810 Invoice - Target Stores

Revised: January 25, 2001

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.

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		
M	050	REF	Reference Identification	M	12		
			LOOP ID - N1			200	
M	070	N1	Name	M	1		
M	130	ITD	Terms of Sale/Deferred Terms of Sale	M	>1		
M	140	DTM	Date/Time Reference	M	10		
			LOOP ID - N9			1	
	240	N9	Reference Identification	O	1		
	250	MSG	Message Text	O	10		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - IT1			200000	
M	010	IT1	Baseline Item Data (Invoice)	M	1		
	030	IT3	Additional Item Data	C	5		
			LOOP ID - PID			1000	
	060	PID	Product/Item Description	O	1		
	100	PO4	Item Physical Details	O	1		
			LOOP ID - SAC			25	
	180	SAC	Service, Promotion, Allowance, or Charge Information	C	1		

Summary:

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

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:
Notes:

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************************************************************
Sample ST Segment
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ST*810*0001
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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
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.

Notes:

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Sample BIG Segment
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BIG*20000619*IN12345**0058-0456789-0551

BIG*20000123*IN12345**0058-1234567
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Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	BIG01	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
			Invoice date		
M	BIG02	76	**Invoice Number**	M	AN 1/22
			Identifying number assigned by issuer		
			Target Stores will use the first 11 alphanumeric characters.		
	BIG03	373	**Date**	O	DT 8/8
			Date expressed as CCYYMMDD		
			Not used by Target Stores		
M	BIG04	324	**Purchase Order Number**	M	AN 12/17
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			Return the PO number as it was sent to you in the 850 BEG segment.		
	BIG05	328	**Release Number**	O	AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		
	BIG06	327	**Change Order Sequence Number**	O	AN 1/8
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set		
			Not used by Target Stores		
	BIG07	640	**Transaction Type Code**	O	ID 2/2
			Code specifying the type of transaction		

NOT USED BY TARGET STORES. Only original invoices are accepted electronically.

All other invoices for credits, displays, samples, freight only, pallet charges, etc., MUST be on paper and mailed to the appropriate area or:

EDI Invoicing Department
Target Stores NOC
6499 University Ave NE
Fridley, MN 55432

Segment: **REF** Reference Identification

Position:	050
Loop:	
Level:	Heading
Usage:	Mandatory
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:	
Notes:	

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Sample REF Segment
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REF*IA*1234567  (mandatory to process for payment)

REF*PD*9876543210  (send only if received on 850 PO)
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Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			IA — Internal Vendor Number		
			Mandatory to process for payment		
			PD — Promotion/Deal Number		
			Send only if received on 850 Purchase Order		
M	REF02	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			IA qualifier data: Target Stores-assigned vendor number		
			PD qualifier data: Promotion/deal number.		

Segment: **N1** Name

Position:	070
Loop:	N1 Mandatory
Level:	Heading
Usage:	Mandatory
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.

Notes:
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Sample N1 Segments
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N1*BY**92*0551

N1*ST**92*NART
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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		
			BS — Bill and Ship To		
			To be used for Predistro only.		
			BY — Buying Party (Purchaser)		
			BY occurrence MUST be sent (unless Predistro). This is the ultimate destination of the merchandise.		
			ST — Ship To		
			ST occurrence must be sent IF "Ship To" location is different from Buying Party. This is where the merchandise is actually shipped.		
	N102	93	**Name**	**X**	**AN 1/60**
			Free-form name		
			Not used by Target Stores		
M	**N103**	66	**Identification Code Qualifier**	**M**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			92 — Assigned by Buyer or Buyer's Agent		
M	**N104**	67	**Identification Code**	**M**	**AN 2/80**
			Code identifying a party or other code		
			4-digit location or Consolidator SCAC		

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
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.

Notes:

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ATTENTION: New Store Discount/Terms MUST be sent in the ITD segment, not in any SAC segment.

At least one of ITD04, ITD05, ITD06 or ITD07 must be sent.

