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:

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
5	010	ST	Transaction Set Header	M	1		
6	020	BIG	Beginning Segment for Invoice	M	1		
7	050	REF	Reference Identification	O	12		
8	060	PER	Administrative Communications Contact	O	3		
			LOOP ID - N1			200	
9	070	N1	Name	O	1		
10	090	N3	Address Information	O	2		
11	100	N4	Geographic Location	O	1		
12	130	ITD	Terms of Sale/Deferred Terms of Sale	M	>1		
13	140	DTM	Date/Time Reference	O	10		
14	150	FOB	F.O.B. Related Instructions	O	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - IT1			200000	
15	010	IT1	Baseline Item Data (Invoice)	M	1		
			LOOP ID - PID			1000	
17	060	PID	Product/Item Description	M	1		
18	100	PO4	Item Physical Details	O	1		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
19	010	TDS	Total Monetary Value Summary	M	1		
20	030	CAD	Carrier Detail	M	1		
			LOOP ID - SAC			25	
21	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
			LOOP ID - ISS			>1	
22	060	ISS	Invoice Shipment Summary	O	1		
23	070	CTT	Transaction Totals	M	1		n1

| 24 | 080 | SE | Transaction Set Trailer | M | 1 |

Transaction Set Notes

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.

LEVEL

Level	Segments
0	ST (M, 1); BIG (M, 1)
1	REF (O, 12); PER (O, 3); N1 (O, 1) [200]; ITD (M, >1); DTM (O, 10); FOB (O, 1); IT1 (M, 1) [200000]
2	N3 (O, 2); N4 (O, 1); PID (M, 1) [1000]
3	
4	
5	
6	
7	

