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810 Invoice

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.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
	040	CUR	Currency	O	1		
	050	REF	Reference Identification	O	12		
			LOOP ID - N1			200	
	070	N1	Name	O	1		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	140	DTM	Date/Time Reference	O	10		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - IT1			200000	
	010	IT1	Baseline Item Data (Invoice)	O	1		
	040	TXI	Tax Information	O	10		
			LOOP ID - SAC			25	
	180	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	190	TXI	Tax Information	O	10		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	TDS	Total Monetary Value Summary	M	1		
	020	TXI	Tax Information	O	10		
			LOOP ID - SAC			25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	050	TXI	Tax Information	O	10		
	070	CTT	Transaction Totals	O	1		n1
M	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

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1.   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.

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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

	Ref. Des.	Data Element	Name		Attributes
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			810　　　　　Invoice		
M	ST02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

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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.
3   BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.
Comments: **1**   BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**BIG01**	**373**	**Date**	**M**	**DT 8/8**
			Date expressed as CCYYMMDD		
M	**BIG02**	**76**	**Invoice Number**	**M**	**AN 1/22**
			Identifying number assigned by issuer		
	BIG07	**640**	**Transaction Type Code**	**O**	**ID 2/2**
			Code specifying the type of transaction		
			CI Consolidated Invoice		

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Segment: **CUR** Currency
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:
  1 If CUR08 is present, then CUR07 is required.
  2 If CUR09 is present, then CUR07 is required.
  3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
  4 If CUR11 is present, then CUR10 is required.
  5 If CUR12 is present, then CUR10 is required.
  6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
  7 If CUR14 is present, then CUR13 is required.
  8 If CUR15 is present, then CUR13 is required.
  9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
  10 If CUR17 is present, then CUR16 is required.
  11 If CUR18 is present, then CUR16 is required.
  12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
  13 If CUR20 is present, then CUR19 is required.
  14 If CUR21 is present, then CUR19 is required.
Semantic Notes:
Comments:
  1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CUR01	98	**Entity Identifier Code**	M ID 2/3

Code identifying an organizational entity, a physical location, property or an individual
  II   Issuer of Invoice

	Ref. Des.	Data Element	Name	Attributes
M	CUR02	100	**Currency Code**	M ID 3/3

Code (Standard ISO) for country in whose currency the charges are specified

Note:
Standard Alpha ISO Codes

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Segment:	**REF** Reference Identification
Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			BM	Bill of Lading Number	
			PK	Packing List Number	
			SI	Shipper's Identifying Number for Shipment (SID)	
				A unique number (to the shipper) assigned by the shipper to identify the shipment	
	REF02	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

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Segment:	**N1** Name	
Position:	070	
Loop:	N1	Optional
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	**1**	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other 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.
	2	N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			BY	Buying Party (Purchaser)	
			SE	Selling Party	
			SF	Ship From	
			ST	Ship To	
	N102	**93**	**Name**	**X**	**AN 1/60**
			Free-form name		
	N103	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			91	Assigned by Seller or Seller's Agent	
			92	Assigned by Buyer or Buyer's Agent	
	N104	**67**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		

Note:
If N101 = BY send Volvo customer number assigned by supplier
If N101 = SE or SF send Volvo's assigned supplier number number
If N101 = ST send Volvo's assgined ship to destinations per material release or purchase orders

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Segment: N3 Address Information
Position: 090
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N301	166	**Address Information**	M AN 1/55
			Address information	

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Segment:	**N4** Geographic Location
Position:	100
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	**1** If N406 is present, then N405 is required.
Semantic Notes:	
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.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
N401	**19**	**City Name**	**O**	**AN 2/30**
		Free-form text for city name		
N402	**156**	**State or Province Code**	**O**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
N403	**116**	**Postal Code**	**O**	**ID 3/15**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	**26**	**Country Code**	**O**	**ID 2/3**
		Code identifying the country		

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Segment:	**ITD** Terms of Sale/Deferred Terms of Sale
Position:	130
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify terms of sale

Syntax Notes: **1**   If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
               2   If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
               3   If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes: **1**   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.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ITD06	**446**	**Terms Net Due Date**	**O** **DT 8/8**
		Date when total invoice amount becomes due expressed in format CCYYMMDD	

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Segment:	**DTM** Date/Time Reference
Position:	140
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.
	2 If DTM04 is present, then DTM03 is required.
	3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	DTM01	374	**Date/Time Qualifier**	M	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			011 Shipped		
	DTM02	373	**Date**	X	**DT 8/8**
			Date expressed as CCYYMMDD		

