

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.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	ST	Transaction Set Header	M	1			Must use
0200	BIG	Beginning Segment for Invoice	M	1			Must use
0400	CUR	Currency	O	1			Used
0500	REF	Reference Identification	O	12			Used
LOOP ID - N1					200		
0700	N1	Name	O	1			Used
0800	N2	Additional Name Information	O	2			Used
0900	N3	Address Information	O	2			Used
1000	N4	Geographic Location	O	1			Used
1200	PER	Administrative Communications Contact	O	3			Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
1500	FOB	F.O.B. Related Instructions	O	1			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - IT1					200000		
0100	IT1	Baseline Item Data (Invoice)	O	1			Used
0400	TXI	Tax Information	O	>1			Used
LOOP ID - PID					1000		
0600	PID	Product/Item Description	O	1			Used
1200	REF	Reference Identification	O	>1			Used
1500	DTM	Date/Time Reference	O	10			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	TDS	Total Monetary Value Summary	M	1			Must use
0300	CAD	Carrier Detail	O	1			Used
LOOP ID - SAC					≥1		
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
LOOP ID - TXI					≥1		
0500	TXI	Tax Information	O	1			Used
0800	SE	Transaction Set Trailer	M	1			Must use

ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

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 Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Must use
		<u>Code</u> <u>Name</u> 810 Invoice				
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 <i>Must be unique within the group.</i>	M	AN	4/9	Must use

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

BIG Beginning Segment for Invoice

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

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 Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M	DT	8/8	Must use										
BIG02	76	Invoice Number Description: Identifying number assigned by issuer <i>Control number for this document.</i>	M	AN	1/22	Must use										
BIG04	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	O	AN	1/22	Used										
BIG07	640	Transaction Type Code Description: Code specifying the type of transaction <i>Codes other than "PR" may not be processed by all roads. Please verify whether an invoice type can be processed before sending.</i> <i>Only the following codes will be accepted:</i>	O	ID	2/2	Must use										
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CO</td> <td>Corrected <i>Indicates that this document replaces a previously transmitted invoice. A REF segment with code "OI" is required.</i></td> </tr> <tr> <td>CR</td> <td>Credit Memo <i>Indicates that this document is a credit adjustment to a previously transmitted document. Since this code clearly indicates the negative aspect of this document, the Quantity Invoiced (IT102) and Unit Price (IT104) must be unsigned. An REF segment with REF01 = "OI" is required.</i></td> </tr> <tr> <td>DR</td> <td>Debit Memo <i>Indicates that this document is a debit adjustment to a previously transmitted document. An REF segment with REF01 = "OI" is required.</i></td> </tr> <tr> <td>PR</td> <td>Product (or Service) <i>Indicates that this is an original invoice.</i></td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CO	Corrected <i>Indicates that this document replaces a previously transmitted invoice. A REF segment with code "OI" is required.</i>	CR	Credit Memo <i>Indicates that this document is a credit adjustment to a previously transmitted document. Since this code clearly indicates the negative aspect of this document, the Quantity Invoiced (IT102) and Unit Price (IT104) must be unsigned. An REF segment with REF01 = "OI" is required.</i>	DR	Debit Memo <i>Indicates that this document is a debit adjustment to a previously transmitted document. An REF segment with REF01 = "OI" is required.</i>	PR	Product (or Service) <i>Indicates that this is an original invoice.</i>				
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PR	Product (or Service) <i>Indicates that this is an original invoice.</i>															

Semantics:

- BIG01 is the invoice issue date.
- BIG03 is the date assigned by the purchaser to purchase order.
- BIG10 is the consolidated invoice number associated with the invoice identified in BIG02. When BIG07 contains code CI (Consolidated Invoice), BIG02 will contain the consolidated invoice number and BIG10 is not used.

