Data (Invoice)	O	1			Used
LOOP ID - PID					**1000**		
0600	PID	Product/Item Description	O	1			Used
LOOP ID - SAC					**>1**		
1800	SAC	Service, Promotion, Allowance, or Charge Information	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	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			Used

0700	CTT	Transaction Totals	O	1		N3/0700	Used
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			Used
	IEA	Interchange Control Trailer	M	1			Used

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.

ISA   Interchange Control Header

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

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use	1

Description: Code identifying the type of information in the Authorization Information

Code	Name
00	No Authorization Information Present (No Meaningful Information in I02)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA02	I02	**Authorization Information**	M	AN	10/10	Must use	1

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	1

Description: Code identifying the type of information in the Security Information

Code	Name
00	No Security Information Present (No Meaningful Information in I04)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA04	I04	**Security Information**	M	AN	10/10	Must use	1

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	1

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

Code	Name
01	Duns (Dun & Bradstreet)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use	1

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

Note 1: Family Dollar ID's
Test ID: 024472631T
Production ID: 024472631

ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use	1

Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element

being qualified

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use	1

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA09	I08	**Interchange Date**	M	DT	8/8	Must use	1

Description: Date of the interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use	1

Description: Time of the interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA11	I65	**Repetition Separator**	M	AN	1/1	Must use	1

Description: Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator

   Note 1: FAMILY DOLLAR RS: HEX 3A (:)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use	1

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

Code	Name
00403	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1999

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use	1

Description: A control number assigned by the interchange sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Must use	1

Description: Code indicating sender's request for an interchange acknowledgment

Code	Name
0	No Acknowledgment Requested

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA15	I14	**Usage Indicator**	M	ID	1/1	Must use	1

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

Code	Name
P	Production Data
T	Test Data

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ISA16	I15	**Component Element Separator**	M	AN	1/1	Must use	1

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

<table>
<tr><td>

GS

</td><td>

Functional Group Header

</td><td>

Pos:

Max: 1

Not Defined - Mandatory

Loop: N/A

Elements: 8

</td></tr>
</table>

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use	1

Description: Code identifying a group of application related transaction sets

Code	Name
IN	Invoice Information (810)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use	1

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

 Note 1:
Test ID: 024472631T
Production ID: 024472631

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use	1

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

GS04	373	**Date**	M	DT	8/8	Must use	1

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

GS05	337	**Time**	M	TM	4/8	Must use	1

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	1

Description: Assigned number originated and maintained by the sender

GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use	1

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

Code	Name
X	Accredited Standards Committee X12

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use	1

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
004030	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1999

Comments:

1. 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**	**Pos: 0100**

Pos: 0100
Max: 1

Heading - Mandatory

Loop: N/A
Elements: 2

User Option (Usage): Must use

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	Repetition
ST01	143	**Transaction Set Identifier Code** **Description:** Code uniquely identifying a Transaction Set **All valid standard codes are used.**	M	ID	3/3	Must use	1
ST02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use	1

BIG   Beginning Segment for Invoice

Pos: 0200	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 6**

User Option (Usage): Must use

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	Repetition
BIG01	373	**Date**	M	DT	8/8	Must use	1
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year					
BIG02	76	**Invoice Number**	M	AN	1/22	Must use	1
		Description: Identifying number assigned by issuer					
BIG03	373	**Date**	O	DT	8/8	Used	1
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year					
BIG04	324	**Purchase Order Number**	O	AN	1/22	Used	1
		Description: Identifying number for Purchase Order assigned by the ordered/purchaser **PO Number is a required field when the Invoice is against the PO.**					
BIG07	640	**Transaction Type Code**	O	ID	2/2	Used	1
		Description: Code specifying the type of transaction					

 Note 1:
CREDIT MEMO SPECIFIC: Only Used for Credit Memo.
User Note 2: FD SPECIFIC: Miscellaneous Service Invoice is only used for service charges without line items, such as a freight invoice.

Code	Name
26	**Miscellaneous Services Invoice**
CR	**Credit Memo**
DI	**Debit Invoice**

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
BIG10	76	**Invoice Number**	O	AN	1/22	Used	1
		Description: Identifying number assigned by issuer					

 Note 1:
CREDIT MEMO SPECIFIC: Only used when BIG07 = CR, which references an existing invoice.