LEVEL			
0			
1			
2			
3			
4			
5			
6			
7			

```
                                            >1            25
  M  TDS  1   M  CAD  1   O  SAC  1   O  ISS  1   M  CTT  1   M  SE  1

                      O  PO4  1
```
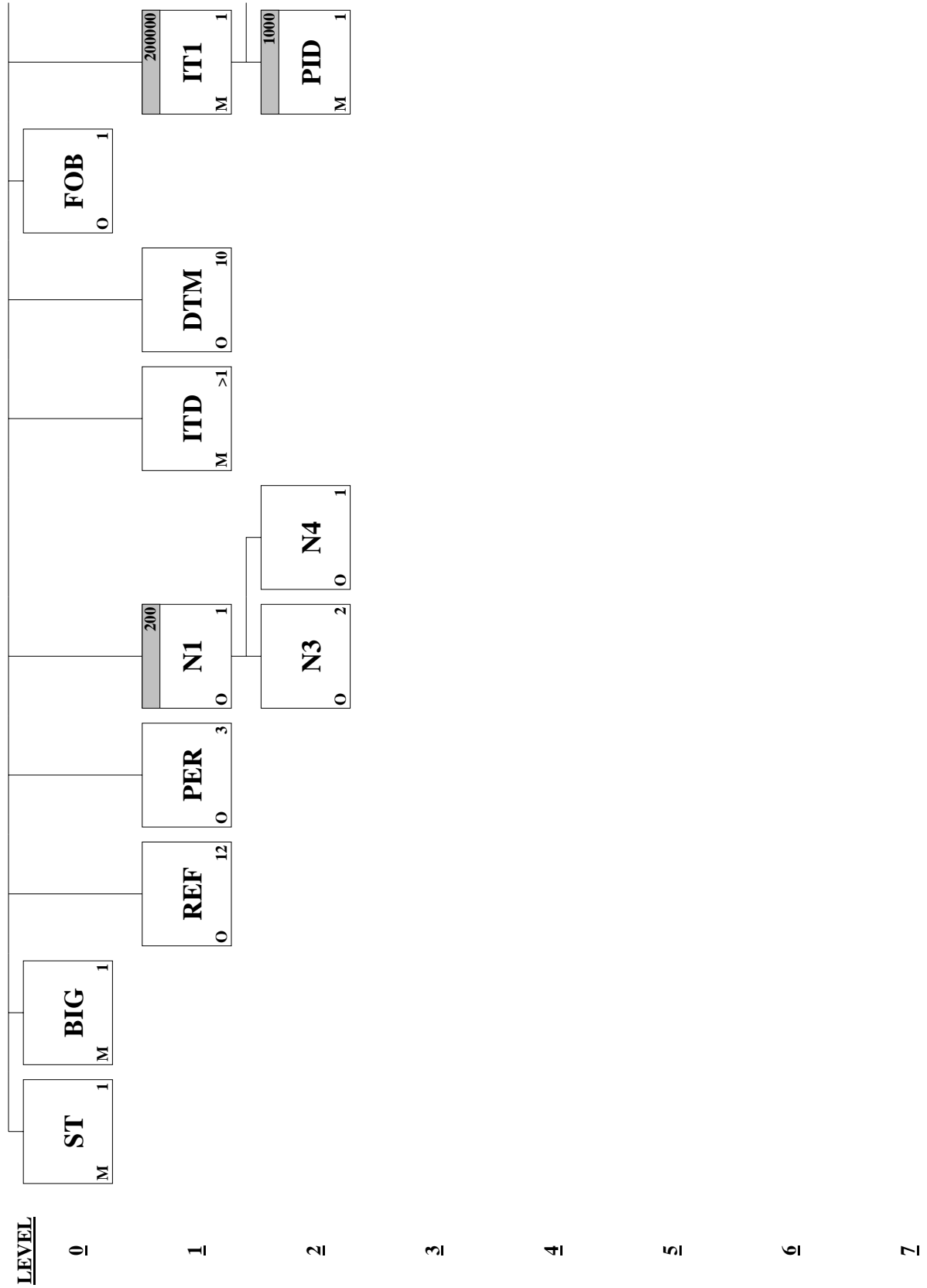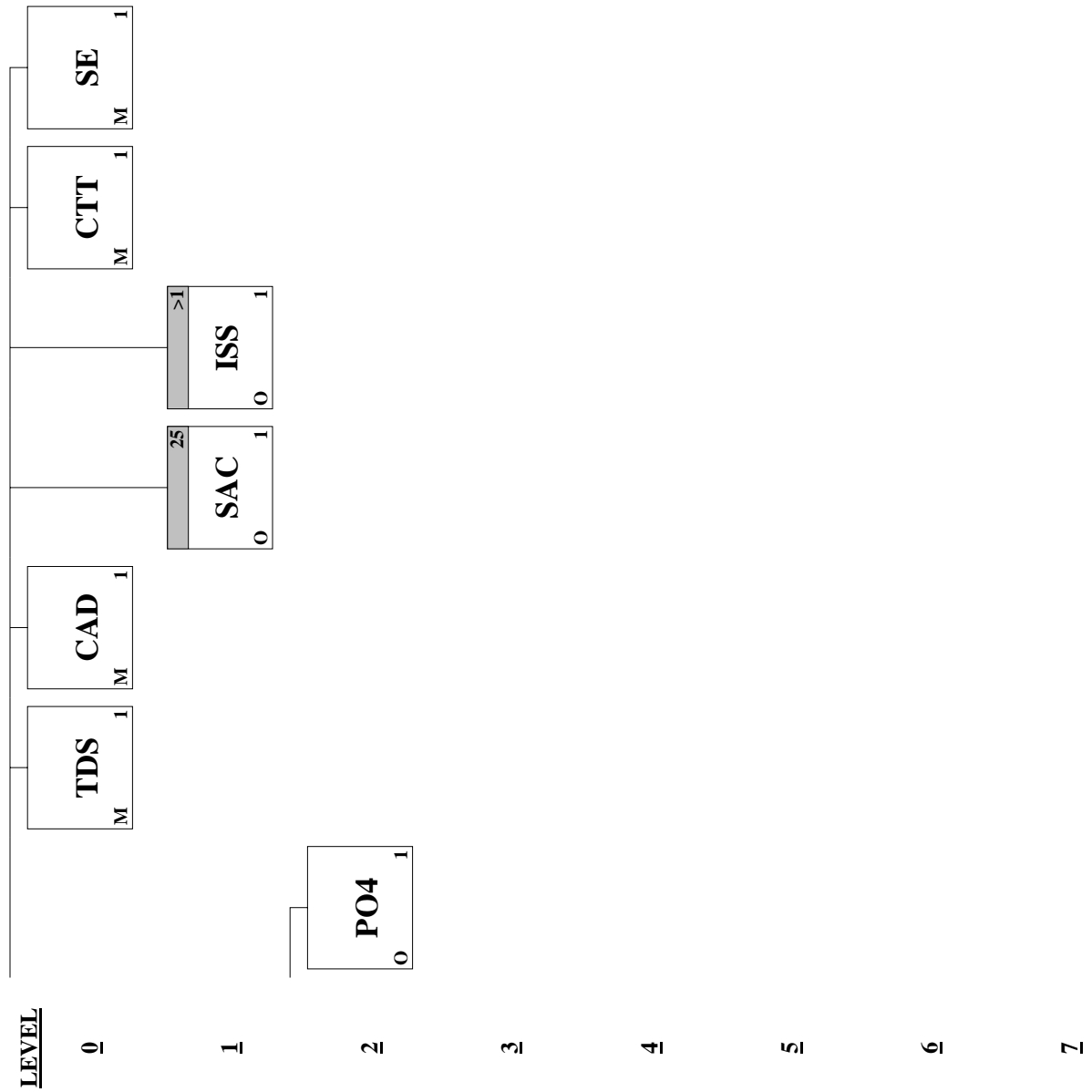
	Segment:	**ST** Transaction Set Header
	Position:	010
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the start of a transaction set and to assign a control number
	Comments:	
	Notes:	EXAMPLE: ST*810*0001~

