

# **EDI Guideline**

**X12/V4010/810 : 810 Invoice**

**Version: 2.31**

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<b>Trading Partner:</b>	<b>Quebec EDI Healthcare Program</b>



## Document Change Log

Version	Date	Page	Description
2.2	05/02/2019	13	TXI09 Added
2.2	05/02/2019	21, 26, 28 & 32	Apply TXI09changes to Sample data
2.3	10/19/2021	19-21	N9 & MSG segments added
2.3	10/19/2021	25, 30, 32, 35	TXI09 change usage to Mandatory at all levels
2.3	10/19/2021	40	Update Sample Data
2.31	03/21/2023	40	Correct Sample TDS errors

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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.

**Not Defined:**

<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>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

**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
040	CUR	Currency	M	1			Must use
050	REF	Reference Identification	M	12			Must use
060	PER	Administrative Communications Contact	O	3			Used

<b>LOOP ID - N1</b>			<b>3</b>				
070	N1	Name	M	1			Must use
090	N3	Address Information	M	2			Must use
100	N4	Geographic Location	M	1			Must use
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
140	DTM	Date/Time Reference	M	10			Must use
<b>LOOP ID - N9</b>			<b>1</b>				
240	N9	Reference Identification	O	1			Used
250	MSG	Message Text	O	10			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>
<b>LOOP ID - IT1</b>			<b>200000</b>				
010	IT1	Baseline Item Data (Invoice)	M	1			Must use
040	TXI	Tax Information	C	10			Used
<b>LOOP ID - PID</b>			<b>1000</b>				
060	PID	Product/Item Description	M	1			Must use
<b>LOOP ID - SAC</b>			<b>25</b>				
180	SAC	Service, Promotion, Allowance, or Charge Information	C	1			Used
190	TXI	Tax Information	C	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>
010	TDS	Total Monetary Value Summary	M	1			Must use
020	TXI	Tax Information	C	10			Used
<b>LOOP ID - SAC</b>			<b>25</b>				

040	SAC	Service, Promotion, Allowance, or Charge Information	C	1		Used
050	TXI	Tax Information	C	10		Used
070	CTT	Transaction Totals	M	1	N3/070	Must use
080	SE	Transaction Set Trailer	M	1		Must use

**Not Defined:**

<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>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

**Notes:**

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.

# ISA Interchange Control Header

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

**User Option (Usage):** Must use

**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control 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>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code to identify the type of information in the Authorization Information <b>All valid standard codes are used. (Total Codes: 7)</b>						
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
<b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)						
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code to identify the type of information in the Security Information <b>All valid standard codes are used. (Total Codes: 2)</b>						
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
<b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)						
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used. (Total Codes: 38)</b>						
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
<b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element						
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used. (Total Codes: 38)</b>						
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use
<b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them						
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use
<b>Description:</b> Date of the interchange						
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use
<b>Description:</b> Time of the interchange						
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use
<b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>All valid standard codes are used. (Total Codes: 1)</b>						

ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use
<b>Description:</b> Code specifying the version number of the interchange control segments						
<b>Code List Summary</b> (Total Codes: 14, Included: 1)						
		<u><b>Code</b></u>	<u><b>Name</b></u>			
		00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997			
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
<b>Description:</b> A control number assigned by the interchange sender						
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)						
<b>All valid standard codes are used. (Total Codes: 2)</b>						
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use
<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information						
<b>All valid standard codes are used. (Total Codes: 3)</b>						
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
<b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator						



**GS****Functional Group Header**

<b>Pos:</b>	<b>Max: 1</b>
<b>Not Defined - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 8</b>

**User Option (Usage):** Must use**Purpose:** To indicate the beginning of a functional group and to provide control 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>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying a group of application related transaction sets						
<b>Code List Summary</b> (Total Codes: 240, Included: 1)						
		<u>Code</u> <u>Name</u>				
		IN      Invoice Information (810,819)				
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
<b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners						
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
<b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
GS05	337	<b>Time</b>	M	TM	4/8	Must use
<b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)						
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use
<b>Description:</b> Assigned number originated and maintained by the sender						
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
<b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
<b>All valid standard codes are used. (Total Codes: 2)</b>						
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
<b>Description:</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed						
<b>Code List Summary</b> (Total Codes: 39, Included: 1)						
		<u>Code</u> <u>Name</u>				
		004010      Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				