Comments:

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

 Note 1:

FD SPECIFIC: Family Dollar cannot accept corrected invoices unless an EDI 864 Transaction notifies you of the rejection. If a new invoice is required please send a credit invoice followed by a new invoice complete with a new invoice number.

REF   Reference Identification

<table>
<tr><td>Pos: 0500</td></tr>
<tr><td align="right">Max: 12</td></tr>
<tr><td>Heading - Mandatory
Loop: N/A</td></tr>
<tr><td align="right">Elements: 2</td></tr>
</table>

User Option (Usage): Used

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use	1

Description: Code qualifying the Reference Identification

Note 1:
FD SPECIFIC: This is a required use of this REF segment. This number can be found on the REF (IA/ VR) of the 850 Purchase Order document or you will need to obtain this information from the Account Payable department of Family Dollar.
The 810 will not be processed unless the correct vendor number is provided in this segment.
You will get a reject message in an EDI 864 transaction and will need to correct and resend the invoice

Code	Name
IA	Internal Vendor Number
VR	Vendor ID Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
REF02	127	**Reference Identification**	C	AN	1/10	Used	1

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

Syntax:
1.   R0203 - At least one of REF02,REF03 is required

REF   Reference Identification

Pos: 0501
Max: 12
Heading - Optional
Loop: N/A
Elements: 2

User Option (Usage): Used

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use	1

Description: Code qualifying the Reference Identification

Code	Name
06	Oracle ID number

 Note 1: FD SPECIFIC: The usage on this segment will be for the Oracle Site ID. If you require Family Dollar to remit to anyone but your company you will need to provide a corresponding Oracle ID number that can be obtained through the Accounts Payable department at Family Dollar, or through the REF segment of the 850 Purchase Order. If this ID is not provided Family Dollar will default to the primary ID number.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
REF02	127	**Reference Identification**	C	AN	1/30	Used	1

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

Syntax:
1.   R0203 - At least one of REF02,REF03 is required

REF — Reference Identification

Pos: 0502

Max: 12

Heading - Optional

Loop: N/A

Elements: 2

User Option (Usage): Used

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use	1

Description: Code qualifying the Reference Identification

Note 1:
CREDIT MEMO SPECIFIC: Only used if this is a credit on an invoice. You must supply original invoice number.

Code	Name
AI	Associated Invoices

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
REF02	127	**Reference Identification**	C	AN	1/30	Used	1

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

Syntax:

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

PER Administrative Communications Contact

Pos: 0600

Max: 3

Heading - Mandatory

Loop: N/A

Elements: 2

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
PER01	366	**Contact Function Code**	M	ID	2/2	Must use	1
		Description: Code identifying the major duty or responsibility of the person or group named					

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
PER03	365	**Communication Number Qualifier**	C	ID	2/2	Used	1
		Description: Code identifying the type of communication number					

Note 1:
FD SPECIFIC: This is to be used for a contact telephone number of anyone that can assist Family Dollar AP Department should issues on the invoice arise.

Code	Name
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
PER04	364	**Communication Number**	C	AN	1/10	Used	1
		Description: Complete communications number including country or area code when applicable					

Note 1:
FD SPECIFIC: Only the telephone number is required in the PER04, no dashes or spaces allowed, as the field length is only 10 characters.

Syntax:

1. P0304 - If either PER03,PER04 is present, then all are required
2. P0506 - If either PER05,PER06 is present, then all are required
3. P0708 - If either PER07,PER08 is present, then all are required

Loop N1

Pos: 0601	**Repeat: 200**
Mandatory	
Loop: N1	**Elements: N/A**

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0601	N1	Name	O	1		Used
0603	N3	Address Information	O	2		Used
0604	N4	Geographic Location	O	1		Used

N1   **Name**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use	1

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

Code	Name
RI	Remit To

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

Description: Free-form name

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

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

Code	Name
1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
12	Telephone Number (Phone)
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
N104	67	**Identification Code**	C	AN	2/80	Used	1

Description: Code identifying a party or other code

Syntax:
1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are 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.
2. N105 and N106 further define the type of entity in N101.

