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EDI Specifications 810 Invoice Inbound

X12 Version 4010

Version: 2.9

**Author: Advance Auto Parts
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Publication Record

Rev.	Date	Author Name	Description
2.3	3/17/14	Advance Auto Parts	Initial release of version 2.3
2.4	2/2/16	AAP Supply Chain Reliability	Initial release of version 2.4 Added transaction level clarification note ISA 02 and 04 Added clarification note ISA 08 Added Advance ISA ID note ISA 09, 10 and 12 Added clarification note GS 03 Added Advance GS ID note GS 04, 05 and 06 Added clarification note 1/ST-02/010 Added clarification note 1/BIG-01, 02, 03/020 Added clarification note 1/N1-01/070 Added clarification note and code VN 1/N1-03/070 Removed code 91 2/IT1/010 Changed to Optional and added clarification note 2/IT1-06/010 Added clarification note 2/IT1-08/010 Added clarification note 2/PID/060 Changed from Optional to Recommend and added clarification note 2/SAC/180 Changed 02, 05 and 12 to Must Use 2/SAC-02/180 Reduced code list to B750 2/SAC-05/180 Added clarification note 3/TDS-01 and 02/010 Added clarification note 3/SAC/040 Changed 02, 05 and 12 to Must Use 3/SAC-02/040 Removed B750 from code list and added code D170 3/SAC-05/040 Added clarification note 3/ISS-01/060 Added clarification note 3/ISS-03and 04/060 Changed from Must Use to Optional 3/CTT-01/070 Added clarification note 3/SE-02/080 Added clarification note GS 02 Added clarification note IEA 02 Added clarification note
2.5	7/14/2020	Advance Auto Parts (MYH)	Remove Test IDs
2.6	8/15/2022	Advance Auto Parts (MYH)	- Added CUR Currency segment - Added to N101 Entities List - Updated notes in IT1 segment - IT101- Invoice line number - IT102 Quantity must be an integer - Changed IT108 & IT109 vendor part number to be optional. - Added IT110 & IT111 for PL and PO line number
2.6.1	9/23/2022	AAP – A. Murphy	- Remove Free Goods notes - Correct typo in previous change log (IT209 should have read to IT109. Corrected in log above)
2.6.2	11/29/2022	Advance Auto Parts (MYH)	- Added notes to N1 segment. - Added notes to elements N103 and N104 – neither is required on a N1*BT segment. Removed BT from N103 note.
2.6.3	02/27/2023	Advance Auto Parts (MYH)	- Add Summary SAC code H090 – Special Handling

2.7	11/22/2023	Advance Auto Parts (MYH)	<ul style="list-style-type: none"> - Changed CUR segment to mandatory. - Added REF segment notes. - Added REF01 qualifiers BM, CN and 2I and changed which are required - Note changes to N1 segment and elements. - Modified IT1 segment to conditional. - IT1 segment notes updated for clarity - Note updates to IT103, IT106 and IT108 elements. - Removed IN qualifier from element IT106. - Removed VN qualifier from element IT108. - Line level SAC02 and SAC05 element notes updated - Note changes to TDS01 element. - Modified summary SAC loop and segment to conditional. - Notes added to summary level SAC02 and SAC05 elements. - Notes added to elements ISS01 and ISS03.
2.8	01.15.2024	AAP - AEM	<ul style="list-style-type: none"> - Added clarifying note to BIG07 transaction type usage - Added note to clarify credit and debit product lines must not be mixed on a single 810 invoice. - Added a note on IT1 quantities based on transaction type code. - SAC01 note added for both line and summary SAC indicating that usage is dictated by the SAC table including the AAP classification code. - Updated SAC List with AAP classification (A/C) indicator based on BIG07 value.
2.9	01.30.2024	AAP - AEM	SAC D240 and G830 description clarifications and G/L account corrections

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810 Invoice

Functional Group ID=**IN**

Introduction:

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.