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		

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		
Comments:	**1** BIG07 is used only to further define the type of invoice when needed.		
Notes:	EXAMPLE: BIG*20010107*987654321-00*20010101*03554321***CA*00~		

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 1/12**
			Identifying number assigned by issuer	
M	BIG03	373	**Date**	**M DT 8/8**
			Date expressed as CCYYMMDD	
M	BIG04	324	**Purchase Order Number**	**M AN 5/8**
			Identifying number for Purchase Order assigned by the orderer/purchaser	

xxxaaaaa
xxx   = Modell's department number
  aaaaa = purchase order control number

DO NOT PUT A "-" BETWEEN THE 3RD AND 4TH DIGITS

OR

aaaaa = purchase order control number
IF 3 DIGIT DEPT PREFIX IS NOT PRESENT, MUST SEND REF
SEGMENT WITH A QUALIFIER OF DP.

	Ref. Des.	Data Element	Name	Attributes
	BIG07	640	**Transaction Type Code**	**O ID 2/2**
			Code specifying the type of transaction	
			CA Cash	
			PB Partial Bill	
	BIG08	353	**Transaction Set Purpose Code**	**O ID 2/2**
			Code identifying purpose of transaction set	
			00 Original	
			07 Duplicate	
			CO Corrected	

		REF Reference Identification
Segment:		
Position:	050	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify identifying information	
Comments:		
Notes:	EXAMPLE: REF*DP*035~	
	REF*IV*987654321-00	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			DP Department Number		
			IV Seller's Invoice Number		
>>	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		

	Segment:	**PER** Administrative Communications Contact
	Position:	060
	Loop:	
	Level:	Heading
	Usage:	Optional
	Max Use:	3
	Purpose:	To identify a person or office to whom administrative communications should be directed
	Comments:	
	Notes:	EXAMPLE: PER*CR*JOHNPUBLIC*TE*12128221000~

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PER01	366	**Contact Function Code**	**M ID 2/2**

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

CR		Customer Relations
SR		Sales Representative or Department

	Ref. Des.	Data Element	Name	Attributes
	PER02	93	**Name**	**O AN 1/20**

Free-form name

	Ref. Des.	Data Element	Name	Attributes
	PER03	365	**Communication Number Qualifier**	**X ID 2/2**

Code identifying the type of communication number

TE		Telephone

	Ref. Des.	Data Element	Name	Attributes
	PER04	364	**Communication Number**	**X AN 1/20**

Complete communications number including country or area code when applicable

Segment:	**N1** Name		
Position:	070		
Loop:	N1	Optional (Must Use)	
Level:	Heading		
Usage:	Optional (Must Use)		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
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.	
Notes:	EXAMPLE: N1*VN*YOUR COMPANY*92*XXXXXX~ (mandatory)		
		N1*ST*MODELL'S DC*92*002~	
		N1*RI*NIKE INC*92*00224~	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	M ID 2/2
			Code identifying an organizational entity, a physical location, property or an individual	
			If N101 is VN, N104 is to be 6 digit Modell's vendor number. (mandatory)	
			if po is a ship to dc mark for store then an N1*st and N1*Z7 are requested.	
			if po is ship direct to the store N1*Z7 is requested	
			RI Remit To	
			ST Ship To	
			VN Vendor	
			Z7 Mark-for Party	
			The party for whom the needed material is intended	
	N102	93	**Name**	X AN 1/20
			Free-form name	
	N103	66	**Identification Code Qualifier**	X ID 2/2
			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 2/10
			Code identifying a party or other code	

Segment:	**N3** Address Information	
Position:	090	
Loop:	N1 Optional (Must Use)	
Level:	Heading	
Usage:	Optional	
Max Use:	2	
Purpose:	To specify the location of the named party	
Comments:		
Notes:	EXAMPLE: N3*1500 PENNSYLVANIA AVE~	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N301	**166**	**Address Information**	**O AN 1/32**
		Address information	