Sample ITD Segment

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ITD*01*2****20000324*30
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Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	ITD01	336	**Terms Type Code**	M	**ID 2/2**
			Code identifying type of payment terms		
			01　　　Basic		
			02　　　End of Month (EOM)		
			03　　　Fixed Date		
			This code will be eliminated with GMS.		
			05　　　Discount Not Applicable		
			This code will be eliminated with GMS.		
			08　　　Basic Discount Offered		
			This code will be eliminated with GMS.		
			09　　　Proximo		
			This code will be eliminated with GMS.		
			12　　　10 Days After End of Month (10 EOM)		
			This code will be eliminated with GMS.		
			14　　　Previously agreed upon		
			This code is new with GMS.		
M	ITD02	333	**Terms Basis Date Code**	M	**ID 1/2**
			Code identifying the beginning of the terms period		
			2　　　Delivery Date		
			3　　　Invoice Date		
	ITD03	338	**Terms Discount Percent**	O	**R 1/6**
			Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
			Terms=Normal Terms + New Store Terms (if applicable)		
	ITD04	370	**Terms Discount Due Date**	C	**DT 8/8**
			Date payment is due if discount is to be earned expressed in format CCYYMMDD		
	ITD05	351	**Terms Discount Days Due**	C	**N0 1/3**
			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**

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)

ITD08	**362**	**Terms Discount Amount**	**O**	**N2 1/10**

Total amount of terms discount

Segment: **DTM** Date/Time Reference

Position:	140
Loop:	
Level:	Heading
Usage:	Mandatory
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:	

Notes:

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*********************************************************
Sample DTM Segment
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DTM*011*20000619
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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		
M	DTM02	373	**Date**	M	**DT 8/8**
			Date expressed as CCYYMMDD		
			MUST be actual date shipped		

Segment: **N9** Reference Identification

Position:	240
Loop:	N9 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of N902 or N903 is required.
	2 If N906 is present, then N905 is required.
	3 If either C04003 or C04004 is present, then the other is required.
	4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 N906 reflects the time zone which the time reflects.
	2 N907 contains data relating to the value cited in N902.
Comments:	
Notes:	This segment and the MSG segment replace the NTE segment.

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Sample N9 Segment
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N9*ZZ*CER

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Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			ZZ Mutually Defined		
	N902	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			CER - Certification Narrative		

Segment: MSG Message Text

Position:	250
Loop:	N9 Optional
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To provide a free-form format that allows the transmission of text information
Syntax Notes:	1 If MSG03 is present, then MSG02 is required.
Semantic Notes:	1 MSG03 is the number of lines to advance before printing.
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
	2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.
Notes:	This segment is provided for those vendors who are required by Target Store's legal Purchase Order terms of sale to have specific text on each invoice related to specific items (i.e. textile fibers, flammables, wool products, etc.) It is SOLELY the vendor's responsibility to use this segment and to enter the required text when required to do so.

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**************************************************************
Sample MSG Segment
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MSG*Hazardous Material
**************************************************************
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Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	MSG01	933	**Free-Form Message Text**	M	AN 1/264
			Free-form message text		

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
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.

Notes:
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Sample IT1 Segment
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IT1**10*EA*1.56**CB*058020714*UP*123456789012

IT1**50*EA*10**CB*058030825*UP*234567890123
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Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	IT101	**350**	**Assigned Identification**	**O**	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
			Not used by Target Stores		
M	**IT102**	**358**	**Quantity Invoiced**	**M**	**R 1/10**
			Number of units invoiced (supplier units)		
			Number of selling units (eaches)		
M	**IT103**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Must invoice in eaches (selling units)		
			EA Each		
M	**IT104**	**212**	**Unit Price**	**M**	**R 1/17**
			Price per unit of product, service, commodity, etc.		
			Price per each (selling unit). Should equal PO unit cost.		
			Decimal point MUST be used (i.e. $1.56 must be '1.56' and $5.00 could be '5' or '5.00').		
	IT105	**639**	**Basis of Unit Price Code**	**O**	**ID 2/2**
			Code identifying the type of unit price for an item		
			Not used by Target Stores		

| 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)

Either a CB or UP or UI must be sent.

| | | | CB | Buyer's Catalog Number |
| | | | UI | U.P.C. Consumer Package Code (1-5-5) |

To be used by direct to store delivery beverage vendors
only.

| | | | UP | U.P.C. Consumer Package Code (1-5-5-1) |

| M | IT107 | 234 | **Product/Service ID** | **M** | **AN 1/48** |

Identifying number for a product or service

If Qualifier='CB', IT107 and IT109 must be a 9-digit NUMERIC format as sent
on 850 Purchase Order in PO107 element. NO alpha characters or other
symbols.