Notes:

There must be at least one occurrence of either the IT1 or the SAC segment in each 810 document.

Heading:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
7	005	ISA	Interchange Control Header	M	M	1		
8	008	GS	Functional Group Header	M	M	1		
9	010	ST	Transaction Set Header	M	M	1		
10	020	BIG	Beginning Segment for Invoice	M	M	1		
11	040	CUR	Currency	O	Must Use	1		
12	050	REF	Reference Identification	O	Must Use	12		
LOOP ID - N1							200	
13	070	N1	Name	O	Must Use	1		
14	150	FOB	F.O.B. Related Instructions	O	O	1		

Detail:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1							200000	
15	010	IT1	Baseline Item Data (Invoice)	O	O	1		
LOOP ID - PID							1000	
16	060	PID	Product/Item Description	O	Rec	1		
LOOP ID - SAC							25	
17	180	SAC	Service, Promotion, Allowance, or Charge Information	O	O	1		

Summary:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
18	010	TDS	Total Monetary Value Summary	M	M	1		
19	020	TXI	Tax Information	O	O	10		
20	030	CAD	Carrier Detail	O	O	1		
LOOP ID - SAC							25	

21	040	SAC	Service, Promotion, Allowance, or Charge Information	O	O	1
LOOP ID - ISS						>1
23	060	ISS	Invoice Shipment Summary	O	Must Use	1
24	070	CTT	Transaction Totals	O	Must Use	1
25	080	SE	Transaction Set Trailer	M	M	1
26	090	GE	Functional Group Trailer	M	M	1
27	100	IEA	Interchange Control Trailer	M	M	1

Segment: **ISA** Interchange Control Header
Position: 005
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data		Base	User
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>
ISA01	I01	Authorization Information Qualifier 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2	M
ISA02	I02	Authorization Information 10 spaces	M AN 10/10	M
ISA03	I03	Security Information Qualifier 00 No Security Information Present (No Meaningful Information in I04)	M ID 2/2	M
ISA04	I04	Security Information 10 spaces	M AN 10/10	M
ISA05	I05	Interchange ID Qualifier	M ID 2/2	M
ISA06	I06	Interchange Sender ID	M AN 15/15	M
ISA07	I05	Interchange ID Qualifier 01 Duns (Dun & Bradstreet)	M ID 2/2	M
ISA08	I07	Interchange Receiver ID The Advance Auto Parts Production Interchange ID is 007941529.	M AN 15/15	M
ISA09	I08	Interchange Date Date of Interchange (YYMMDD)	M DT 6/6	M
ISA10	I09	Interchange Time Time of Interchange (HHMM)	M TM 4/4	M
ISA11	I10	Interchange Control Standards Identifier	M ID 1/1	M
ISA12	I11	Interchange Control Version Number 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M ID 5/5	M
ISA13	I12	Interchange Control Number The control number in this data element must be unique and identical to the control number provided in the associated Interchange Control trailer (IEA02)	M N0 9/9	M
ISA14	I13	Acknowledgment Requested	M ID 1/1	M
ISA15	I14	Usage Indicator P Production Data	M ID 1/1	M
ISA16	I15	Component Element Separator Type HEX ASCII Data Element Separator 2A * Segment Terminator 7E ~ Component Element Separator 3C <	M AN 1/1	M

Segment: **GS Functional Group Header**
Position: 008
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Syntax Notes:
Semantic Notes:

- 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.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
GS01	479	Functional Identifier Code IN Invoice Information (810,819)	M ID 2/2	M
GS02	142	Application Sender's Code	M AN 2/15	M
GS03	124	Application Receiver's Code The Advance Auto Parts Production GS ID is 007941529.	M AN 2/15	M
GS04	373	Date Group Date (CCYYMMDD)	M DT 8/8	M
GS05	337	Time Group Time (HHMM)	M TM 4/8	M
GS06	28	Group Control Number The control number in this data element must be identical to the control number provided in the associated GE Control Trailer (GE02)	M N0 1/9	M
GS07	455	Responsible Agency Code X Accredited Standards Committee X12	M ID 1/2	M
GS08	480	Version / Release / Industry Identifier Code 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M AN 1/12	M

