



810 Invoice

X12/V4010/810 : 810 Invoice

Version: 4.0 Draft

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Publication:	11/22/2022
Trading Partner:	Freight US Bank
Notes:	

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810 Invoice

Functional Group=IN

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

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
030	NTE	Note/Special Instruction	O	100			Must use
040	CUR	Currency	O	1			Must use
050	REF	Reference Identification	O	12			Must use
LOOP ID - N1					200		
070	N1	Name	O	1			Must use
090	N3	Address Information	O	2			Must use
100	N4	Geographic Location	O	1			Must use
110	REF	Reference Identification	O	12			Used
120	PER	Administrative Communications Contact	O	3			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Must use
140	DTM	Date/Time Reference	O	10			Must use
LOOP ID - N9					1		
240	N9	Reference Identification	O	1			Must use
250	MSG	Message Text	M	10			Must use

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - IT1					200000		
010	IT1	Baseline Item Data (Invoice)	C	1			Must use
015	QTY	Quantity	M	5		N2/015	Must use
040	TXI	Tax Information	O	10			Used
050	CTP	Pricing Information	O	25			Must use
LOOP ID - PID					1000		
060	PID	Product/Item Description	O	1			Used
120	REF	Reference Identification	O	>1			Used
LOOP ID - SAC					25		
180	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Must use
190	TXI	Tax Information	O	10			Used
LOOP ID - FA1					≥1		
350	FA1	Type of Financial Accounting Data	M	1			Must use

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
360	FA2	Accounting Data	M	>1			Must use

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	TDS	Total Monetary Value Summary	M	1			Must use
020	TXI	Tax Information	O	10			Used
035	AMT	Monetary Amount	O	>1			Must use
070	CTT	Transaction Totals	O	1		N3/070	Must use
080	SE	Transaction Set Trailer	M	1			Must use

Notes:

- 2/015 The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade-ins or returns.
- 3/070 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

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

Description: Code uniquely identifying a Transaction Set

Code List Summary (Total Codes: 298, Included: 1)

Code Name

810 Invoice

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) 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: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

User Option (Usage): Must use

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

Element Summary:

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

Description: Date expressed as CCYYMMDD

User Note 1: File creation date for this file.

BIG02	76	Invoice Number	M	AN	1/22	Must use
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Description: Identifying number assigned by issuer

User Note 1:

The unique Reference Number within Syncada associated with the related document, generally the Buyer's document (order or eBill) when the extract type is paid, accrual, or cycled. This identifier may be used as a cross reference to be reconciled with the document information provided on the Syncada Invoice Summary or Detail file.

BIG04	324	Purchase Order Number	O	AN	1/22	Must use
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Description: Identifying number for Purchase Order assigned by the orderer/purchaser

User Note 1: Syncada-created identifier that may be used to link all documents in this file together, since each document is presented within its own ST/SE loop.

BIG05	328	Release Number	O	AN	1/30	Must use
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Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction

User Note 1:

This data element is used to present the 'processing group type.' It is used to differentiate the method by which documents are extracted and the file is organized. It is used in conjunction with the BIG08 as is defined by the requestor of the file. It is only presented when the BIG08 is not equal to 'SU' (indicating the exchange purpose = 'Advice').

Limited to:

BILL-TO ACCOUNT NUMBER
ORGANIZATION

BIG08	353	Transaction Set Purpose Code	O	ID	2/2	Must use
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Description: Code identifying purpose of transaction set

User Note 1:

This data element is used to present the 'exchange purpose.' It is used to differentiate the method by which documents are extracted as defined by the receiver of the file. As explained in the Syncada Notes section, all outbound buyers' files will be sent as originals.

Limited to:

- 54 Approval - Syncada exchange purpose = 'Paid'
- 22 Information Copy - Syncada exchange purpose = 'Accrual'
- 53 Completion - Syncada exchange purpose = 'Cycled'
- SU Status Update - Syncada exchange purpose = 'Advice'
- 9 Not capable of taking action

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Code List Summary (Total Codes: 65, Included: 1)				
		Code		Name		
		53		Completion		
BIG10	76	Invoice Number	O	AN	1/22	Must use

Description: Identifying number assigned by issuer

User Note 1:

Syncada's account number for the party responsible for payment of the Summary Invoice presented on the Syncada website. It is only presented when BIG08 = '53', or when BIG05 = 'BILL-TO ACCOUNT NUMBER.'