N3 　　Address Information

<table>
<tr><td>Pos: 0603</td></tr>
<tr><td>Max: 2</td></tr>
<tr><td>Heading - Mandatory</td></tr>
<tr><td>Loop: N1</td></tr>
<tr><td>Elements: 1</td></tr>
</table>

User Option (Usage): Used

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
N301	166	**Address Information**	M	AN	1/25	Must use	1
		Description: Address information					

N4   **Geographic Location**

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
N401	19	**City Name**	O	AN	2/20	Used	1
		Description: Free-form text for city name					
N402	156	**State or Province Code**	C	ID	2/2	Used	1
		Description: Code (Standard State/Province) as defined by appropriate government agency					
N403	116	**Postal Code**	O	ID	3/5	Used	1
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

Syntax:
1.   E0207 - Only one of N402,N407 may be presented
2.   C0605 - If N406 is present, then all of N405 are required
3.   C0704 - If N407 is present, then all of N404 are required

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

Loop N1

Pos: 0700	
	Repeat: 200
Mandatory	
Loop: N1	
	Elements: N/A

To identify parties by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0700	N1	Name	O	1		Used
0900	N3	Address Information	O	2		Used
1000	N4	Geographic Location	O	1		Used

N1   Name

<table>
<tr><td>Pos: 0700</td></tr>
<tr><td align="right">Max: 1</td></tr>
<tr><td align="center">Heading - Mandatory</td></tr>
<tr><td>Loop: N1</td></tr>
<tr><td align="right">Elements: 4</td></tr>
</table>

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use	1

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

Code	Name
ST	Ship To

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

Description: Free-form name

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

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

Code	Name
9	D-U-N-S+4 Digits DC/Warehouse Location, D-U-N-S Number with Four Character Suffix
92	Assigned by Buyer or Buyer's Agent (4 Digit Store or DC Number)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
N104	67	**Identification Code**	C	AN	2/80	Used	1

Description: Code identifying a party or other code

> **Note 1:**
> **FD SPECIFIC: 024472631 + 4 digit ship to location (Refer FD Warehouse Locations) The N103 (ST) and N104 (ST) are required for payment.**
> **The invoice will be rejected and an EDI 864 message will be generated so that the correct WHSE/STORE location can be provided on the invoice.**

Syntax:
1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are 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.
2. N105 and N106 further define the type of entity in N101.

N3 Address Information

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

User Option (Usage): Used

To specify the location of the named party

Element Summary:

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

N4   **Geographic Location**

Pos: 1000

Max: 1

Heading - Mandatory

Loop: N1

Elements: 3

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
N401	19	**City Name**	O	AN	2/30	Used	1
		Description: Free-form text for city name					
N402	156	**State or Province Code**	C	ID	2/2	Used	1
		Description: Code (Standard State/Province) as defined by appropriate government agency					
N403	116	**Postal Code**	O	ID	3/15	Used	1
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

Syntax:
1. E0207 - Only one of N402,N407 may be presented
2. C0605 - If N406 is present, then all of N405 are required
3. C0704 - If N407 is present, then all of N404 are required

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

ITD	**Terms of Sale/Deferred Terms of Sale**	**Pos: 1300** Max: >1 **Heading - Mandatory** **Loop: N/A** Elements: 9

User Option (Usage): Used

To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ITD01	336	**Terms Type Code**	O	ID	2/2	Future Use	1

Description: Code identifying type of payment terms

Code	Name
01	Basic
03	Fixed Date

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

Description: Code identifying the beginning of the terms period

Code	Name
3	Invoice Date

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

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	Repetition
ITD04	370	**Terms Discount Due Date**	C	DT	8/8	Future Use	1

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	Repetition
ITD05	351	**Terms Discount Days Due**	C	N0	1/3	Future Use	1

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	Repetition
ITD06	446	**Terms Net Due Date**	O	DT	8/8	Future Use	1

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	Repetition
ITD07	386	**Terms Net Days**	O	N0	1/3	Future Use	1

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
ITD08	362	**Terms Discount Amount**	O	N2	1/10	Future Use	1

Description: Total amount of terms discount

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

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

Syntax:
1.   L03040513 - If ITD03 is present, then at least one of ITD04,ITD05,ITD13 is required
2.   L08040513 - If ITD08 is present, then at least one of ITD04,ITD05,ITD13 is required
3.   L091011 - If ITD09 is present, then at least one of ITD10,ITD11 is required

Comments:
1.   If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Note 1: **FD SPECIFIC:**
Although the only required element of the ITD is the ITD12, you may provide as many elements as necessary to describe payment terms.