| | 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)

| | | | CB | Buyer's Catalog Number |
| | | | UI | U.P.C. Consumer Package Code (1-5-5) |

To be used by direct to store delivery beverage vendors
only.

| | | | UP | U.P.C. Consumer Package Code (1-5-5-1) |

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

Identifying number for a product or service

Segment: IT3 Additional Item Data

Position:	030
Loop:	IT1 Mandatory
Level:	Detail
Usage:	Conditional
Max Use:	5
Purpose:	To specify additional item details relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities
Syntax Notes:	1 If either IT301 or IT302 is present, then the other is required.
	2 At least one of IT301 IT303 IT304 or IT305 is required.
Semantic Notes:	
Comments:	
Notes:	**

MUST be used for SUBSTITUTIONS.

If this segment is sent, the accompanying PID segment MUST also be sent.

Sample IT3 Segment
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IT3***IS
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Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	IT301	**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		
			Not used by Target Stores		
	IT302	**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		
			Not used by Target Stores		
M	**IT303**	**368**	**Shipment/Order Status Code**	M	**ID 2/2**
			Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction		
			IS Item Represents Substitution from Original Order		

Segment: **PID** Product/Item Description

Position:	060
Loop:	PID Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format

Syntax Notes:
1. If PID04 is present, then PID03 is required.
2. At least one of PID04 or PID05 is required.
3. If PID07 is present, then PID03 is required.
4. If PID08 is present, then PID04 is required.
5. If PID09 is present, then PID05 is required.

Semantic Notes:
1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:
1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Notes:
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*********************************************************
Sample PID Segment
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PID*F****DESCRIPTION OF ITEM
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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		
	PID02	750	**Product/Process Characteristic Code**	O	ID 2/3
			Code identifying the general class of a product or process characteristic		
			Not used by Target Stores		
	PID03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			Not used by Target Stores		
	PID04	751	**Product Description Code**	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
			Not used by Target Stores		
M	PID05	352	**Description**	M	AN 1/80
			A free-form description to clarify the related data elements and their content		
			A free-form description to clarify related preceding IT1 segment.		

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
Syntax Notes:	1 If either PO402 or PO403 is present, then the other is required.
	2 If PO405 is present, then PO406 is required.
	3 If either PO406 or PO407 is present, then the other is required.
	4 If either PO408 or PO409 is present, then the other is required.
	5 If PO410 is present, then PO413 is required.
	6 If PO411 is present, then PO413 is required.
	7 If PO412 is present, then PO413 is required.
	8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
	9 If PO417 is present, then PO416 is required.
	10 If PO418 is present, then PO404 is required.
Semantic Notes:	1 PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
	2 PO416 is the package identifier or the beginning package identifier in a range of identifiers.
	3 PO417 is the ending package identifier in a range of identifiers.
	4 PO418 is the number of packages in this layer.
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:

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ATTENTION: Send PO4 data EXACTLY as received in 850 Purchase Order, provided the version of the 850 and 810 are the same.

Sample PO4 Segment
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PO4*2************5

PO4*50

PO401 is the number of inner cartons or the number of selling units in a carton if there are no inners.
PO414 is the number of selling units per inner carton.
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Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**PO401**	356	**Pack**	M	**N0 1/6**
			The number of inner containers, or number of eaches if there are no inner containers, per outer container		
	PO402	357	**Size**	C	**R 1/8**
			Size of supplier units in pack		
			Not used by Target Stores		
	PO403	355	**Unit or Basis for Measurement Code**	C	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		

PO404   **103**   **Packaging Code**   **X**   **AN 3/5**

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

CNT	Container
71	Not Otherwise Specified

PO405   **187**   **Weight Qualifier**   **O**   **ID 1/2**

Code defining the type of weight

Refer to 004010 Data Element Dictionary for acceptable code values.

PO406   **384**   **Gross Weight per Pack**   **X**   **R 1/9**

Numeric value of gross weight per pack

PO407   **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

Refer to 004010 Data Element Dictionary for acceptable code values.

PO408   **385**   **Gross Volume per Pack**   **X**   **R 1/9**

Numeric value of gross volume per pack

PO409   **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

Refer to 004010 Data Element Dictionary for acceptable code values.