Segment:	**N4** Geographic Location	
Position:	100	
Loop:	N1 Optional (Must Use)	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the geographic place of the named party	
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.	
Notes:	EXAMPLE: N4*WASHINGTON*DC*07008-1111~	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	19	**City Name**	O AN 2/19
		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 5/10
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	

	Segment:	**ITD** Terms of Sale/Deferred Terms of Sale
	Position:	130
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	>1
	Purpose:	To specify terms of sale
	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.
	Notes:	EXAMPLE: ITD*01*2****20010801*30*****NET30~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	ITD01	336	**Terms Type Code**	O	**ID 2/2**
			Code identifying type of payment terms		
			01 Basic		
			02 End of Month (EOM)		
			05 Discount Not Applicable		
			12 10 Days After End of Month (10 EOM)		
			24 Anticipation		
			A discount allowance given when an invoice is paid before its due date (anticipation = (agreed rate/365) x invoice amount x number of days early)		
	ITD02	333	**Terms Basis Date Code**	O	**ID 1/2**
			Code identifying the beginning of the terms period		
			1 Ship Date		
			2 Delivery Date		
			3 Invoice Date		
			7 Effective Date		
M	ITD06	446	**Terms Net Due Date**	M	**DT 8/8**
			Date when total invoice amount becomes due expressed in format CCYYMMDD		
	ITD07	386	**Terms Net Days**	O	**N0 1/3**
			Number of days until total invoice amount is due (discount not applicable)		
>>	ITD12	352	**Description**	O	**AN 1/20**
			A free-form description to clarify the related data elements and their content		

Segment:	**DTM** Date/Time Reference			
Position:	140			
Loop:				
Level:	Heading			
Usage:	Optional			
Max Use:	10			
Purpose:	To specify pertinent dates and times			
Comments:				
Notes:	EXAMPLE: DTM*011*20010715~			

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:		**FOB** F.O.B. Related Instructions			
Position:		150			
Loop:					
Level:		Heading			
Usage:		Optional			
Max Use:		1			
Purpose:		To specify transportation instructions relating to shipment			
Comments:					
Notes:		EXAMPLE: FOB*PC*WH*MODELLS DC~			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	FOB01	146	**Shipment Method of Payment**	M	**ID 2/2**
			Code identifying payment terms for transportation charges		
			CC Collect		
			CF Collect, Freight Credited Back to Customer		
			PC Prepaid but Charged to Customer		
			PO Prepaid Only		
			PP Prepaid (by Seller)		
	FOB02	309	**Location Qualifier**	X	**ID 1/2**
			Code identifying type of location		
			FA Factory		
			WH Warehouse		
	FOB03	352	**Description**	O	**AN 1/30**
			A free-form description to clarify the related data elements and their content		

Segment:		**IT1** Baseline Item Data (Invoice)		
Position:		010		
Loop:		IT1 Mandatory		
Level:		Detail		
Usage:		Mandatory		
Max Use:		1		
Purpose:		To specify the basic and most frequently used line item data for the invoice and related transactions		
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:		EXAMPLE: IT1**100*EA*1.25*WE*UP*400123789101*VA*5-101~		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	IT101	350	**Assigned Identification**	O	AN 1/6
			Alphanumeric characters assigned for differentiation within a transaction set		
>>	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		
			DZ Dozen		
			EA Each		
			PR Pair		
M	IT104	212	**Unit Price**	M	R 1/14
			Price per unit of product, service, commodity, etc.		
	IT105	639	**Basis of Unit Price Code**	O	ID 2/2
			Code identifying the type of unit price for an item		
			NC No Charge		
			WD Wholesale Price per Dozen		
			WE Wholesale Price per Each		
M	IT106	235	**Product/Service ID Qualifier**	M	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			EN European Article Number (EAN) (2-5-5-1)		
			UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)		
			A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit		
			UP U.P.C. Consumer Package Code (1-5-5-1)		
M	IT107	234	**Product/Service ID**	M	AN 1/20
			Identifying number for a product or service		
M	IT108	235	**Product/Service ID Qualifier**	M	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			VA Vendor's Style Number		
M	IT109	234	**Product/Service ID**	M	AN 1/20