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 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).
Comments:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
ST01	143	Transaction Set Identifier Code 810 Invoice	M ID 3/3	M
ST02	329	Transaction Set Control Number	M AN 4/9	M

The control number in this data element must be identical to the control number provided in the associated SE Control trailer (SE02)

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:
Semantic Notes: 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.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
BIG01	373	Date	M DT 8/8	M
Invoice date				
BIG02	76	Invoice Number	M AN 1/22	M
Advance Auto Parts will accept an invoice number up to 20 characters in length.				
BIG03	373	Date	O DT 8/8	Must Use
PO date (YYYYMMDD)				
BIG04	324	Purchase Order Number	O AN 1/22	Must Use
BIG07	640	Transaction Type Code	O ID 2/2	Must Use
AAP uses this transaction type code while validating invoice total amount. All credit invoices will be assumed to be a negative total. All debit invoices will be assumed to be a positive total.				
No single 810 invoice document should contain a mix of credit and debit IT1 product lines or the invoice will be rejected with a request to issue one credit and one debit.				
		CR		Credit Memo
		DR		Debit Memo

Segment: **CUR** Currency
Position: 040
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:
Semantic Notes:
Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary				
<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
CUR01	98	Entity Identifier Code	M ID 2/3	M
		BY Buying Party (Purchaser)		
CUR02	100	Currency Code	M ID 3/3	M
		USD US Dollar		
		CAD Canadian Dollar		

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:
Semantic Notes:
Comments:
Notes:

REF segment with BM (BOL) or 2I (Tracking Number) qualifier is required.
 REF segment with CN qualifier is optional but recommended.
 REF segment with PK qualifier is optional

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier	M ID 2/3	M
		2I Tracking Number		
		BM Bill of Lading Number		
		CN Carrier's Reference Number (PRO/Invoice)		
		PK Packing List Number		
REF02	127	Reference Identification	X AN 1/30	Must Use

Segment: **N1** Name
Position: 070
Loop: N1
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 If either N103 or N104 is present, then the other is required.
 2 At least one of N102 or N103 is required.
Semantic Notes:
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.
Notes: Segment N101 = "BT" is optional. If sent, only elements N101 and N102 are required.
 Segments N101 = "ST" and N101 "VN" are mandatory and elements N101, N102, N103 and N104 are required on both.
 If N101 = "SF" or N101 = "Z7" identifiers are received on the Purchase Order or Purchase Order Change if one exists, they are required on the invoice. If sent, only elements N101, N103 and N104 are required on both.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
N101	98	Entity Identifier Code	M ID 2/3	M
		BT Bill-to-Party		
		SF Ship From		
		ST Ship To		
		VN Vendor		
		Z7 Mark-for Party		
		The party for whom the needed material is intended		
N102	93	Name	X AN 1/60	Must Use
N103	66	Identification Code Qualifier	X ID 1/2	Must Use
		91 Assigned by Seller or Seller's Agent		
		92 Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code	X AN 2/80	Must Use

Segment: **FOB** F.O.B. Related Instructions
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:
Semantic Notes: 1 FOB01 indicates which party will pay the carrier.
 2 FOB06 is the code specifying the title passage location.
Comments:
Notes: If FOB segment is present on the Purchase Order or Purchase Order Change if one exists, it is required on the Invoice.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
FOB01	146	Shipment Method of Payment	M ID 2/2	M
		CC	Collect	
		DF	Defined by Buyer and Seller	
		PP	Prepaid (by Seller)	
FOB06	309	Location Qualifier	X ID 1/2	Used
		DE	Destination (Shipping)	
		OR	Origin (Shipping Point)	

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 010
Loop: IT1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Syntax Notes:
 1 If either IT106 or IT107 is present, then the other is required.
 2 If either IT108 or IT109 is present, then the other is required.
 3 If any of IT102 IT103 or IT104 is present, then all are required.