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.
3. BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments:

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

NTE Note/Special Instruction

Pos: 030	Max: 100
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
NTE01	363	Note Reference Code	O	ID	3/3	Must use

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

Code List Summary (Total Codes: 241, Included: 13)

Code Name

- ADD Additional Information
- APN Application Notes
- CAR Other Related Information
- DOI Outcome Description
- GEN Entire Transaction Set
- GPI General Product or Process Information
- INV Invoice Instruction
- LIN Line Item
- ORI Order Instructions
- OTH Other Instructions
- PCS Process Specification
- PDS Product Specification
- PMT Payment

NTE02	352	Description	M	AN	1/80	Must use
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Description: A free-form description to clarify the related data elements and their content

User Note 1:

EBILL Used when the method of sourcing the eBill line items is the service charge details on the eBill line items; occurs only when NTE01 = "ADD"

GL CODE Used when the method of sourcing the eBill line items is the G/L Accounting details associated with the eBill line items; occurs only when NTE01 = "CAR"

User Note 2:

INVOICE Used when the document sourcing the service charge line items is an invoice; occurs only when NTE01 = "INV"

ORDER Used for paid, accrual, cycled or advice feeds when NTE01 = "LIN"

User Note 3: MERGED *Used for paid, accrual, cycled, or advice feeds when NTE01 = "PCS"*

DOCUMENT DETAIL Used when NTE01 = "PDS"

User Note 4: *Burlington Stores Inc (Weekly Detail NS Cycled PPO) Used to help differentiate multiple feeds of otherwise identical construction when NTE01 = "OTH".*

Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

CUR Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

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

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

Code List Summary (Total Codes: 1312, Included: 1)

<u>Code</u>	<u>Name</u>
ZZ	Mutually Defined

CUR02	100	Currency Code	M	ID	3/3	Must use
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Description: Code (Standard ISO) for country in whose currency the charges are specified

User Note 1: *Includes, but not restricted to:*

USD - U.S. Dollar

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

REF Reference Identification

Pos: 050	Max: 12
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

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

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 12)

Code Name

- 06 System Number
- 1Z Financial Detail Code
- 4C Shipment Destination Code
- 8X Transaction Category or Type
- BM Bill of Lading Number
- CO Customer Order Number
- IV Seller's Invoice Number
- PO Purchase Order Number
- RE Release Number
- TN Transaction Reference Number
- ZZ Mutually Defined
- ACC Status

REF02	127	Reference Identification	X	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: Syncada Document Type where REF01 = 8X

Limited to:

- ORDER
- BOL
- EBILL
- INVOICE
- PRO
- FEE
- SUPPLEMENTAL INVOICE

User Note 2: Limited to for REF01 = 06:

06 System Number

User Note 3: Syncada designated status for this document within the payment approval process where REF01 = IZ.

Limited to:

- PS Payment Settled
- PI Payment Initiated
- AE Audit Exception
- AF Approval Final

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		CA Cancelled				
		DN Denied				
		HD Held				
		ON Unmatched Buyer				
		OP Approval Required				
		MA Matched Buyer				
		User Note 4: Identifier of the mode of Transportation (Transportation) where REF01 = ZZ.				
		Included, but not limited to:				
		LT Less than truckload				
		M Motor freight				
		A Air freight				
		O Ocean				
		R Rail				
		HHG Household goods				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
		User Note 1:				
		Syncada Invoice Processing Model (Describes how orders and invoices interface with each other, or not and the party responsible for submitting the document when the order is not matched with the invoice) and REF01 = 8X. If REF02 = 'FEE' this value represents the fee description.				
		Limited to (for non-fee transactions):				
		MATCHING				
		BUYER SELF INVOICING				
		SELLER INVOICING				
		User Note 2:				
		For REF01 = 06:				
		This is the System ID used at the Customer's site for the source system used to send the document to Syncada. Documents entered through the Syncada User Interface will inherit the System ID associated with the organization owning payment responsibilities for this document.				
		User Note 3: For REF01 = IZ:				
		Financial Status Description as described in the REF02 immediately above.				