DTM **Date/Time Reference**

Pos: 1400

Max: 10

Heading - Optional

Loop: N/A

Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use	1

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

Code	Name
011	Shipped

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
DTM02	373	**Date**	C	DT	8/8	Used	1

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

Syntax:

1. R020305 - At least one of DTM02,DTM03,DTM05 is required
2. C0403 - If DTM04 is present, then all of DTM03 are required
3. P0506 - If either DTM05,DTM06 is present, then all are required

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

Pos: 1500

Max: 1

Heading - Optional

Loop: N/A

Elements: 6

User Option (Usage): Used

To specify transportation instructions relating to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
FOB01	146	**Shipment Method of Payment**	M	ID	2/2	Must use	1

Description: Code identifying payment terms for transportation charges

Code	Name
CC	Collect
CD	Collect on Delivery
DF	Defined by Buyer and Seller
MX	Mixed
PC	Prepaid but Charged to Customer
PP	Prepaid (by Seller)

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

Description: Code identifying type of location

Code	Name
OR	Origin (Shipping Point)

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

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

FOB06	309	**Location Qualifier**	C	ID	1/2	Used	1

Description: Code identifying type of location

Code	Name
DE	Destination (Shipping)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
FOB07	352	**Description**	O	AN	1/80	Used	1

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

FOB09	352	**Description**	C	AN	1/80	Used	1

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

Syntax:

1. C0302 - If FOB03 is present, then all of FOB02 are required
2. C0405 - If FOB04 is present, then all of FOB05 are required
3. C0706 - If FOB07 is present, then all of FOB06 are required
4. C0809 - If FOB08 is present, then all of FOB09 are required

Loop IT1

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

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)	O	1		Used
0600		Loop PID	O		1000	Used
1800		Loop SAC	O		>1	Used

Note 1: FD SPECIFIC:
Credit lines CANNOT be sent on an invoice. Credits may only be issued through a credit memo. Loop IT1 is only optional for the NON-MERCHANDISE Invoice where the BIG07 is 26. You will get a rejected FA and the invoice will be rejected by the EDI translator if a negative sign is received in the IT1 SEGEMNT.

IT1   **Baseline Item Data (Invoice)**

Pos: 0100	
	Max: 1
Detail - Optional	
Loop: IT1	
	Elements: 9

User Option (Usage): Used

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	Repetition
IT101	350	**Assigned Identification**	O	AN	1/20	Used	1
		Description: Alphanumeric characters assigned for differentiation within a transaction set					
IT102	358	**Quantity Invoiced**	C	R	1/10	Used	1
		Description: Number of units invoiced (supplier units)					

> **CREDIT MEMO SPECIFIC:** This must be a positive number. If your system only handles negatives provide a mapping that would multiply this number by a -1.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
IT103	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Used	1
		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	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
IT104	212	**Unit Price**	C	R	1/17	Used	1
		Description: Price per unit of product, service, commodity, etc.					

> **Note 1: FD Specific: Gross Unit Price**
>
> **CREDIT MEMO SPECIFIC:** This must be a positive number. If your system only handles negatives provide a mapping that would multiply this number by a -1.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
IT105	639	**Basis of Unit Price Code**	O	ID	2/2	Used	1
		Description: Code identifying the type of unit price for an item					

Code	Name
UM	Price per Unit of Measure

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
IT106	235	**Product/Service ID Qualifier**	C	ID	2/2	Used	1
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)					

Code	Name
SK	Stock Keeping Unit (SKU)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
IT107	234	**Product/Service ID**	C	AN	1/17	Used	1
		Description: Identifying number for a product or service					
IT108	235	**Product/Service ID Qualifier**	C	ID	2/2	Used	1
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)					

Code	Name
UA	U.P.C./EAN Case Code (2-5-5)
UP	UCC – 12 (1-5-5-1)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
IT109	234	**Product/Service ID**	C	AN	1/17	Used	1
		Description: Identifying number for a product or service					