Comments:

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

CUR Currency

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

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						
<p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p><i>Only the following code will be accepted:</i></p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>SE</td> <td>Selling Party</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	SE	Selling Party		
<u>Code</u>	<u>Name</u>											
SE	Selling Party											
CUR02	100	Currency Code	M	ID	3/3	Must use						
<p>Description: Code (Standard ISO) for country in whose currency the charges are specified</p> <p><i>Only the following codes will be accepted:</i></p> <table border="1"> <tbody> <tr> <td>CAD</td> <td>Canadian Dollar</td> </tr> <tr> <td>MXP</td> <td>Mexican Peso</td> </tr> <tr> <td>USD</td> <td>US Dollar</td> </tr> </tbody> </table>							CAD	Canadian Dollar	MXP	Mexican Peso	USD	US Dollar
CAD	Canadian Dollar											
MXP	Mexican Peso											
USD	US Dollar											

Syntax:

1. CUR08 C0807 -- If CUR08 is present, then CUR07 is required
2. CUR09 C0907 -- If CUR09 is present, then CUR07 is required
3. CUR10 L101112 -- If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. CUR11 C1110 -- If CUR11 is present, then CUR10 is required
5. CUR12 C1210 -- If CUR12 is present, then CUR10 is required
6. CUR13 L131415 -- If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. CUR14 C1413 -- If CUR14 is present, then CUR13 is required
8. CUR15 C1513 -- If CUR15 is present, then CUR13 is required
9. CUR16 L161718 -- If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. CUR17C1716 -- If CUR17 is present, then CUR16 is required
11. CUR18C1816 -- If CUR18 is present, then CUR16 is required
12. CUR19L192021 -- If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. CUR20C2019 -- If CUR20 is present, then CUR19 is required
14. CUR21C2119 -- If CUR21 is present, then CUR19 is required

Comments:

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

This segment must be sent if the invoice is payable in funds different from the native funds of the purchaser.

REF Reference Identification

Pos: 0500	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

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 Name				
		GT Goods and Service Tax Registration Number				
		<i>GST Registration Number of Payee</i>				
		OI Original Invoice Number				
REF02	127	Reference Identification	C	AN	1/50	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
		<i>If REF01 = "OI", this number must consist of the concatenation of the original invoice Date BIG01 and the original Invoice Number BIG02 - No embedded blanks (i.e., CCYYMMDDNNNNNN...).</i>				

Syntax:

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

Semantics:

- REF04 contains data relating to the value cited in REF02.
If this invoice is for material purchased and used in Canada, an occurrence of the REF segment is required with REF01 = "GT".

N1 Name

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

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 Description: Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>RI</td> <td>Remit To</td> </tr> <tr> <td>SF</td> <td>Ship From</td> </tr> <tr> <td>ST</td> <td>Ship To</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	RI	Remit To	SF	Ship From	ST	Ship To				
<u>Code</u>	<u>Name</u>													
RI	Remit To													
SF	Ship From													
ST	Ship To													
N102	93	Name Description: Free-form name	C	AN	1/60	Used								
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <i>N103 is required in the N1 loop where N101 equals "RE". N103 will be ignored in all other N1 loops.</i>	C	ID	1/2	Used								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's Agent</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer or Buyer's Agent								
<u>Code</u>	<u>Name</u>													
92	Assigned by Buyer or Buyer's Agent													
N104	67	Identification Code Description: Code identifying a party or other code <i>N104 is required in the N1 loop where N101 equals "RE". N104 will be ignored in all other N1 loops.</i>	C	AN	2/80	Used								

Syntax:

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

Three N1 loops are required for each invoice: one for N101 = "RI", "SF", and "ST".

The use of various segments and elements for each of the loops can be found in Table II of the Appendix.

N2 Additional Name Information

Pos: 0800	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

To specify additional names

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>
N201	93	Name Description: Free-form name	M	AN	1/60	Must use
N202	93	Name Description: Free-form name	O	AN	1/60	Used

See Table II of the Appendix.

N3 Address Information

Pos: 0900	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

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 Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

See Table II of the Appendix.

N4 Geographic Location

Pos: 1000	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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 Description: Free-form text for city name	O	AN	2/30	Must use
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency <i>Code values conform to the standard postal abbreviations. See Table III of the Appendix for the US state codes and Canadian provinces.</i>	C	ID	2/2	Must use
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States) <i>Nine digit zip codes are strongly recommended.</i>	O	ID	3/15	Used
N404	26	Country Code Description: Code identifying the country <i>Assume to be "US" when not present.</i> <i>CA Canada</i> <i>MX Mexico</i> <i>US United States</i>	C	ID	2/3	Used

Syntax:

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

See Table II of the Appendix.