Syntax Rules:

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

Semantics:

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

Loop Name

Pos: 070	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Must use

Purpose: 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>
070	N1	Name	O	1		Must use
090	N3	Address Information	O	2		Must use
100	N4	Geographic Location	O	1		Must use
110	REF	Reference Identification	O	12		Used
120	PER	Administrative Communications Contact	O	3		Used

N1 Name

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

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

Element Summary:

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

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

Code List Summary (Total Codes: 1312, Included: 7)

<u>Code</u>	<u>Name</u>
BY	Buying Party (Purchaser)
PE	Payee
PR	Payer
RC	Receiving Location
SE	Selling Party
SF	Ship From
ST	Ship To

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

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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Description: Code designating the system/method of code structure used for Identification Code (67)

Code List Summary (Total Codes: 215, Included: 3)

<u>Code</u>	<u>Name</u>
1	D-U-N-S Number, Dun & Bradstreet
PI	Payor Identification
ZZ	Mutually Defined

N104	67	Identification Code	X	AN	2/80	Used
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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.
2. N105 and N106 further define the type of entity in N101.

N3 Address Information

Pos: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

User Option (Usage): Must use

Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use

Description: Address information

N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Must use
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is 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.

REF Reference Identification

Pos: 110	Max: 12
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

Element Summary:

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

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 5)

Code Name

1J	Facility ID Number
4M	Special Move Reference Number
BE	Business Activity
I5	Invoice Identification
LU	Location Number

REF02	127	Reference Identification	X	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

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

Semantics:

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

PER Administrative Communications Contact

Pos: 120	Max: 3
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	Must use

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

Code List Summary (Total Codes: 230, Included: 7)

Code Name

- CC Computer Systems Contact
- CN General Contact
- DC Delivery Contact
- OC Order Contact
- RE Receiving Contact
- SH Shipper Contact
- SU Supplier Contact

PER02	93	Name	O	AN	1/60	Must use
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Description: Free-form name

PER03	365	Communication Number Qualifier	X	ID	2/2	Must use
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Description: Code identifying the type of communication number

Code List Summary (Total Codes: 40, Included: 1)

Code Name

- TE Telephone

PER04	364	Communication Number	X	AN	1/80	Must use
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Description: Complete communications number including country or area code when applicable

Syntax Rules:

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

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD02	333	Terms Basis Date Code	O	ID	1/2	Must use

Description: Code identifying the beginning of the terms period

Code List Summary (Total Codes: 17, Included: 6)

<u>Code</u>	<u>Name</u>
3	Invoice Date
4	Specified Date
7	Effective Date
11	Completion And Acceptance Date
16	Quarter Start Date
ZZ	Mutually Defined

ITD06	446	Terms Net Due Date	O	DT	8/8	Must use
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Description: Date when total invoice amount becomes due expressed in format CCYYMMDD

User Note 1: Limited to ITD02 = 11:
 Date on which Syncada recognized the completion of the service as defined by the business rules associated with this document.

User Note 2: Limited to ITD02 = 16:
 Start of period within which documents are selected for this output file.

User Note 3: Limited to ITD02 = ZZ:
 End of period within which documents are selected for this output file.

Syntax Rules:

- L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
- L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
- L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

- ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

- 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.

DTM Date/Time Reference

Pos: 140	Max: 10
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

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

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

Code List Summary (Total Codes: 1112, Included: 11)

<u>Code</u>	<u>Name</u>
002	Delivery Requested
003	Invoice
004	Purchase Order
007	Effective
011	Shipped
013	Terms Net Due
035	Delivered
095	Bill of Lading
097	Transaction Creation
118	Requested Pick-up
COM	Compliance

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

DTM03	337	Time	X	TM	4/8	Used
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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)

Syntax Rules:

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

Loop Reference Identification

Pos: 240	Repeat: 1
Optional	
Loop: N9	Elements: N/A

User Option (Usage): Must use

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

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>
240	N9	Reference Identification	O	1		Must use
250	MSG	Message Text	M	10		Must use

N9 Reference Identification

Pos: 240	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User Option (Usage): Must use

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 1)

Code Name

ZZ Mutually Defined

N902	127	Reference Identification	X	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

MSG Message Text

Pos: 250	Max: 10
Heading - Mandatory	
Loop: N9	Elements: 1

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MSG01	933	Free-Form Message Text	M	AN	1/264	Must use

Description: Free-form message text

Syntax Rules:

1. C0302 - If MSG03 is present, then MSG02 is required.

Semantics:

1. MSG03 is the number of lines to advance before printing.

Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2. If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Loop Baseline Item Data (Invoice)

Pos: 010	Repeat: 200000
Optional	
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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	IT1	Baseline Item Data (Invoice)	C	1		Must use
015	QTY	Quantity	M	5		Must use
040	TXI	Tax Information	O	10		Used
050	CTP	Pricing Information	O	25		Must use
060		Loop PID	O		1000	Used
120	REF	Reference Identification	O	>1		Used
180		Loop SAC	O		25	Used
350		Loop FA1	M		>1	Used

IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Conditional	
Loop: IT1	Elements: 10

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT101	350	Assigned Identification	O	AN	1/20	Must use
Description: Alphanumeric characters assigned for differentiation within a transaction set						
IT102	358	Quantity Invoiced	X	R	1/10	Must use
Description: Number of units invoiced (supplier units)						
IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Must use
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
User Note 1: <i>The actual 'unit of basis for measurement code' for a line item is written to the CTP05. A value of 'EA' is always written to this data element (IT103) to conform with the syntax requirements for the IT1 segment.</i>						
Code List Summary (Total Codes: 794, Included: 1)						
<u>Code</u> <u>Name</u>						
EA Each						
IT104	212	Unit Price	X	R	1/17	Must use
Description: Price per unit of product, service, commodity, etc.						
User Note 1: <i>Total price for this line item (order/invoice line item or service charge line item). The sum of all the IT104 dollars for this document will equal the amount in the TDS01 for this document.</i>						
<i>Goods and Services: if line item taxes apply to the product line, the amount of the product and the amount of the line item tax will be added together and presented in the IT104.</i>						
IT110	235	Product/Service ID Qualifier	X	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code List Summary (Total Codes: 477, Included: 1)						
<u>Code</u> <u>Name</u>						
VN Vendor's (Seller's) Item Number						
IT111	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service						
User Note 1: <i>If the value in the IT113 = 'Freight' this data element will be set to '400'.</i>						
IT112	235	Product/Service ID Qualifier	X	ID	2/2	Must use
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						

Code List Summary (Total Codes: 477, Included: 1)

Code Name

KF Item Type Number

IT113 234 **Product/Service ID** X AN 1/48 Must use

Description: Identifying number for a product or service

User Note 1: *Limited to:*

FREIGHT Transportation documents only

PRODUCT Goods and Services documents only

TAX Goods and Services documents only

SERVICE CHARGE Applies to all documents because the Accessorial View of this product offering for Transportation documents supports this line type.

EBILL Transportation only

FEE

IT114 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)

User Note 1: *Limited To:*

OT Internal Number (Transportation))

ZZ Mutually Defined (Goods and Services)

Code List Summary (Total Codes: 477, Included: 2)

Code Name

OT Internal Number

ZZ Mutually Defined

IT115 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

User Note 1:

When IT114 = 'OT,' this date element presents the stop off number presented in the associated N106 where that segment's N101 = 'RC.'

When IT114 = 'ZZ,' this date element presents the industry tied to this document (e.g. Household Goods).

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.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

Semantics:

1. IT101 is the purchase order line item identification.

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.

QTY Quantity

Pos: 015	Max: 5
Detail - Mandatory	
Loop: IT1	Elements: 3

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
QTY01	673	Quantity Qualifier	M	ID	2/2	Must use

Description: Code specifying the type of quantity

Code List Summary (Total Codes: 832, Included: 7)

Code	Name
12	Ship Notice Quantity
38	Original Quantity
39	Shipped Quantity
63	On Order Quantity
OC	Order Count
T5	Total Number of Units
TO	Total

QTY03	C001	Composite Unit of Measure	O	Comp		Must use
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Description: To identify a composite unit of measure

(See Figures Appendix for examples of use)

Comments:

1. If C001-02 is not used, its value is to be interpreted as 1.
2. If C001-03 is not used, its value is to be interpreted as 1.
3. If C001-05 is not used, its value is to be interpreted as 1.
4. If C001-06 is not used, its value is to be interpreted as 1.
5. If C001-08 is not used, its value is to be interpreted as 1.
6. If C001-09 is not used, its value is to be interpreted as 1.
7. If C001-11 is not used, its value is to be interpreted as 1.
8. If C001-12 is not used, its value is to be interpreted as 1.
9. If C001-14 is not used, its value is to be interpreted as 1.
10. If C001-15 is not used, its value is to be interpreted as 1.