Syntax:
1.   P020304 - If either IT102,IT103,IT104 is present, then all are required
2.   P0607 - If either IT106,IT107 is present, then all are required
3.   P0809 - If either IT108,IT109 is present, then all are required
4.   P1011 - If either IT110,IT111 is present, then all are required
5.   P1213 - If either IT112,IT113 is present, then all are required
6.   P1415 - If either IT114,IT115 is present, then all are required
7.   P1617 - If either IT116,IT117 is present, then all are required
8.   P1819 - If either IT118,IT119 is present, then all are required
9.   P2021 - If either IT120,IT121 is present, then all are required
10.   P2223 - If either IT122,IT123 is present, then all are required
11.   P2425 - If either IT124,IT125 is present, then all are required

Comments:
1.   Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2.   IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

> **Note 1:** FD SPECIFIC:
> **Credit lines may NOT be sent on an invoice. Credits may only be issued through a credit memo with BIG07= 'CR'.**
>
> **Family Dollar requires that you use the UOM of Each or CASE**
> **We do not need the ITEM or CASE UPC if you can provide the family Dollar SKU Number provided on the 850. Either the ITEM or CASE UPC is required based on the UOM in case the SKU number is not provided. BOTH THE ITEM AND CASE UPC SHOULD NOT BE SEND IN ANY CASE.**
>
> **IF THE UOM IS EACH, AN ITEM UPC WITH A (UP) QUALIFIER IN THE 1-5-5-1 FORMAT IS REQUIRED**
> **IF THE UOM IS CASE, A CASE/SHIPPER UPC WITH A (UA) QUALIFIER IS REQUIRED IN THE 2-5-5 FORMAT.**
>
> **PLEASE ENSURE THAT YOU HAVE PROVIDED THE FAMILY DOLLAR MERCHANDISING DEPARTMENT WITH THE UPC FOR EACH ITEM. ALSO THE DEFAULT UOM ON THE 810'S IS THE UOM PROVIDED ON THE 850. IN CASE YOU WANT TO CHANGE THE UOM, THE APPROPRIATE ITEM/CASE UPC NEEDS TO BE PROVIDED AND THE UOM ON THE 850 WILL ALSO BE CHANGED.**

Loop PID

Pos: 0600	
	Repeat: 1000
	Mandatory
Loop: PID	
	Elements: N/A

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	O	1		Used

PID Product/Item Description

Pos: 0600

Max: 1

Detail - Optional

Loop: PID

Elements: 2

User Option (Usage): Used

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

Element Summary:

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

Description: Code indicating the format of a description

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
PID05	352	**Description**	C	AN	1/80	Used	1

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

Syntax:

1. C0403 - If PID04 is present, then all of PID03 are required
2. R0405 - At least one of PID04,PID05 is required
3. C0703 - If PID07 is present, then all of PID03 are required
4. C0804 - If PID08 is present, then all of PID04 are required
5. C0905 - If PID09 is present, then all of PID05 are required

Comments:

1. 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.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Loop SAC

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

Pos: 1800

Repeat: >1

Optional

Loop: SAC

Elements: N/A

</div>

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
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

Note 1: FD SPECIFIC:
YOU CANNOT SEND A NEGATIVE VALUE IN THE SAC SEGMENT. The allowance 'A' or charge 'C' indicator will alert FD as to how the dollar value should be handled.

If you require additional codes you must contact the Electronic Commerce Department at Family Dollar(vwali@familydollar.com)

SAC Service, Promotion, Allowance, or Charge Information

Pos: 1800
Max: 1

Detail - Optional

Loop: SAC
Elements: 4

User Option (Usage): Used

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	Repetition
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use	1

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

Code	Name
A	Allowance

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	C	ID	4/4	Used	1

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

Code	Name
A260	**Advertising Allowance**
A400	**Allowance Non-performance**
B210	**Co-op Credit**
B630	**Container/Trailer Allowance**
B720	**Cooperative Advertising/Merchandising Allowance (Performance)**
C320	**Display Allowance**
C540	**Early Buy Allowance**
D290	**Full Truckload Allowance**
E730	**New Item Allowance**
F280	**Performance Allowance**
F800	**Promotional Allowance**
F810	**Promotional Discount**
F910	**Quantity Discount**
I310	**Truckload Discount**
I530	**Volume Discount**