**Semantics:**

1. GS04 is the group date.
2. GS05 is the group time.

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

**Comments:**

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

# ST Transaction Set Header

Pos: 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
<b>Description:</b> Code uniquely identifying a Transaction Set						
<b>Code List Summary</b> (Total Codes: 298, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		810		Invoice		
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
<b>Description:</b> 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: 5

**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
		<b>Description:</b> Date expressed as CCYYMMDD				
BIG02	76	Invoice Number	M	AN	1/22	Must use
		<b>Description:</b> Identifying number assigned by issuer				
BIG03	373	Date	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD				
BIG04	324	Purchase Order Number	M	AN	1/22	Must use
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser				
BIG07	640	Transaction Type Code	O	ID	2/2	Used
		<b>Description:</b> Code specifying the type of transaction				
		<b>Code List Summary</b> (Total Codes: 446, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		CN	Credit Invoice			
		DI	Debit Invoice			

## Semantics:

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

## Comments:

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

# CUR Currency

Pos: 040	Max: 1
Heading - Mandatory	
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
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual						
<b>Code List Summary</b> (Total Codes: 1312, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		SE		Selling Party		
CUR02	100	Currency Code	M	ID	3/3	Must use
<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified						

# REF Reference Identification

Pos: 050	Max: 12
Heading - Mandatory	
Loop: N/A	Elements: 2

**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
<b>Description:</b> Code qualifying the Reference Identification						
<b>Code List Summary</b> (Total Codes: 1503, Included: 3)						
		<u>Code</u>		<u>Name</u>		
		BM		Bill of Lading Number		
		CO		Customer Order Number		
		PK		Packing List Number		
REF02	127	Reference Identification	M	AN	1/30	Must use
<b>Description:</b> 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.

# PER Administrative Communications Contact

Pos: 060	Max: 3
Heading - Optional	
Loop: N/A	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								
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named														
<b>Code List Summary</b> (Total Codes: 230, Included: 1)														
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BD</td><td>Buyer Name or Department</td></tr></table>							<u>Code</u>	<u>Name</u>	BD	Buyer Name or Department				
<u>Code</u>	<u>Name</u>													
BD	Buyer Name or Department													
PER02	93	Name	M	AN	1/60	Must use								
<b>Description:</b> Free-form name														
PER03	365	Communication Number Qualifier	M	ID	2/2	Must use								
<b>Description:</b> Code identifying the type of communication number														
<b>Code List Summary</b> (Total Codes: 40, Included: 3)														
<table><tr><th><u>Code</u></th><th><u>Name</u></th></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	M	AN	1/80	Must use								
<b>Description:</b> 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.

# Loop Name

<b>Pos: 070</b>	<b>Repeat: 3</b>
<b>Mandatory</b>	
<b>Loop: N1</b>	<b>Elements: N/A</b>

**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	M	1		Must use
090	N3	Address Information	M	2		Must use
100	N4	Geographic Location	M	1		Must use



**N1****Name**

<b>Pos: 070</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**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	<b>Entity Identifier Code</b>	M	ID	2/3	Must use
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual						
<b>Code List Summary</b> (Total Codes: 1312, Included: 3)						
		<u>Code</u> <u>Name</u>				
		BT      Bill-to-Party				
		ST      Ship To				
		VN      Vendor				
N102	93	<b>Name</b>	X	AN	1/60	Must use
<b>Description:</b> Free-form name						
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
<b>Code List Summary</b> (Total Codes: 215, Included: 3)						
		<u>Code</u> <u>Name</u>				
		91      Assigned by Seller or Seller's Agent				
		92      Assigned by Buyer or Buyer's Agent				
		ZZ      Mutually Defined				
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
<b>Description:</b> 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.