QTY03-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code List Summary (Total Codes: 794, Included: 1)

Code	Name
ZZ	Mutually Defined

QTY03-03	649	Multiplier	O	R	1/10	Must use
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Description: Value to be used as a multiplier to obtain a new value

QTY04	61	Free-Form Message	X	AN	1/30	Must use
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Description: Free-form information

Syntax Rules:

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

Semantics:

1. QTY04 is used when the quantity is non-numeric.

TXI Tax Information

Pos: 040	Max: 10
Detail - Optional	
Loop: IT1	Elements: 10

User Option (Usage): Used

Purpose: To specify tax information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TXI01	963	Tax Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of tax				
TXI02	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
TXI03	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
		Description: Code identifying the source of the data used in tax jurisdiction code				
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
		Description: Code identifying the taxing jurisdiction				
TXI06	441	Tax Exempt Code	X	ID	1/1	Used
		Description: Code identifying exemption status from sales and use tax				
TXI07	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities				
		User Note 1: <i>Limited to:</i>				
		A Add				
TXI08	828	Dollar Basis For Percent	O	R	1/9	Used
		Description: Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	Tax Identification Number	O	AN	1/20	Used
		Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				
TXI10	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.

3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

CTP Pricing Information

Pos: 050	Max: 25
Detail - Optional	
Loop: IT1	Elements: 7

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

User Note 1:

Data element 355, as used twice in this segment, refers to Goods and Services documents only. The unit of measure information for Transportation documents is presented in the REF 'Rated Unit of Measure' segment. See that segment for details.

User Note 2:

This represents data from the Invoice - Goods and Services
 Example (single quantity, no discount): CTP**INV*10.00*5*EA***50.00
 Example (single quantity with discount): CTP**INV*10.00*5*EA*DIS*0.9*45.00
 Example (multiple quantity): CTP**INV*1.00*5*PD|||DA||10***50.00
 Example (multiple quantity with discount): CTP**INV*1.00*5*PD|||DA||10*DIS*0.9*50.00

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP02	236	Price Identifier Code	X	ID	3/3	Must use

Description: Code identifying pricing specification

Code List Summary (Total Codes: 164, Included: 3)

Code Name

- ALT Alternate Price
- INV Invoice Billing Price
- OPP Original Purchase Order Price

CTP03	212	Unit Price	X	R	1/17	Must use
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Description: Price per unit of product, service, commodity, etc.

CTP04	380	Quantity	X	R	1/15	Must use
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Description: Numeric value of quantity

User Note 1: If two quantities are used to calculate the price, this represents the first of the two quantities. If only one quantity is used, it is found here.

CTP05	C001	Composite Unit of Measure	X	Comp		Must use
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Description: To identify a composite unit of measure

(See Figures Appendix for examples of use)

Comments:

1. If C001-02 is not used, its value is to be interpreted as 1.
2. If C001-03 is not used, its value is to be interpreted as 1.
3. If C001-05 is not used, its value is to be interpreted as 1.
4. If C001-06 is not used, its value is to be interpreted as 1.
5. If C001-08 is not used, its value is to be interpreted as 1.
6. If C001-09 is not used, its value is to be interpreted as 1.
7. If C001-11 is not used, its value is to be interpreted as 1.

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		8. If C001-12 is not used, its value is to be interpreted as 1. 9. If C001-14 is not used, its value is to be interpreted as 1. 10. If C001-15 is not used, its value is to be interpreted as 1.				
CTP05-01	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				
		Code List Summary (Total Codes: 794, Included: 1)				
		Code Name				
		ZZ Mutually Defined				
CTP06	648	Price Multiplier Qualifier	O	ID	3/3	Used
		Description: Code indicating the type of price multiplier				
		Code List Summary (Total Codes: 6, Included: 1)				
		Code Name				
		DIS Discount Multiplier				
CTP07	649	Multiplier	X	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
CTP08	782	Monetary Amount	O	R	1/18	Must use
		Description: Monetary amount				

Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 is required.

Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Loop Product/Item Description

Pos: 060	Repeat: 1000
Optional	
Loop: PID	Elements: N/A

User Option (Usage): Used

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

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>
060	PID	Product/Item Description	O	1		Used

PID Product/Item Description

Pos: 060	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	Must use
		Description: Code indicating the format of a description				
PID05	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

Syntax Rules:

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

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. 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.
4. PID09 is used to identify the language being used in PID05.