PER Administrative Communications Contact

Pos: 1200	Max: 3
Heading - Optional	
Loop: N1	Elements: 8

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 Description: Code identifying the major duty or responsibility of the person or group named	M	ID	2/2	Must use								
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>AR</td> <td>Accounts Receivable Department</td> </tr> </table>	<u>Code</u>	<u>Name</u>	AR	Accounts Receivable Department								
<u>Code</u>	<u>Name</u>													
AR	Accounts Receivable Department													
PER02	93	Name Description: Free-form name	O	AN	1/60	Must use								
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number	C	ID	2/2	Used								
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>EM</td> <td>Electronic Mail</td> </tr> <tr> <td>FX</td> <td>Facsimile</td> </tr> <tr> <td>TE</td> <td>Telephone</td> </tr> </table>	<u>Code</u>	<u>Name</u>	EM	Electronic Mail	FX	Facsimile	TE	Telephone				
<u>Code</u>	<u>Name</u>													
EM	Electronic Mail													
FX	Facsimile													
TE	Telephone													
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/256	Used								
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number	C	ID	2/2	Used								
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>EM</td> <td>Electronic Mail</td> </tr> <tr> <td>FX</td> <td>Facsimile</td> </tr> <tr> <td>TE</td> <td>Telephone</td> </tr> </table>	<u>Code</u>	<u>Name</u>	EM	Electronic Mail	FX	Facsimile	TE	Telephone				
<u>Code</u>	<u>Name</u>													
EM	Electronic Mail													
FX	Facsimile													
TE	Telephone													
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/256	Used								
PER07	365	Communication Number Qualifier Description: Code identifying the type of communication number	C	ID	2/2	Used								
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>EM</td> <td>Electronic Mail</td> </tr> <tr> <td>FX</td> <td>Facsimile</td> </tr> <tr> <td>TE</td> <td>Telephone</td> </tr> </table>	<u>Code</u>	<u>Name</u>	EM	Electronic Mail	FX	Facsimile	TE	Telephone				
<u>Code</u>	<u>Name</u>													
EM	Electronic Mail													
FX	Facsimile													
TE	Telephone													
PER08	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/256	Used								

Syntax:

1. PER03 P0304 -- If either PER03 or PER04 are present, then the others are required.

2. PER05 P0506 -- If either PER05 or PER06 are present, then the others are required.
3. PER07 P0708 -- If either PER07 or PER08 are present, then the others are required.

See Table II of the Appendix.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: >1
Heading - Optional	
Loop: N/A	Elements: 6

To specify terms of sale

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
ITD01	336	Terms Type Code Description: Code identifying type of payment terms <i>Only the following codes will be accepted:</i>	O	ID	2/2	Must use								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>05</td> <td>Discount Not Applicable</td> </tr> <tr> <td>08</td> <td>Basic Discount Offered</td> </tr> <tr> <td>09</td> <td>Proximo</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	05	Discount Not Applicable	08	Basic Discount Offered	09	Proximo				
<u>Code</u>	<u>Name</u>													
05	Discount Not Applicable													
08	Basic Discount Offered													
09	Proximo													
ITD02	333	Terms Basis Date Code Description: Code identifying the beginning of the terms period <i>Only the following codes will be accepted:</i>	O	ID	1/2	Must use								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>3</td> <td>Invoice Date</td> </tr> <tr> <td>5</td> <td>Invoice Receipt Date</td> </tr> <tr> <td>6</td> <td>Anticipated Delivery Date</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	3	Invoice Date	5	Invoice Receipt Date	6	Anticipated Delivery Date				
<u>Code</u>	<u>Name</u>													
3	Invoice Date													
5	Invoice Receipt Date													
6	Anticipated Delivery Date													
ITD03	338	Terms Discount Percent 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 <i>Must not exceed 100%. 2% = 2 or 2.0</i>	O	R	1/6	Used								
ITD05	351	Terms Discount Days Due Description: Number of days in the terms discount period by which payment is due if terms discount is earned	C	N0	1/3	Used								
ITD07	386	Terms Net Days Description: Number of days until total invoice amount is due (discount not applicable)	O	N0	1/3	Used								
ITD13	765	Day of Month Description: The numeric value of the day of the month between 1 and the maximum day of the month being referenced	C	N0	1/2	Used								

Syntax:

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

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.