# N3 Address Information

Pos: 090	Max: 2
Heading - Mandatory	
Loop: N1	Elements: 2

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

# N4 Geographic Location

Pos: 100	Max: 1
Heading - Mandatory	
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	<b>City Name</b>	M	AN	2/30	Must use
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	M	ID	3/15	Must use
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	M	ID	2/3	Must use
		<b>Description:</b> Code identifying the country				

**ITD**

# Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 9

**User Option (Usage):** Used**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>
ITD01	336	Terms Type Code	O	ID	2/2	Used
<b>Description:</b> Code identifying type of payment terms						
<b>Code List Summary</b> (Total Codes: 65, Included: 3)						
		<u>Code</u>		<u>Name</u>		
		01		Basic		
		05		Discount Not Applicable		
		08		Basic Discount Offered		
ITD02	333	Terms Basis Date Code	O	ID	1/2	Used
<b>Description:</b> Code identifying the beginning of the terms period						
<b>Code List Summary</b> (Total Codes: 17, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		3		Invoice Date		
		09		Purchase Order Date		
ITD03	338	Terms Discount Percent	O	R	1/6	Used
<b>Description:</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date						
ITD04	370	Terms Discount Due Date	X	DT	8/8	Used
<b>Description:</b> Date payment is due if discount is to be earned expressed in format CCYYMMDD						
ITD05	351	Terms Discount Days Due	X	N0	1/3	Used
<b>Description:</b> Number of days in the terms discount period by which payment is due if terms discount is earned						
ITD06	446	Terms Net Due Date	O	DT	8/8	Used
<b>Description:</b> Date when total invoice amount becomes due expressed in format CCYYMMDD						
ITD07	386	Terms Net Days	O	N0	1/3	Used
<b>Description:</b> Number of days until total invoice amount is due (discount not applicable)						
ITD08	362	Terms Discount Amount	O	N2	1/10	Used
<b>Description:</b> Total amount of terms discount						
ITD12	352	Description	O	AN	1/80	Used
<b>Description:</b> A free-form description to clarify the related data elements and their content						

**Syntax Rules:**

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

**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.

# DTM Date/Time Reference

Pos: 140	Max: 10
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To specify pertinent dates and times

## Element Summary:

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

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

**Code List Summary** (Total Codes: 1112, Included: 2)

Code	Name
002	Delivery Requested
011	Shipped

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

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.

# Loop Reference Identification

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

**User Option (Usage):** Used

**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		Used
250	MSG	Message Text	O	10		Used

**N9****Reference Identification**

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

**User Option (Usage):** Used**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: 2)

<u>Code</u>	<u>Name</u>
L1	Letters or Notes
ZZ	Mutually Defined

N902	127	Reference Identification	X	AN	1/30	Used
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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.

**Semantics:**

- 1.



# MSG Message Text

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

**User Option (Usage):** Used

**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	Used

**Description:** Free-form message text

## Semantics:

1.

## Comments:

1.

# Loop Baseline Item Data (Invoice)

Pos: 010	Repeat: 200000
Mandatory	
Loop: IT1	Elements: N/A

**User Option (Usage):** Must use

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

## Loop Summary:

<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)	M	1		Must use
040	TXI	Tax Information	C	10		Used
060		Loop PID	M		1000	Must use
180		Loop SAC	C		25	Used

**IT1****Baseline Item Data (Invoice)**

Pos: 010	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 11

**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	<b>Assigned Identification</b>	O	AN	1/20	Must use
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set <b>User Note 1:</b> <i>**This value must match the value sent on the 850 - purchase order</i>						
IT102	358	<b>Quantity Invoiced</b>	M	R	1/10	Must use
<b>Description:</b> Number of units invoiced (supplier units)						
IT103	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>User Note 1:</b> <i>Only standard X12 codes are accepted ex. CA = Case EA - Each</i>						
<b>Code List Summary</b> (Total Codes: 794, Included: 2)						
		<u>Code</u>	<u>Name</u>			
		CA	Case			
		EA	Each			
IT104	212	<b>Unit Price</b>	M	R	1/17	Must use
<b>Description:</b> Price per unit of product, service, commodity, etc.						
IT105	639	<b>Basis of Unit Price Code</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying the type of unit price for an item						
IT106	235	<b>Product/Service ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>Code List Summary</b> (Total Codes: 477, Included: 2)						
		<u>Code</u>	<u>Name</u>			
		VC	Vendor's (Seller's) Catalog Number			
		VN	Vendor's (Seller's) Item Number			
IT107	234	<b>Product/Service ID</b>	M	AN	1/48	Must use
<b>Description:</b> Identifying number for a product or service						
IT108	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>Code List Summary</b> (Total Codes: 477, Included: 1)						
		<u>Code</u>	<u>Name</u>			
		IN	Buyer's Item Number			
IT109	234	<b>Product/Service ID</b>	X	AN	1/48	Used
<b>Description:</b> Identifying number for a product or service						
IT110	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>Code List Summary</b> (Total Codes: 477, Included: 2)						

		<u>Code</u>	<u>Name</u>			
		LT	Lot Number			
		SN	Serial Number			
IT111	234	<b>Product/Service ID</b>		X	AN	1/48

Used

**Description:** Identifying number for a product or service**Syntax Rules:**

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.