PO410   **82**   **Length**   **X**   **R 1/8**

Largest horizontal dimension of an object measured when the object is in the upright position

PO411   **189**   **Width**   **X**   **R 1/8**

Shorter measurement of the two horizontal dimensions measured with the object in the upright position

PO412   **65**   **Height**   **X**   **R 1/8**

Vertical dimension of an object measured when the object is in the upright position

PO413   **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

PO414   **810**   **Inner Pack**   **O**   **N0 1/6**

The number of eaches per inner container

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

Position:	180
Loop:	SAC Conditional
Level:	Detail
Usage:	Conditional
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.

Notes:
```
*********************************************************
```
Target Stores prefer that allowances/charges be sent at the Summary level. However, if Detail is used, do not total the separate line items and send that total in the SAC Summary level segment also. Both the line detail and the summary level can be used as long as the types of allowances/charges are different, i.e. line detail used for promotional allowances and free goods that apply to a specific item; summary level used for freight charges that apply to the total invoices.

ATTENTION: New Store Discount/Terms MUST be sent in the ITD segment, not in any SAC segment.

Sample SAC Segment
_____
SAC*A*C310***1542*******02***DISCOUNT
```
*********************************************************
```

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
N	No Allowance or Charge
	Free goods

M	**SAC02**	**1300**	**Service, Promotion, Allowance, or Charge Code**	**M**	**ID 4/4**

Code identifying the service, promotion, allowance, or charge

C310	Discount
	NOT New Store Allowance/Discount. See ITD segment notes.
D170	Free Goods
H000	Special Allowance

SAC03	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**

Code identifying the agency assigning the code values

Not used by Target Stores

SAC04	**1301**	**Agency Service, Promotion, Allowance, or Charge Code**	**X**	**AN 1/10**

Agency maintained code identifying the service, promotion, allowance, or charge

Not used by Target Stores

M	**SAC05**	**610**	**Amount**	**M**	**N2 1/15**

Monetary amount

Amount of Allowance or Charge IF SAC01 is 'A' or 'C'.

Send zero (0) if SAC01 is 'N'.

SAC06	**378**	**Allowance/Charge Percent Qualifier**	**X**	**ID 1/1**

Code indicating on what basis allowance or charge percent is calculated

Not used by Target Stores

SAC07	**332**	**Percent**	**X**	**R 1/6**

Percent expressed as a percent

Not used by Target Stores

SAC08	**118**	**Rate**	**O**	**R 1/9**

Rate expressed in the standard monetary denomination for the currency specified

Not used by Target Stores

SAC09	**355**	**Unit or Basis for Measurement Code**	**C**	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Used only when SAC01 is 'N' for Free Goods

EA	Each

SAC10	**380**	**Quantity**	**C**	**R 1/15**

Numeric value of quantity

Units of Free Goods; used only when SAC01 is 'N'.

SAC11	**380**	**Quantity**	**O**	**R 1/15**

Numeric value of quantity

Not used by Target Stores

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

Code indicating method of handling for an allowance or charge

02	Off Invoice

SAC13	**127**	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not used by Target Stores

SAC14	**770**	**Option Number**	**O**	**AN 1/20**

A unique number identifying available promotion or allowance options when more than one is offered

Not used by Target Stores

| M | SAC15 | 352 | **Description** | **M** | **AN 1/80** |

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

Free-form description of allowance or charge.

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.

Notes:

```
**********************************************************
Sample TDS Segment
_____
TDS*53060
**********************************************************
```

Data Element Summary

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

Segment: CAD Carrier Detail

Position:	030
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To specify transportation details for the transaction
Syntax Notes:	1 At least one of CAD05 or CAD04 is required.
	2 If CAD07 is present, then CAD08 is required.
Semantic Notes:	
Comments:	
Notes:	

```
**********************************************************
Sample CAD Segment
_____

CAD*M***RDWY*ROADWAY**CN*123456
**********************************************************
```

Data Element Summary

	Ref. **Des.**	Data Element	Name		Attributes	
M	**CAD01**	**91**	**Transportation Method/Type Code**		**M**	**ID 1/2**

Code specifying the method or type of transportation for the shipment

A	Air
AE	Air Express
B	Barge
BU	Bus
C	Consolidation
CE	Customer Pickup / Customer's Expense
D	Parcel Post
E	Expedited Truck
H	Customer Pickup
L	Contract Carrier
M	Motor (Common Carrier)
P	Private Carrier
S	Ocean
T	Best Way (Shippers Option)
	This code is NOT preferred. Select the code which specifically states how merchandise was shipped.
U	Private Parcel Service