The following explains the use of the elements and codes:

If ITD01 = "05"

ITD07 is required

ITD03, ITD05 and ITD13 must not be sent

IF ITD01 = "08"

ITD03, ITD05, and ITD07 are required

ITD13 must not be sent

ITD03 must be greater than zero

If ITD01 = "09"

ITD13 is required

ITD03 is required for other than net proximo terms

ITD05 and ITD07 must not be sent

FOB F.O.B. Related Instructions

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

To specify transportation instructions relating to shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>														
FOB01	146	Shipment Method of Payment Description: Code identifying payment terms for transportation charges	M	ID	2/2	Must use														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CC</td> <td>Collect</td> </tr> <tr> <td>DF</td> <td>Defined by Buyer and Seller</td> </tr> <tr> <td colspan="2"><i>Code "DF" indicates that the method of payment is not specified.</i></td> </tr> <tr> <td>PC</td> <td>Prepaid but Charged to Customer</td> </tr> <tr> <td>PP</td> <td>Prepaid (by Seller)</td> </tr> <tr> <td>PU</td> <td>Pickup</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CC	Collect	DF	Defined by Buyer and Seller	<i>Code "DF" indicates that the method of payment is not specified.</i>		PC	Prepaid but Charged to Customer	PP	Prepaid (by Seller)	PU	Pickup				
<u>Code</u>	<u>Name</u>																			
CC	Collect																			
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<i>Code "DF" indicates that the method of payment is not specified.</i>																				
PC	Prepaid but Charged to Customer																			
PP	Prepaid (by Seller)																			
PU	Pickup																			
FOB06	309	Location Qualifier Description: Code identifying type of location	C	ID	1/2	Used														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CI</td> <td>City</td> </tr> <tr> <td>DE</td> <td>Destination (Shipping)</td> </tr> <tr> <td>OR</td> <td>Origin (Shipping Point)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CI	City	DE	Destination (Shipping)	OR	Origin (Shipping Point)										
<u>Code</u>	<u>Name</u>																			
CI	City																			
DE	Destination (Shipping)																			
OR	Origin (Shipping Point)																			
FOB07	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Used														

Syntax:

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

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Required by the Rail Industry Forum.

IT1 Baseline Item Data (Invoice)

Pos: 0100	Max: 1
Detail - Optional	
Loop: IT1	Elements: 10

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 Description: Alphanumeric characters assigned for differentiation within a transaction set <i>If the purchaser's line number is sent on the purchase order, IT101 is required and must equal the line number on that purchase order. When an electronic purchase order is sent, the line number in PO101 for the item being invoiced is the line number that is required in the IT101.</i>	O	AN	1/20	Used								
IT102	358	Quantity Invoiced Description: Number of units invoiced (supplier units) <i>Value must be greater than zero.</i>	C	R	1/10	Must use								
IT103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Must equal the unit of measure as ordered by the buying party. See Table IV of the Appendix for Unit of Measure Code values.</i>	C	ID	2/2	Must use								
IT104	212	Unit Price Description: Price per unit of product, service, commodity, etc. <i>Unit price will be expressed in unit of measure from data element 355. Unit price will be net of gross price, trade discounts and item-specific mark-ups, but will not be adjusted for payment terms or any order-specific special charges. Unit price must be greater than or equal to zero.</i>	C	R	1/17	Must use								
IT106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>MF</td> <td>Manufacturer</td> </tr> <tr> <td>PI</td> <td>Purchaser's Item Code</td> </tr> <tr> <td>VP</td> <td>Vendor's (Seller's) Part Number</td> </tr> </tbody> </table> <i>If the order was not sent electronically and the purchaser's item code is indicated, an occurrence of data elements 235/234 is required with 235 = "PI" and 234 equal to the purchaser's item code. If the order was sent electronically with an occurrence of data elements 235/234 with 235 = "PI", then an occurrence of data elements 235/234 is required with 235 = "PI".</i>	<u>Code</u>	<u>Name</u>	MF	Manufacturer	PI	Purchaser's Item Code	VP	Vendor's (Seller's) Part Number	C	ID	2/2	Used
<u>Code</u>	<u>Name</u>													
MF	Manufacturer													
PI	Purchaser's Item Code													
VP	Vendor's (Seller's) Part Number													
IT107	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/48	Used								