**Semantics:**

1. IT101 is the purchase order line item identification.

# TXI Tax Information

Pos: 040	Max: 10
Detail - Conditional	
Loop: IT1	Elements: 3

**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	<b>Tax Type Code</b>	M	ID	2/2	Must use

**Description:** Code specifying the type of tax

**Code List Summary** (Total Codes: 74, Included: 2)

<u>Code</u>	<u>Name</u>
GS	Goods and Services Tax
PS	State or Provincial Tax on Services

TXI02	782	<b>Monetary Amount</b>	M	R	1/18	Must use
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**Description:** Monetary amount

TXI09	325	<b>Tax Identification Number</b>	M	AN	1/20	Must use
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**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.

## Semantics:

1. TXI02 is the monetary amount of the tax.

# Loop Product/Item Description

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

**User Option (Usage):** Must use

**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	M	1		Must use

# PID Product/Item Description

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

**User Option (Usage):** Must use

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

## Element Summary:

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

**Description:** Code indicating the format of a description

**Code List Summary** (Total Codes: 3, Included: 1)

Code	Name
F	Free-form

PID05	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

## Syntax Rules:

1. R0405 - At least one of PID04 or PID05 is required.

## Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.

# Loop Service, Promotion, Allowance, or Charge Information

Pos: 180	Repeat: 25
Conditional	
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	C	1		Used
190	TXI	Tax Information	C	10		Used



# SAC Service, Promotion, Allowance, or Charge Information

Pos: 180	Max: 1
Detail - Conditional	
Loop: SAC	Elements: 5

**User Option (Usage):** Used

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

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	Allowance or Charge Indicator	O	ID	1/1	Used

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

**Code List Summary** (Total Codes: 7, Included: 2)

Code	Name
A	Allowance
C	Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
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**Description:** Code identifying the service, promotion, allowance, or charge

SAC05	610	Amount	O	N2	1/15	Used
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**Description:** Monetary amount

SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
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**Description:** Code indicating method of handling for an allowance or charge

SAC15	352	Description	X	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content

## Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 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.

# TXI Tax Information

Pos: 190	Max: 10
Detail - Conditional	
Loop: SAC	Elements: 3

**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	<b>Tax Type Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code specifying the type of tax						
<b>Code List Summary</b> (Total Codes: 74, Included: 2)						
		<u>Code</u> <u>Name</u>				
		GS          Goods and Services Tax				
		PS          State or Provincial Tax on Services				
TXI02	782	<b>Monetary Amount</b>	M	R	1/18	Must use
<b>Description:</b> Monetary amount						
TXI09	325	<b>Tax Identification Number</b>	M	AN	1/20	Must use
<b>Description:</b> 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.

## 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.

# 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

## Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).

# TXI Tax Information

Pos: 020	Max: 10
Summary - Conditional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify tax information

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI01	963	Tax Type Code	M	ID	2/2	Must use

**Description:** Code specifying the type of tax

**Code List Summary** (Total Codes: 74, Included: 2)

Code	Name
GS	Goods and Services Tax
PS	State or Provincial Tax on Services

TXI02	782	Monetary Amount	M	R	1/18	Must use
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**Description:** Monetary amount

TXI09	325	Tax Identification Number	M	AN	1/20	Must use
-------	-----	---------------------------	---	----	------	----------

**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.

## Semantics:

1. TXI02 is the monetary amount of the tax.

# Loop Service, Promotion, Allowance, or Charge Information

Pos: 040	Repeat: 25
Conditional	
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>
040	SAC	Service, Promotion, Allowance, or Charge Information	C	1		Used
050	TXI	Tax Information	C	10		Used

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 040 Max: 1  
Summary - Conditional  
Loop: SAC Elements: 5

**User Option (Usage):** Used

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

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use
<b>Description:</b> Code which indicates an allowance or charge for the service specified						
<b>Code List Summary</b> (Total Codes: 7, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		A		Allowance		
		C		Charge		
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
<b>Description:</b> Code identifying the service, promotion, allowance, or charge						
SAC05	610	Amount	O	N2	1/15	Used
<b>Description:</b> Monetary amount						
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
<b>Description:</b> Code indicating method of handling for an allowance or charge						
<b>All valid standard codes are used. (Total Codes: 22)</b>						
SAC15	352	Description	X	AN	1/80	Used
<b>Description:</b> A free-form description to clarify the related data elements and their content						

## Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 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.