Segment:	**IT1** Baseline Item Data (Invoice)	
Position:	010	
Loop:	IT1 Optional	
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 any of IT102 IT103 or IT104 is present, then all are required.
	2	If either IT106 or IT107 is present, then the other is required.
	3	If either IT108 or IT109 is present, then the other is required.
	4	If either IT110 or IT111 is present, then the other is required.
	5	If either IT112 or IT113 is present, then the other is required.
	6	If either IT114 or IT115 is present, then the other is required.
	7	If either IT116 or IT117 is present, then the other is required.
	8	If either IT118 or IT119 is present, then the other is required.
	9	If either IT120 or IT121 is present, then the other is required.
	10	If either IT122 or IT123 is present, then the other is required.
	11	If either IT124 or IT125 is present, then the other is 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.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
IT102	**358**	**Quantity Invoiced**	**X**	**R 1/10**
		Number of units invoiced (supplier units)		
IT103	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		

EA	Each	
FT	Foot	
GA	Gallon	
GR	Gram	
HU	Hundred	
KG	Kilogram	
LB	Pound	
LT	Liter	
MR	Meter	
OZ	Ounce - Av	
T3	Thousand Pieces	

Ref. Des.	Data Element	Name	Attributes	
IT104	**212**	**Unit Price**	**X**	**R 1/17**
		Price per unit of product, service, commodity, etc.		
		Note: This value is given with 2 decimals.		
IT105	**639**	**Basis of Unit Price Code**	**O**	**ID 2/2**
		Code identifying the type of unit price for an item		

HP	Price per Hundred	
PE	Price per Each	

		TP	Price per Thousand	

IT106	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

		BP	Buyer's Part Number		

IT107	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

Note:
Volvo Part Number

IT108	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

		PO	Purchase Order Number		

IT109	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

Note:
Volvo's Purchase Order Number

IT110	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

IT111	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

IT112	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

		PD	Part Number Description		

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

Identifying number for a product or service

Note:
Volvo's Part Description

IT114	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

		VP	Vendor's (Seller's) Part Number		

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

Identifying number for a product or service

Note:
Vendor Part Number

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Segment: **TXI** Tax Information
Position: 040
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify tax information
Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.
2 If either TXI04 or TXI05 is present, then the other is required.
3 If TXI08 is present, then TXI03 is required.
Semantic Notes: 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.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	TXI01	963	Tax Type Code	M	ID 2/2
			Code specifying the type of tax		
			GS	Goods and Services Tax	
				Canadian value-added tax	
			LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)	
			PG	State or Provincial Tax on Goods	
			ST	State Sales Tax	
	TXI02	782	Monetary Amount	X	R 1/18
			Monetary amount		
	TXI03	954	Percent	X	R 1/10
			Percentage expressed as a decimal		

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Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 180
Loop: SAC Optional
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:
1 At least one of SAC02 or SAC03 is required.
2 If either SAC03 or SAC04 is present, then the other is required.
3 If either SAC06 or SAC07 is present, then the other is required.
4 If either SAC09 or SAC10 is present, then the other is required.
5 If SAC11 is present, then SAC10 is required.
6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7 If SAC14 is present, then SAC13 is required.
8 If SAC16 is present, then SAC15 is required.

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

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	SAC01	248	**Allowance or Charge Indicator**	M	ID 1/1

Code which indicates an allowance or charge for the service specified

A	Allowance
C	Charge

	Ref. Des.	Data Element	Name	Attributes	
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID 4/4

Code identifying the service, promotion, allowance, or charge

A320	Air Transportation Charge
C830	Expanded Service
D240	Freight
D900	Installation
E820	Non-returnable Containers
E890	Ocean Freight
G510	Returnable Container
G530	Rework

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	G760	Set-up		
	H090	Special Handling		
	H110	Special Packaging		
	I110	Tooling		
SAC05	**610**	**Amount**	**O**	**N2 1/15**

Monetary amount

SAC12	**331**	**Allowance or Charge Method of Handling Code**	**O**	**ID 2/2**

Code indicating method of handling for an allowance or charge

	04	Credit Customer Account
	06	Charge to be Paid by Customer

SAC15	**352**	**Description**	**X**	**AN 1/80**

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

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Segment:	**TXI** Tax Information		
Position:	190		
Loop:	SAC	Optional	
Level:	Detail		
Usage:	Optional		
Max Use:	10		
Purpose:	To specify tax information		
Syntax Notes:	1	At least one of TXI02 TXI03 or TXI06 is required.	
	2	If either TXI04 or TXI05 is present, then the other is required.	
	3	If TXI08 is present, then TXI03 is required.	
Semantic Notes:	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.	
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	TXI01	963	**Tax Type Code**		M	ID 2/2
			Code specifying the type of tax			
			GS	Goods and Services Tax		
				Canadian value-added tax		
			LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)		
			PG	State or Provincial Tax on Goods		
			ST	State Sales Tax		
	TXI02	782	**Monetary Amount**		X	R 1/18
			Monetary amount			
	TXI03	954	**Percent**		X	R 1/10
			Percentage expressed as a decimal			