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
<i>IT108 through IT111 are repeating pairs of data elements 235 and 234. Notes shown in IT106 apply to all data elements 235.</i>														
IT108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>MF</td> <td>Manufacturer</td> </tr> <tr> <td>PI</td> <td>Purchaser's Item Code</td> </tr> <tr> <td>VP</td> <td>Vendor's (Seller's) Part Number</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	MF	Manufacturer	PI	Purchaser's Item Code	VP	Vendor's (Seller's) Part Number				
<u>Code</u>	<u>Name</u>													
MF	Manufacturer													
PI	Purchaser's Item Code													
VP	Vendor's (Seller's) Part Number													
IT109	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/48	Used								
IT110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>MF</td> <td>Manufacturer</td> </tr> <tr> <td>PI</td> <td>Purchaser's Item Code</td> </tr> <tr> <td>VP</td> <td>Vendor's (Seller's) Part Number</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	MF	Manufacturer	PI	Purchaser's Item Code	VP	Vendor's (Seller's) Part Number				
<u>Code</u>	<u>Name</u>													
MF	Manufacturer													
PI	Purchaser's Item Code													
VP	Vendor's (Seller's) Part Number													
IT111	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/48	Used								

Syntax:

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

Semantics:

1. IT101 is the 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.

TXI Tax Information

Pos: 0400	Max: >1
Detail - Optional	
Loop: IT1	Elements: 4

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 Description: Code specifying the type of tax	M	ID	2/2	Must use										
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>FT</td> <td>Federal Excise Tax</td> </tr> <tr> <td>SP</td> <td>State/Provincial Tax</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	FT	Federal Excise Tax	SP	State/Provincial Tax								
<u>Code</u>	<u>Name</u>															
FT	Federal Excise Tax															
SP	State/Provincial Tax															
TXI02	782	Monetary Amount Description: Monetary amount	C	R	1/18	Used										
TXI03	954	Percent Description: Percentage expressed as a decimal	C	R	1/10	Used										
TXI07	662	Relationship Code Description: Code indicating the relationship between entities	O	ID	1/1	Used										
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Delete</td> </tr> <tr> <td>I</td> <td>Included</td> </tr> <tr> <td>O</td> <td>Information Only</td> </tr> <tr> <td>S</td> <td>Substituted</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	D	Delete	I	Included	O	Information Only	S	Substituted				
<u>Code</u>	<u>Name</u>															
D	Delete															
I	Included															
O	Information Only															
S	Substituted															

Syntax:

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

This segment is optional and is designated for purchases made by Canadian railroads.

PID Product/Item Description

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

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 Description: Code indicating the format of a description	M	ID	1/1	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>F</td> <td>Free-form</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	F	Free-form				
<u>Code</u>	<u>Name</u>									
F	Free-form									
PID05	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Used				

Syntax:

1. PID04 C0403 -- If PID04 is present, then PID03 is required
2. PID04 R0405 -- At least one of PID04 or PID05 is required.
3. PID07 C0703 -- If PID07 is present, then PID03 is required
4. PID08 C0804 -- If PID08 is present, then PID04 is required
5. PID09 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: 1200	Max: >1
Detail - Optional	
Loop: IT1	Elements: 2

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 Description: Code qualifying the Reference Identification	M	ID	2/3	Must use						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EQ</td> <td>Equipment Number</td> </tr> <tr> <td>SI</td> <td>Shipper's Identifying Number for Shipment (SID)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	EQ	Equipment Number	SI	Shipper's Identifying Number for Shipment (SID)				
<u>Code</u>	<u>Name</u>											
EQ	Equipment Number											
SI	Shipper's Identifying Number for Shipment (SID)											
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>If REF01 = "EQ", this value is the locomotive number receiving the product. If REF01 = "SI", this element represents the unique identification number for the shipment/delivery being invoiced in IT1. If delivery is via tank car, the tank car number must be shown.</i>	C	AN	1/50	Used						

Syntax:

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

Semantics:

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

DTM Date/Time Reference

Pos: 1500	Max: 10
Detail - Optional	
Loop: IT1	Elements: 2

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 Description: Code specifying type of date or time, or both date and time	M	ID	3/3	Must use
		<u>Code</u> <u>Name</u> 192 Delivery Ticket				
DTM02	373	Date Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	C	DT	8/8	Must use

Syntax:

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

An occurrence of DTM with DTM01 = "192" is required for each IT1.