# TXI Tax Information

Pos: 050	Max: 10
Summary - Conditional	
Loop: SAC	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify tax information

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI01	963	Tax Type Code	M	ID	2/2	Must use

**Description:** Code specifying the type of tax

**Code List Summary** (Total Codes: 74, Included: 2)

Code	Name
GS	Goods and Services Tax
PS	State or Provincial Tax on Services

TXI02	782	Monetary Amount	M	R	1/18	Must use
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**Description:** Monetary amount

TXI09	325	Tax Identification Number	M	AN	1/20	Must use
-------	-----	---------------------------	---	----	------	----------

**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.

## Semantics:

1. TXI02 is the monetary amount of the tax.

# CTT Transaction Totals

Pos: 070	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 1

**User Option (Usage):** Must use

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

## Element Summary:

<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

## 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
<b>Description:</b> 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
<b>Description:</b> 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.

# GE Functional Group Trailer

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

**User Option (Usage):** Must use

**Purpose:** To indicate the end of a functional group and to provide control 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>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use
<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	Group Control Number	M	N0	1/9	Must use
<b>Description:</b> Assigned number originated and maintained by the sender						

## Semantics:

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

## Comments:

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

# IEA Interchange Control Trailer

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

**User Option (Usage):** Must use

**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control 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>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must use
<b>Description:</b> A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
<b>Description:</b> A control number assigned by the interchange sender						

# Sample 810:

ISA\*00\*        \*00\*        \*ZZ\*SUPPLIER    \*ZZ\*HOSPITAL    \*150118\*2149\*U\*00401\*000009084\*0\*P\*|~  
 GS\*IN\*SUPPLIER\*HOSPITAL\*20150118\*2149\*9084\*X\*004010~  
 ST\*810\*90840001~  
 BIG\*20150118\*99999\*20160108\*1234567-D\*\*\*DI~  
 CUR\*SE\*CAD~  
 REF\*BM\*36498213PC~  
 PER\*BD\*ORDER DESK\*TE\*1-800-555-5555~  
 N1\*BT\*HOSPITAL\*91\*123456~  
 N3\*123 1<sup>st</sup> Ave~  
 N4\*MONTREAL\*QC\*H2X 0A9\*CA~  
 N1\*ST\*HOSPITAL\*91\*123456~  
 N3\*123 MAIN STREET~  
 N4\*MONTREAL\*QC\*H2L 4M1\*CA~  
 N1\*VN\*SUPPLIER\*91\*99999~  
 N3\*1 SUPPLIER ROAD~  
 N4\*MONTREAL\*QC\*A1A 1A1\*CA~  
 ITD\*01\*3\*\*20150318~  
 DTM\*011\*20150118~  
 N9\*ZZ\*Notes~  
 MSG\*Notes Number 1~  
 MSG\*Notes Number 2~  
 IT1\*\*22\*EA\*26.6\*\*VC\*ABC1234~  
 TXI\*GS\*29.26\*\*\*\*\*123456789RT0001~  
 TXI\*PS\*58.37\*\*\*\*\*987654321TQ0001~  
 PID\*F\*\*\*DESCRIPTION~  
 TDS\*77631~  
 TXI\*GS\*33.76\*\*\*\*\*123456789RT0001~  
 TXI\*PS\*67.35\*\*\*\*\*987654321TQ0001~  
 SAC\*C\*G740\*\*\*9000\*\*\*\*\*MIN ORDER CHARGE~  
 TXI\*GS\*4.5\*\*\*\*\*123456789RT0001~  
 TXI\*PS\*8.98\*\*\*\*\*987654321TQ0001~  
 CTT\*1~  
 SE\*31\*90840001~  
 GE\*13\*9084~  
 IEA\*1\*000009084~