Semantic Notes: 1 IT101 is the purchase order line item identification.

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

Notes: This segment is only optional when the invoice is a "Header only" credit memo or adjustment. When the IT1 segment is absent the Summary level SAC segment is required. Only Product/Service ID Qualifiers listed in the spec document are accepted by AAP.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
IT101	350	Assigned Identification Number	O AN 1/20	Must Use
AAP uses this as the Invoice Line Number				
IT102	358	Quantity Invoiced	X R 1/10	Must Use
AAP requires an integer value in this quantity element, unless a decimal value was present on the Purchase Order or Purchase Order Change line item quantity. For debit invoices with an IT1 line, the IT102 Quantity invoiced must be positive. For credit invoices with an IT1 line, the IT102 Quantity invoiced must be negative.				
IT103	355	Unit or Basis for Measurement Code	X ID 2/2	Must Use
While any valid X12 code may be sent on a purchase order, AAP typically purchases in "EA" Each UOM. AAP requires the unit of measure on the inbound 810 to match exactly to what was sent on the Purchase Order or Purchase Order Change if one exists.				
IT104	212	Unit Price	X R 1/17	Must Use
This is intended to be the product unit price.				
IT106	235	Product/Service ID Qualifier	X ID 2/2	Must Use
BP Buyer's Part Number				
IT107	234	Product/Service ID	X AN 1/48	Must Use
IT108	235	Product/Service ID Qualifier	X ID 2/2	Used
VP Vendor's (Seller's) Part Number				
IT109	234	Product/Service ID	X AN 1/48	Used
IT110	235	Product/Service ID Qualifier	X ID 2/2	Used
PL Purchaser's Order Line Number				
IT111	234	Product/Service ID	X AN 1/48	Used
The Purchase Order's Line Number				

Segment: **PID** Product/Item Description
Position: 060
Loop: IT1-PID
Level: Detail
Usage: Optional (Recommended)
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
Semantic Notes:
Comments: 1 If PID01 equals "F", then PID05 is used.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
PID01	349	Item Description Type F Free-form	M ID 1/1	M
PID05	352	Description	X AN 1/80	Used

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 180
Loop: IT1-SAC
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:
Semantic Notes: 1 If SAC01 is "A" or "C", then SAC05 is required.
 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

Comments:
Notes: If Core charges or ECO fees exist, they must be provided in the detail/line level SAC segment and cannot be sent at the summary level. All other Allowances and Charges must be sent in the summary level SAC.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
SAC01	248	Allowance or Charge Indicator	M ID 1/1	M
If a line SAC segment is sent, this element is required, and must correlate to the SAC table and AAP classification code provided. See approved AAP SAC code usage chart in the summary SAC segment section of this spec for additional detail.				
		A Allowance		
		C Charge		
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4	Must Use
		B750 Core Charge		
		C680 Environmental Protection Service		
For future use. This SAC code will be used for ECO Fee.				
SAC05	610	Amount	O N2 1/15	Must Use
SAC05 at the line level is treated as a unit price and will be extended by the associated IT102 Quantity Invoiced value.				
The SAC05 Amount element is defined as an implied decimal format (N2). This is an X12 standard. Values transmitted in whole dollar must include all zeros in order for the translator to interpret the amount correctly.				
Ex: 100 transmitted in this element will be calculated as \$1.00 10000 transmitted in this element will be calculated as \$100.00 100000 transmitted in this element will be calculated as \$1,000.00				
Do not send negative amounts in the SAC05 element.				
SAC12	331	Allowance or Charge Method of Handling Code	O ID 2/2	Must Use
		02 Off Invoice		
		06 Charge to be Paid by Customer		
SAC15	352	Description	X AN 1/80	Used

Segment: **TDS** Total Monetary Value Summary
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Semantic Notes: 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.
Comments: 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
TDS01	610	Amount	M N2 1/15	M

The TDS01 Amount element is defined as an implied decimal format (N2). This is an X12 standard. Values transmitted in whole dollar must include all zeros in order for the translator to interpret the amount correctly.