TDS Total Monetary Value Summary

Pos: 0100	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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 <i>Must equal the sum of (IT102 X IT104) rounded to 2 decimals, for all IT1 segments plus the sum of all SAC05 elements (with the appropriate regard for the allowance or charge indicator, SAC01).</i>				
TDS02	610	Amount	O	N2	1/15	Used
		Description: Monetary amount				

Semantics:

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

Comments:

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

CAD Carrier Detail

Pos: 0300	Max: 1
Summary - Optional	
Loop: N/A	Elements: 5

To specify transportation details for the transaction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																														
CAD01	91	Transportation Method/Type Code Description: Code specifying the method or type of transportation for the shipment	O	ID	1/2	Used																														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>B</td><td>Barge</td></tr> <tr><td>E</td><td>Expedited Truck</td></tr> <tr><td>H</td><td>Customer Pickup</td></tr> <tr><td>I</td><td>Common Irregular Carrier</td></tr> <tr><td>J</td><td>Motor</td></tr> <tr><td>L</td><td>Contract Carrier</td></tr> <tr><td colspan="2"><i>Contract carrier as specified by purchaser.</i></td></tr> <tr><td>M</td><td>Motor (Common Carrier)</td></tr> <tr><td>N</td><td>Private Vessel</td></tr> <tr><td>O</td><td>Containerized Ocean</td></tr> <tr><td>R</td><td>Rail</td></tr> <tr><td>S</td><td>Ocean</td></tr> <tr><td>W</td><td>Inland Waterway</td></tr> <tr><td>PL</td><td>Pipeline</td></tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	B	Barge	E	Expedited Truck	H	Customer Pickup	I	Common Irregular Carrier	J	Motor	L	Contract Carrier	<i>Contract carrier as specified by purchaser.</i>		M	Motor (Common Carrier)	N	Private Vessel	O	Containerized Ocean	R	Rail	S	Ocean	W	Inland Waterway	PL	Pipeline				
<u>Code</u>	<u>Name</u>																																			
B	Barge																																			
E	Expedited Truck																																			
H	Customer Pickup																																			
I	Common Irregular Carrier																																			
J	Motor																																			
L	Contract Carrier																																			
<i>Contract carrier as specified by purchaser.</i>																																				
M	Motor (Common Carrier)																																			
N	Private Vessel																																			
O	Containerized Ocean																																			
R	Rail																																			
S	Ocean																																			
W	Inland Waterway																																			
PL	Pipeline																																			
CAD04	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	C	ID	2/4	Used																														
CAD05	387	Routing Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity <i>Alpha carrier name.</i>	C	AN	1/35	Used																														
CAD07	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification <i>Only the following code will be accepted:</i>	O	ID	2/3	Must use																														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>CN</td><td>Carrier's Reference Number (PRO/Invoice)</td></tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CN	Carrier's Reference Number (PRO/Invoice)																														
<u>Code</u>	<u>Name</u>																																			
CN	Carrier's Reference Number (PRO/Invoice)																																			
CAD08	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/50	Must use																														

Syntax:

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

Required if a Table 3 SAC segment is sent with SAC02 = "D240" (Freight Charges)