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
SAC05	610	**Amount**	O	N2	1/15	Used	1

Description: Monetary amount

| SAC08 | 118 | **Rate** | O | R | 1/9 | Used | 1 |

Description: Rate expressed in the standard monetary denomination for the currency specified

Syntax:

1. R0203 - At least one of SAC02,SAC03 is required
2. P0304 - If either SAC03,SAC04 is present, then all are required
3. P0607 - If either SAC06,SAC07 is present, then all are required
4. P0910 - If either SAC09,SAC10 is present, then all are required
5. C1110 - If SAC11 is present, then all of SAC10 are required
6. L130204 - If SAC13 is present, then at least one of SAC02,SAC04 is required
7. C1413 - If SAC14 is present, then all of SAC13 are required
8. C1615 - If SAC16 is present, then all of SAC15 are required

Comments:

1.   SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
2.   In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Note 1: FD SPECIFIC:
YOU CANNOT SEND A NEGATIVE VALUE IN THE SAC SEGMENT. The allowance 'A' or charge 'C' indicator will alert FD as to how the dollar value should be handled. Also all detail level allowances need to be added together as we are unable to handle multiple iterations of the SAC segment at this level.

If you require additional codes you must contact the Electronic Commerce department at Family Dollar.

TDS   Total Monetary Value Summary

Pos: 0100	**Max: 1**
Summary - Mandatory	
Loop: N/A	**Elements: 4**

User Option (Usage): Must use

To specify the total invoice discounts and amounts

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
TDS01	610	**Amount**	M	N2	1/15	Must use	1
		Description: Monetary amount					
		Note 1: INVOICE TOTAL(NET AMOUNT) [QUANTITY(IT102) * GROSS UNIT PRICE (IT104)] +CHARGES (SAC01=C) – ALLOWANCES (SACO1=A)					
TDS02	610	**Amount**	O	N2	1/15	Used	1
		Description: Monetary amount					
		Note 1: GROSS Invoice Amount =Unit quantity * unit cost (Gross)					
TDS03	610	**Amount**	O	N2	1/15	Used	1
		Description: Monetary amount					
		Note 1: This is the $ Amount of what Family Dollar is allowed to deduct from the vendor if paid within the vendor's terms. Example: 2%30 days on a $1000.00 invoice would be $20.00 User Note 2: This must be a positive number. If your system only handles negatives provide a mapping that would multiply this number by a -1.					
TDS04	610	**Amount**	O	N2	1/15	Used	1
		Description: Monetary amount					

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

Note 1. The 810 must resemble the paper copy submitted to Family Dollar Stores prior to the production of 810's. You will need to send the Detail SAC SEGMENT if you provide us an allowance and have gross and net cost.

CAD   Carrier Detail

Pos: 0300	
	Max: 1
Summary - Mandatory	
Loop: N/A	
	Elements: 2

User Option (Usage): Used

To specify transportation details for the transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
CAD05	387	**Routing**	C	AN	1/35	Used	1

  Description: Free-form description of the
  routing or requested routing for shipment, or
  the originating carrier's identity

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
CAD07	128	**Reference Identification Qualifier**	M	ID	2/3	Used	1

  Description: Code qualifying the Reference
  Identification

  Note 1: FD SPECIFIC:
  Bill of Lading not mandatory if it's vendor
  managed inventory at the store level or the
  invoice is not against a Family Dollar PO.

Code	Name
2I	**Tracking Number**
98	**Container/Packaging Specification Number**
BM	**Bill of Lading Number**
CN	**Carrier's Reference Number (PRO/Invoice)**

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
CAD08	127	**Reference Identification**	C	AN	1/30	Used	1

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

  Note 1: FD SPECIFIC:
  Vendor Bill of lading if it's a trailer then
  Number is the Container number
  & If it's a container Shipper tracking
  number for UPS/Air

Syntax:
1.   R0504 - At least one of CAD05,CAD04 is required
2.   C0708 - If CAD07 is present, then all of CAD08 are required

Loop SAC

<table>
<tr><td colspan="2">Pos: 0400</td></tr>
<tr><td></td><td align="right">Repeat: >1</td></tr>
<tr><td colspan="2" align="center">Optional</td></tr>
<tr><td colspan="2">Loop: SAC</td></tr>
<tr><td></td><td align="right">Elements: N/A</td></tr>
</table>

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

Note 1: FD SPECIFIC:
YOU CANNOT SEND A NEGATIVE VALUE IN THE SAC SEGMENT. The allowance 'A' or charge 'C' indicator will alert FD as to how the dollar value should be handled.