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.

REF Reference Identification

Pos: 120	Max: >1
Detail - Optional	
Loop: IT1	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

Element Summary:

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

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 10)

<u>Code</u>	<u>Name</u>
19	Division Identifier
6R	Provider Control Number
9F	Referral Number
CT	Contract Number
DO	Delivery Order Number
FJ	Line Item Control Number
L1	Letters or Notes
PG	Product Group
PO	Purchase Order Number
ZZ	Mutually Defined

REF02	127	Reference Identification	X	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: Limited to when REF01 = "ZZ" :

INF Informational item

LOT Lot based item

MRC Monthly-recurring charge

NRC Non-recurring charge

OTC One-time charge

USG Usage based line item

Syntax Rules:

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

Semantics:

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

Loop Service, Promotion, Allowance, or Charge Information

Pos: 180	Repeat: 25
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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
180	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Must use
190	TXI	Tax Information	O	10		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 180	Max: 1
Detail - Optional	
Loop: SAC	Elements: 11

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use
Description: Code which indicates an allowance or charge for the service specified						
Code List Summary (Total Codes: 7, Included: 1)						
<u>Code</u> <u>Name</u>						
S Service						
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
Description: Code identifying the service, promotion, allowance, or charge						
SAC03	559	Agency Qualifier Code	X	ID	2/2	Must use
Description: Code identifying the agency assigning the code values						
Code List Summary (Total Codes: 176, Included: 1)						
<u>Code</u> <u>Name</u>						
ZZ Mutually Defined						
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN	1/10	Must use
Description: Agency maintained code identifying the service, promotion, allowance, or charge						
User Note 1: <i>This element represents the service charge code stored in Syncada for the line item referenced in the IT101.</i>						
<i>This element is used for Transportation line items only.</i>						
SAC05	610	Amount	O	N2	1/15	Used
Description: Monetary amount						
SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Used
Description: Code indicating on what basis allowance or charge percent is calculated						
SAC07	332	Percent	X	R	1/6	Used
Description: Percent expressed as a percent						
SAC08	118	Rate	O	R	1/9	Used
Description: Rate expressed in the standard monetary denomination for the currency specified						
SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code List Summary (Total Codes: 794, Included: 1)				
		Code Name				
		DO Dollars, U.S.				
SAC10	380	Quantity	X	R	1/15	Must use
		Description: Numeric value of quantity				
SAC15	352	Description	X	AN	1/80	Must use
		Description: A free-form description to clarify the related data elements and their content				
		User Note 1: <i>This represents the description of a service charge.</i>				
		<i>This element is used for Transportation line items only.</i>				

Syntax Rules:

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

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in 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.

TXI Tax Information

Pos: 190	Max: 10
Detail - Optional	
Loop: SAC	Elements: 8

User Option (Usage): Used

Purpose: To specify tax information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TXI01	963	Tax Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of tax				
TXI02	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
TXI03	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
		Description: Code identifying the source of the data used in tax jurisdiction code				
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
		Description: Code identifying the taxing jurisdiction				
TXI06	441	Tax Exempt Code	X	ID	1/1	Used
		Description: Code identifying exemption status from sales and use tax				
TXI07	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities				
		User Note 1: <i>Limited to:</i>				
		A Add				
TXI09	325	Tax Identification Number	O	AN	1/20	Used
		Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Loop Type of Financial Accounting Data

Pos: 350	Repeat: >1
Mandatory	
Loop: FA1	Elements: N/A

User Option (Usage): Used

Purpose: To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation

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>
350	FA1	Type of Financial Accounting Data	M	1		Must use
360	FA2	Accounting Data	M	>1		Must use

FA1 Type of Financial Accounting Data

Pos: 350	Max: 1
Detail - Mandatory	
Loop: FA1	Elements: 1

User Option (Usage): Must use

Purpose: To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation

User Note 1:

1 FA101 Identifies the organization controlling the assignment of financial accounting information.
 2 FA102 Identifies the purpose of the accounting allowance or charge information.
 Comments: This segment is not used for a service charge line item for a Transportation document (i.e. IT113 = 'Service Charge Line Item') because Syncada does not associate general ledger account numbers with service charges.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FA101	559	Agency Qualifier Code	M	ID	2/2	Must use

Description: Code identifying the agency assigning the code values

User Note 1:

1 FA101 Identifies the organization controlling the assignment of financial accounting information.
 2 FA102 Identifies the purpose of the accounting allowance or charge information.
 Comments: This segment is not used for a service charge line item for a Transportation document (i.e. IT113 = 'Service Charge Line Item') because Syncada does not associate general ledger account numbers with service charges.