SAC Service, Promotion, Allowance, or Charge Information

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

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 Description: Code which indicates an allowance or charge for the service specified <i>Only the following codes will be accepted:</i>	M	ID	1/1	Must use																												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Allowance</td> </tr> <tr> <td>C</td> <td>Charge</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	A	Allowance	C	Charge																										
<u>Code</u>	<u>Name</u>																																	
A	Allowance																																	
C	Charge																																	
SAC02	1300	Service, Promotion, Allowance, or Charge Code Description: Code identifying the service, promotion, allowance, or charge <i>Only the following codes will be accepted unless SAC05 equals zero.</i>	C	ID	4/4	Used																												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>D240</td> <td>Freight</td> </tr> <tr> <td>D360</td> <td>Goods and Services Tax Charge</td> </tr> <tr> <td>D870</td> <td>Inspection</td> </tr> <tr> <td>E320</td> <td>Leaking Underground Storage Tax (LUST)</td> </tr> <tr> <td>G740</td> <td>Service Charge</td> </tr> <tr> <td>H320</td> <td>State Motor Fuel</td> </tr> <tr> <td>H330</td> <td>State Sales Charge</td> </tr> <tr> <td>H550</td> <td>Surcharge</td> </tr> <tr> <td>H660</td> <td>Tax - Federal Excise Tax, FET</td> </tr> <tr> <td>H700</td> <td>Tax - Local Tax</td> </tr> <tr> <td>H760</td> <td>Tax - State Hazardous Substance</td> </tr> <tr> <td>H780</td> <td>Tax - Super Fund Excise Tax</td> </tr> <tr> <td>H850</td> <td>Tax</td> </tr> </tbody> </table> <p><i>Use this code only if one of the more specific tax codes does not apply, SAC15 is required to describe this tax.</i></p>	<u>Code</u>	<u>Name</u>	D240	Freight	D360	Goods and Services Tax Charge	D870	Inspection	E320	Leaking Underground Storage Tax (LUST)	G740	Service Charge	H320	State Motor Fuel	H330	State Sales Charge	H550	Surcharge	H660	Tax - Federal Excise Tax, FET	H700	Tax - Local Tax	H760	Tax - State Hazardous Substance	H780	Tax - Super Fund Excise Tax	H850	Tax				
<u>Code</u>	<u>Name</u>																																	
D240	Freight																																	
D360	Goods and Services Tax Charge																																	
D870	Inspection																																	
E320	Leaking Underground Storage Tax (LUST)																																	
G740	Service Charge																																	
H320	State Motor Fuel																																	
H330	State Sales Charge																																	
H550	Surcharge																																	
H660	Tax - Federal Excise Tax, FET																																	
H700	Tax - Local Tax																																	
H760	Tax - State Hazardous Substance																																	
H780	Tax - Super Fund Excise Tax																																	
H850	Tax																																	
SAC05	610	Amount Description: Monetary amount <i>Must be greater than or equal to zero.</i>	O	N2	1/15	Used																												
SAC13	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>Required for SAC02 = "D360", "H320", "H330", "H700", or "H760". Used to identify the taxing location. Format: SSZZZZZZZZ where SS is the postal abbreviation of the state/province of the taxing location. This portion of the element is required. ZZZZZZZZ is the postal zip of the txing location. This portion of</i>	C	AN	1/50	Used																												

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>the element is required for sales tax at any level.</i>				
SAC15	352	Description Description: A free-form description to clarify the related data elements and their content <i>Literal explanation of charge.</i>	C	AN	1/80	Used

Syntax:

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

TXI Tax Information

Pos: 0500	Max: 1
Summary - Optional	
Loop: TXI	Elements: 4

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 Description: Code specifying the type of tax	M	ID	2/2	Must use										
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>GS</td> <td>Goods and Services Tax</td> </tr> <tr> <td>ST</td> <td>State Sales Tax</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	GS	Goods and Services Tax	ST	State Sales Tax								
<u>Code</u>	<u>Name</u>															
GS	Goods and Services Tax															
ST	State Sales Tax															
TXI02	782	Monetary Amount Description: Monetary amount	C	R	1/18	Used										
TXI03	954	Percent Description: Percentage expressed as a decimal	C	R	1/10	Used										
TXI07	662	Relationship Code Description: Code indicating the relationship between entities	O	ID	1/1	Used										
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>D</td> <td>Delete</td> </tr> <tr> <td>I</td> <td>Included</td> </tr> <tr> <td>O</td> <td>Information Only</td> </tr> <tr> <td>S</td> <td>Substituted</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	D	Delete	I	Included	O	Information Only	S	Substituted				
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Syntax:

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

This segment is optional and is designated for purchases made by Canadian railroads.

SE Transaction Set Trailer

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

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 Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
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 <i>Must be identical to the transaction set control number in the ST segment.</i>	M	AN	4/9	Must use

Comments:

- SE is the last segment of each transaction set.