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.
	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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	TDS01	610	**Amount**	M N2 1/15
			Monetary amount	

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Segment:	**TXI** Tax Information
Position:	020
Loop:	
Level:	Summary
Usage:	Optional
Max Use:	10
Purpose:	To specify tax information
Syntax Notes:	**1** At least one of TXI02 TXI03 or TXI06 is required.
	2 If either TXI04 or TXI05 is present, then the other is required.
	3 If TXI08 is present, then TXI03 is required.
Semantic Notes:	**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.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	TXI01	963	**Tax Type Code**	M	ID 2/2
			Code specifying the type of tax		
			GS	Goods and Services Tax	
				Canadian value-added tax	
			LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)	
			PG	State or Provincial Tax on Goods	
			ST	State Sales Tax	
	TXI02	782	**Monetary Amount**	X	R 1/18
			Monetary amount		
	TXI03	954	**Percent**	X	R 1/10
			Percentage expressed as a decimal		

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information		

Position: 040
Loop: SAC Optional
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:
1 At least one of SAC02 or SAC03 is required.
2 If either SAC03 or SAC04 is present, then the other is required.
3 If either SAC06 or SAC07 is present, then the other is required.
4 If either SAC09 or SAC10 is present, then the other is required.
5 If SAC11 is present, then SAC10 is required.
6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7 If SAC14 is present, then SAC13 is required.
8 If SAC16 is present, then SAC15 is required.

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

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

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	SAC01	248	**Allowance or Charge Indicator**	M	ID 1/1
			Code which indicates an allowance or charge for the service specified		
			A Allowance		
			C Charge		
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID 4/4
			Code identifying the service, promotion, allowance, or charge		
			A320 Air Transportation Charge		
			C830 Expanded Service		
			D240 Freight		
			D900 Installation		
			E820 Non-returnable Containers		
			E890 Ocean Freight		
			G510 Returnable Container		
			G530 Rework		

		G760	Set-up		
		H090	Special Handling		
		H110	Special Packaging		
SAC05	**610**	**Amount**		**O**	**N2 1/15**

Monetary amount

SAC12	**331**	**Allowance or Charge Method of Handling Code**	**O**	**ID 2/2**

Code indicating method of handling for an allowance or charge

		04	Credit Customer Account
		06	Charge to be Paid by Customer

SAC15	**352**	**Description**	**X**	**AN 1/80**

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

Note:
Description of the SAC02 code

VOLVO

Segment:	**TXI** Tax Information	
Position:	050	
Loop:	SAC	Optional
Level:	Summary	
Usage:	Optional	
Max Use:	10	
Purpose:	To specify tax information	

Syntax Notes:	**1**	At least one of TXI02 TXI03 or TXI06 is required.
	2	If either TXI04 or TXI05 is present, then the other is required.
	3	If TXI08 is present, then TXI03 is required.
Semantic Notes:	**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.
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**TXI01**	**963**	**Tax Type Code**	**M**	**ID 2/2**
			Code specifying the type of tax		
			GS	Goods and Services Tax	
				Canadian value-added tax	
			LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)	
			PG	State or Provincial Tax on Goods	
			ST	State Sales Tax	
	TXI02	**782**	**Monetary Amount**	**X**	**R 1/18**
			Monetary amount		
	TXI03	**954**	**Percent**	**X**	**R 1/10**
			Percentage expressed as a decimal		

Segment:		**CTT** Transaction Totals	
Position:		070	
Loop:			
Level:		Summary	
Usage:		Optional	
Max Use:		1	
Purpose:		To transmit a hash total for a specific element in the transaction set	
Syntax Notes:	1	If either CTT03 or CTT04 is present, then the other is required.	
	2	If either CTT05 or CTT06 is present, then the other is required.	
Semantic Notes:			
Comments:	1	This segment is intended to provide hash totals to validate transaction completeness and correctness.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CTT01	354	**Number of Line Items**	M N0 1/6
			Total number of line items in the transaction set	
	CTT02	347	**Hash Total**	O R 1/10

Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.

Example:

-.0018 First occurrence of value being hashed.

.18 Second occurrence of value being hashed.

1.8 Third occurrence of value being hashed.

18.01 Fourth occurrence of value being hashed.

1855 Hash total prior to truncation.
855 Hash total after truncation to three-digit field.

Note:
The total amount of the invoice (excluding extra costs and added tax.) i.e. the total value of the goods. The amount can be specified to a total of two decimal places

Non Automotive Products

VOLVO

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

	Ref. Des.	Data Element	Name	Attributes	
M	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments		
M	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		