Code List Summary (Total Codes: 176, Included: 1)

Code Name

ZZ Mutually Defined

Semantics:

1. FA101 Identifies the organization controlling the assignment of financial accounting information.
2. FA102 Identifies the purpose of the accounting allowance or charge information.

FA2 Accounting Data

Pos: 360	Max: >1
Detail - Mandatory	
Loop: FA1	Elements: 2

User Option (Usage): Must use
Purpose: To specify the detailed accounting data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FA201	1196	Breakdown Structure Detail Code	M	ID	2/2	Must use

Description: Codes identifying details relating to a reporting breakdown structure tree

User Note 1:

This element is taken from the segment qualifier for the g/l account number assigned to this line item. See the FA202 description for the use of an '84' in this data element.

Code List Summary (Total Codes: 166, Included: 2)

<u>Code</u>	<u>Name</u>
84	Total Direct Costs
ZZ	Mutually Defined

FA202	1195	Financial Information Code	M	AN	1/80	Must use
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Description: Code representing financial accounting information

User Note 1:

This element represents the g/l account number related to the segment qualifier in the FA201. When '84' is used in the FA201, the FA202 represents the total dollars to be charged to the g/l account number in the previous FA2 segment (see example below). For Transportation documents, this total amount represents the sum of this g/l account number's linehaul charges plus this g/l account number's pro-rata allocation of the sum of all the service charge dollars for this document. For both Goods and Services and Transportation documents, the sum of all the FA202 dollars (where FA201 = '84') for this document will equal the amount in the TDS01 for this document. See comments section above noting that this segment is not used for service charge line items on Transportation documents.

TDS Total Monetary Value Summary

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 1

User Option (Usage): Must use

Purpose: To specify the total invoice discounts and amounts

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDS01	610	Amount	M	N2	1/15	Must use

Description: Monetary amount

User Note 1: Sum of all line items/service charges for this document (i.e. all information between the ST and SE loops.

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.

TXI Tax Information

Pos: 020	Max: 10
Summary - Optional	
Loop: N/A	Elements: 10

User Option (Usage): Used

Purpose: To specify tax information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TXI01	963	Tax Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of tax				
TXI02	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
TXI03	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
		Description: Code identifying the source of the data used in tax jurisdiction code				
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
		Description: Code identifying the taxing jurisdiction				
TXI06	441	Tax Exempt Code	X	ID	1/1	Used
		Description: Code identifying exemption status from sales and use tax				
TXI07	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities				
TXI08	828	Dollar Basis For Percent	O	R	1/9	Used
		Description: Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	Tax Identification Number	O	AN	1/20	Used
		Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				
TXI10	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

AMT Monetary Amount

Pos: 035	Max: >1
Summary - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Must use

Purpose: To indicate the total monetary amount

User Note 1:

This amount represents the total of all 810 invoices created for this file creation request.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT01	522	Amount Qualifier Code	M	ID	1/3	Must use

Description: Code to qualify amount

Code List Summary (Total Codes: 1473, Included: 1)

<u>Code</u>	<u>Name</u>
2	Batch Total

AMT02	782	Monetary Amount	M	R	1/18	Must use
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Description: Monetary amount

User Note 1: *Sum of all line items/service charges across all documents in this file. In other words, the sum of all TDS01s. This segment is used for balancing purposes when all the documents in the file are tied back against a pre-determined total.*

AMT03	478	Credit/Debit Flag Code	O	ID	1/1	Must use
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Description: Code indicating whether amount is a credit or debit

User Note 1: *Limited to:*

C	Credit
D	Debit

All valid standard codes are used. (Total Codes: 2)

CTT Transaction Totals

Pos: 070	Max: 1
Summary - Optional	
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:

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

Description: Total number of line items in the transaction set

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

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

SE Transaction Set Trailer

Pos: 080	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

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