If you require additional codes you must contact the EDI department at Family Dollar (vwali@familydollar.com).

SAC

Service, Promotion, Allowance, or Charge Information

Pos: 0400

Max: 1

Summary - Optional

Loop: SAC

Elements: 4

User Option (Usage): Used

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	Repetition
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use	1

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

Code	Name
A	Allowance
C	Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
SAC02	1300	Service, Promotion, Allowance, or Charge Code	C	ID	4/4	Used	1

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

Code	Name
B785	**Coupon Reimbursement**
B950	**Damaged Merchandise**
C000	**Defective Allowance(Spoilage Allowance)**
C090	**Deposit Charges**
D240	**Freight**
D750	**Inbound Freight Charges**
E170	**Labeling**
E660	**Monthly Rental**
E720	**New Distribution Allowance**
E740	**New Store Allowance**
G960	**Slotting Allowance**
H750	**Tax - Sales Tax (State and Local)**
H850	**Tax**
D290	**Full Truckload Allowance**
HO80	**Special Freight Supplements**
I310	**Truckload Discount**

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
SAC05	610	Amount	O	N2	1/15	Used	1

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
SAC08	118	Rate	O	R	1/9	Used	1

Description: Rate expressed in the standard monetary denomination for the currency specified

Syntax:

1. R0203 - At least one of SAC02,SAC03 is required
2. P0304 - If either SAC03,SAC04 is present, then all are required
3. P0607 - If either SAC06,SAC07 is present, then all are required
4. P0910 - If either SAC09,SAC10 is present, then all are required

5. C1110 - If SAC11 is present, then all of SAC10 are required
6. L130204 - If SAC13 is present, then at least one of SAC02,SAC04 is required
7. C1413 - If SAC14 is present, then all of SAC13 are required
8. C1615 - If SAC16 is present, then all of SAC15 are required

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Note 1: FD SPECIFIC:
YOU CANNOT SEND A NEGATIVE VALUE IN THE SAC SEGMENT. The allowance 'A' or charge 'C' indicator will alert FD as to how the dollar value should be handled. Also all allowances and charges on the summary level should be separate and should not be added together for the entire invoice. In case the codes and amounts do not match the terms, the invoice will be rejected and an 864 message will be generated.

If you require additional codes you must contact the Electronic Commerce department at Family Dollar.

Loop ISS

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	O	1		Used

ISS   Invoice Shipment Summary

| Pos: 0600 |
| Max: 1 |
| **Summary - Optional** |
| Loop: ISS |
| Elements: 2 |

User Option (Usage): Used

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	Repetition
ISS01	382	**Number of Units Shipped**	C	R	1/10	Used	1
		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**	C	ID	2/2	Used	1
		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
LB	Pound
PC	Piece

Syntax:
1.   R010305 - At least one of ISS01,ISS03,ISS05 is required
2.   P0102 - If either ISS01,ISS02 is present, then all are required
3.   P0304 - If either ISS03,ISS04 is present, then all are required
4.   P0506 - If either ISS05,ISS06 is present, then all are required

CTT   **Transaction Totals**

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

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
CTT01	354	**Number of Line Items** **Description:** Total number of line items in the transaction set	M	N0	1/6	Must use	1

Syntax:
1.   P0304 - If either CTT03,CTT04 is present, then all are required
2.   P0506 - If either CTT05,CTT06 is present, then all are required

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

SE   Transaction Set Trailer

Pos: 0800
Max: 1
Summary - Mandatory
Loop: N/A
Elements: 2

User Option (Usage): Must use

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	Repetition
SE01	96	**Number of Included Segments** **Description:** Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use	1
SE02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use	1

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

GE   Functional Group Trailer

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

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Repetition
GE01	97	**Number of Transaction Sets Included** **Description:** Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use	1
GE02	28	**Group Control Number** **Description:** Assigned number originated and maintained by the sender	M	N0	1/9	Must use	1

Comments:
1. 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

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

User Option (Usage): Used

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

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