Ex: 100 transmitted in this element is calculated as \$1.00
 10000 transmitted in this element is calculated as \$100.00
 100000 transmitted in this element is calculated as \$1,000.00

TDS01 is derived using the BIG07 Transaction Type code in conjunction with the AAP SAC classification code as listed in the SAC Summary section. Below is the calculation:

TDS01 Amount = Sum of all IT1 Line Item Extensions [IT102 * IT104] rounded to two decimal positions
 + sum of all extended line SAC charges
 + sum of all summary level SAC charges
 - sum of all summary level SAC allowances
 + any TXI tax amounts

For example, a SAC01= "D240" Freight charge is classified as "C" for charge. AAP will calculate this as additional monies being billed on a debit invoice (BIG07 = "DR") OR as monies being returned on a credit invoice (BIG07 = "CR").

TDS02	610	Amount	O N2 1/15	Must Use
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TDS02= TDS01 – any charges that must not be considered when calculating payment terms discount. For example, Tax amounts are not usually included in the amount considered for discount therefore TDS02 would be TDS01 – (Tax amount). Other exclusions from payment terms discount amount may apply.

Segment: **TXI Tax Information**
Position: 020
Loop:
Level: Summary
Usage: Optional
Max Use: 10
Purpose: To specify tax information
Syntax Notes:
Semantic Notes: 1 TXI02 is the monetary amount of the tax.
Comments:
Notes:

This segment MUST be used to send Canadian taxes only where applicable.
 Any USA Taxes MUST be sent in the SAC segment at the summary level.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
TXI01	963	Tax Type Code	M ID 2/2	M
		BE = Harmonized Sales Tax (HST) CG = Federal Value-added Tax (GST) on Goods PG = State/Provincial Tax (QST) SP = Provincial Sales Tax (PST)		
TXI02	782	Monetary Amount	X R 1/18	Used
TXI10	350	Assigned Identification	O AN 1/20	Used
		This element can be used to identify the type of tax present in the TXI01 GST = Goods and Services Sales Tax HST = Harmonized Sales Tax PST = Provincial Sales Tax QST = Quebec Sales Tax		

Segment: **CAD** Carrier Detail
Position: 030
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify transportation details for the transaction
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
CAD04	140	Standard Carrier Alpha Code	X ID 2/4	Used

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 040
Loop: SAC
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:
Semantic Notes: 1 If SAC01 is "A" or "C", then SAC05 is required.
 2 SAC05 is the total amount for the service, promotion, allowance, or charge.
 If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

Comments:
Notes: When the IT1 segment is absent the Summary level SAC segment is required.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
SAC01	248	Allowance or Charge Indicator	M ID 1/1	M
If a summary SAC segment is sent, this element is required, and must correlate to the SAC table and AAP classification code provided. See approved AAP SAC code usage chart in the summary SAC segment section of this spec for additional detail.				
		A Allowance		
		C Charge		
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4	Must Use
Only SAC codes on the list provided below will be accepted by AAP.				
SAC05	610	Amount	O N2 1/15	Must Use
Do not send negative amounts in the SAC05 element.				
SAC12	331	Allowance or Charge Method of Handling Code	O ID 2/2	Must Use
		02 Off Invoice		
		06 Charge to be Paid by Customer		
SAC15	352	Description	X AN 1/80	Used

This chart provides AAP usage for each allowed SAC code. Both the Line and summary level codes are referenced here along with the AAP assigned classification for debit and credit 810 invoices.