Identifying number for a product or service

Segment:	**PID** Product/Item Description			
Position:	060			
Loop:	PID Mandatory			
Level:	Detail			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To describe a product or process in coded or free-form format			
Comments:	1	If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.		
	2	Use PID06 when necessary to refer to the product surface or layer being described in the segment.		
	3	PID07 specifies the individual code list of the agency specified in PID03.		
Notes:	EXAMPLE: PID*F*08***DESKLAMP~			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**PID01**	**349**	**Item Description Type**	**M**	**ID 1/1**
			Code indicating the format of a description		
			F Free-form		
			S Structured (From Industry Code List)		
			X Semi-structured (Code and Text)		
	PID02	**750**	**Product/Process Characteristic Code**	**O**	**ID 2/3**
			Code identifying the general class of a product or process characteristic		
			08 Product		
	PID05	**352**	**Description**	**X**	**AN 1/30**
			A free-form description to clarify the related data elements and their content		

Segment:	**PO4** Item Physical Details	
Position:	100	
Loop:	IT1 Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item	
Comments:	**1**	PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
	2	PO413 defines the unit of measure for PO410, PO411, and PO412.
Notes:	example: PO4*6~	
	ENTIRE SEGMENT IS OPTIONAL	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO401	356	**Pack**	**O N0 1/6**
		The number of inner containers, or number of eaches if there are no inner containers, per outer container	

		TDS Total Monetary Value Summary
Segment:		
Position:	010	
Loop:		
Level:	Summary	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify the total invoice discounts and amounts	
Comments:	**1**	TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.
Notes:	EXAMPLE: TDS*40959~	

Data Element Summary

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

Segment:	**CAD** Carrier Detail				
Position:	030				
Loop:					
Level:	Summary				
Usage:	Mandatory				
Max Use:	1				
Purpose:	To specify transportation details for the transaction				
Comments:					
Notes:	EXAMPLE: CAD*T***REDS*REDSTAR EXPRESS LINES**BM*0-112233~				

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
CAD01	91	**Transportation Method/Type Code**		O	ID 1/2
		Code specifying the method or type of transportation for the shipment			
		H	Customer Pickup		
		M	Motor (Common Carrier)		
		T	Best Way (Shippers Option)		
CAD04	140	**Standard Carrier Alpha Code**		X	ID 2/4
		Standard Carrier Alpha Code			
CAD05	387	**Routing**		X	AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity			
CAD07	128	**Reference Identification Qualifier**		O	ID 2/3
		Code qualifying the Reference Identification			
		BM	Bill of Lading Number		
		CN	Carrier's Reference Number (PRO/Invoice)		
CAD08	127	**Reference Identification**		X	AN 1/20
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

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		
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.	
Notes:	EXAMPLE: SAC*A*C000****3*10*****02***10% DISCOUNT OFF INVOICE~		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
	SAC01	248	**Allowance or Charge Indicator**	O 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	
			A260 Advertising Allowance	
			C000 Defective Allowance	
			D240 Freight	
			E740 New Store Allowance	
			E750 New Store Discount	
			I570 Warehouse	
M	SAC05	610	**Amount**	M N2 1/15
			Monetary amount	
	SAC06	378	**Allowance/Charge Percent Qualifier**	X ID 1/1
			Code indicating on what basis allowance or charge percent is calculated	
			3 Discount/Gross	
			4 Discount/Net	
	SAC07	332	**Percent**	X R 1/6
			Percent expressed as a percent	
	SAC11	380	**Quantity**	O R 1/15
			Numeric value of quantity	
	SAC12	331	**Allowance or Charge Method of Handling Code**	O ID 2/2
			Code indicating method of handling for an allowance or charge	
			01 Bill Back	
			02 Off Invoice	
			04 Credit Customer Account	
			05 Charge to be Paid by Vendor	
			06 Charge to be Paid by Customer	
	SAC15	352	**Description**	X AN 1/30
			A free-form description to clarify the related data elements and their content	

Segment:	**ISS** Invoice Shipment Summary
Position:	060
Loop:	ISS Optional
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To specify summary details of total items shipped in terms of quantity, weight, and volume
Comments:	
Notes:	EXAMPLE: ISS*1000*EA

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ISS01	**382**	**Number of Units Shipped**	**X R 1/10**
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
ISS02	**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	
		CA Case	
		EA Each	

Segment:	**CTT** Transaction Totals	
Position:	070	
Loop:		
Level:	Summary	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To transmit a hash total for a specific element in the transaction set	
Comments:	**1** This segment is intended to provide hash totals to validate transaction completeness and correctness.	
Notes:	EXAMPLE: CTT*14~	

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	

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)		
Comments:	**1** SE is the last segment of each transaction set.		
Notes:	EXAMPLE: SE*14*0001~		

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	