EDI SAC Code	ANSI X12 EDI Description	AAP Use Description	GL Account	AAP A/C Classification When BIG07= "DR"	AAP A/C Classification When BIG07= "CR"
A122	Additional Tariff Classifications	Tariffs	550150	C	A
A260	Advertising Allowance	Electronic Media/Promotional/Advertising Allowance	114100	A	C
B750	Core Charge	Core Charge (line level only)	503100	C	A
B872	Customs Duty	Duties and Fees	550150	C	A
C000	Defective Allowance	Defective Allowance	114100	A	C
C260	Discount - Incentive	AR vendor incentives	114100	A	C
C680	Environmental Protection Service	ECO FEE (line level only)	258000	C	A
D240	Freight	DC Freight Charge - Minimum Order	550300	C	A
D270	Fuel Surcharge	Fuel Surcharge	550000	C	A
D530	Hazardous Cargo Charge	Pollutants Tax	564000	C	A
D880	Installation & Warranty	Warranty Allowance	114100	A	C
E180	Labor (Repair and Return Orders)	Labor Repair and Settlements	505020	C	A
E740	New Store Allowance	New Store Allowance	114060	A	C
G070	Recouping (at Owner's or Shipper's Expense)	Freight Allowance	550400	A	C
G830	Shipping and Handling	Shipping and Handling Fee - FDO Orders	560200	C	A
H090	Special Handling	Fixture Handling	806322	C	A
H200	Special Use	Second Source Special Charge	505020	C	A
H670	Tax - Federal Excise Tax, FET, on Tires	Federal Excise Tax-Tires	564000	C	A
H760	Tax - State Hazardous Substance	Pollutants Tax	564000	C	A
H850	Tax	Tax	564000	C	A
I170	Trade Discount	Trade Discount	114100	A	C
I530	Volume Discount	Volume Discount/purchase-based incentive allowance	114100	A	C

Segment: **ISS Invoice Shipment Summary**
Position: 060
Loop: ISS
Level: Summary
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume
Syntax Notes: 1 If either ISS01 or ISS02 is present, then the other is required.
 2 If either ISS03 or ISS04 is present, then the other is required.
 3 At least one of ISS01 ISS03 or ISS05 is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
ISS01	382	Number of Units Shipped	X R 1/10	Must Use
Total quantity of all line items shipped for this invoice. The number of units shipped may be zero. Please note max digits is 10, including the decimal point.				
ISS02	355	Unit or Basis for Measurement Code	X ID 2/2	Must Use
		EA Each		
ISS03	81	Weight	X R 1/10	Used
Please note max digits is 10, including the decimal point.				
ISS04	355	Unit or Basis for Measurement Code	X ID 2/2	Used
		LB Pound		

Segment: **CTT** Transaction Totals
Position: 070
Loop:
Level: Summary
Usage: Optional (Must Use)
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
CTT01	354	Number of Line Items	M N0 1/6	M

The CTT 01 is a required numeric value used to convey the number of IT1 segments in the invoice. If no IT1 segment is present, enter a value of '0' (Zero)

Segment: **SE** Transaction Set Trailer
Position: 080
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
SE01	96	Number of Included Segments	M N0 1/10	M
SE02	329	Transaction Set Control Number	M AN 4/9	M

The control number in this data element must be identical to the control number provided in the associated ST Control Header (ST02)

Segment: **GE** Functional Group Trailer
Position: 090
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information
Syntax Notes:
Semantic Notes: 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.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
GE01	97	Number of Transaction Sets Included	M N0 1/6	M
GE02	28	Group Control Number	M N0 1/9	M

The control number in this data element must be identical to the control number provided in the associated GS Control Header (GS02)

Segment: **IEA** Interchange Control Trailer
Position: 100
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
IEA01	I16	Number of Included Functional Groups	M N0 1/5	M
IEA02	I12	Interchange Control Number	M N0 9/9	M

The control number in this data element must be identical to the control number provided in the associated Interchange Control Header (ISA12).