	Ref. Des.	Data Element	Name		Attributes	
	CAD02	**206**	**Equipment Initial**		**O**	**AN 1/4**

Prefix or alphabetic part of an equipment unit's identifying number

Not used by Target Stores

	Ref. Des.	Data Element	Name		Attributes	
	CAD03	**207**	**Equipment Number**		**O**	**AN 1/10**

Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

Not used by Target Stores

	Ref. Des.	Data Element	Name		Attributes	
	CAD04	**140**	**Standard Carrier Alpha Code**		**C**	**ID 2/4**

Standard Carrier Alpha Code

CAD04 is preferred. Either CAD04 or CAD05 must be sent.

SAMPLE LIST OF COMMON SCAC CODES:
BNAF   Burlington Air
CFWY   Consolidated Freightways
DART   Dart Transit
DSLU   DSL (Southgate, CA)
FMEC   Fredrickson (usually ships to SOCS)
HJBT   JB Hunt

		HYMF Hyman Freightways RDWY Roadway VIKN Viking Freight		
CAD05	**387**	**Routing**	**C**	**AN 1/35**
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		
		CAD04 is preferred. Either CAD04 or CAD05 must be sent.		
CAD06	**368**	**Shipment/Order Status Code**	**O**	**ID 2/2**
		Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction		
		Not used by Target Stores		
CAD07	**128**	**Reference Identification Qualifier**	**C**	**ID 2/3**
		Code qualifying the Reference Identification		
		PRO number is preferred. If CAD01 is 'U', the CAD07 and CAD08 are NOT needed.		
		BM Bill of Lading Number CN Carrier's Reference Number (PRO/Invoice)		
CAD08	**127**	**Reference Identification**	**C**	**AN 1/30**
		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 Conditional
Level:	Summary
Usage:	Conditional
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.

Notes:

****

Target Stores prefer that allowances/charges be sent at the Summary level. However, if Detail is used, do not total the separate line items and send that total in the SAC Summary level segment also. Both the line detail and the summary level can be used as long as the types of allowances/charges are different, i.e. line detail used for promotional allowances and free goods that apply to a specific item; summary level used for freight charges that apply to the total invoice.

ATTENTION: New Store Discount/Terms MUST be sent in the ITD segment, not in any SAC segment.

Sample SAC Segment
_____
SAC*C*D240***1500******02***FREIGHT CHARGE
****

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 | | |

M	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	M	ID 4/4

Code identifying the service, promotion, allowance, or charge

NOT New Store Allowance/Discount. See ITD segment notes.

| | | | C310 | Discount | | |

NOT New Store Allowance/Discount

			D240	Freight		
			H000	Special Allowance		
			H850	Tax		

	SAC03	559	**Agency Qualifier Code**	X	ID 2/2

Code identifying the agency assigning the code values

Not used by Target Stores

	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	AN 1/10

Agency maintained code identifying the service, promotion, allowance, or charge

Not used by Target Stores

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

Not used by Target Stores

	SAC07	332	**Percent**	X	R 1/6

Percent expressed as a percent

Not used by Target Stores

	SAC08	118	**Rate**	O	R 1/9

Rate expressed in the standard monetary denomination for the currency specified

Not used by Target Stores

	SAC09	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

Not used by Target Stores

	SAC10	380	**Quantity**	X	R 1/15

Numeric value of quantity

Not used by Target Stores

	SAC11	380	**Quantity**	O	R 1/15

Numeric value of quantity

Not used by Target Stores

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

Code indicating method of handling for an allowance or charge

| | | | 02 | Off Invoice | | |

	SAC13	127	**Reference Identification**	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not used by Target Stores

	SAC14	770	**Option Number**	O	AN 1/20

A unique number identifying available promotion or allowance options when more than one is offered

Not used by Target Stores

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

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

Segment: **ISS** Invoice Shipment Summary

Position:	060
Loop:	ISS Mandatory
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To specify summary details of total items shipped in terms of quantity, weight, and volume
Syntax Notes:	**1** At least one of ISS01 ISS03 or ISS05 is required.
	2 If either ISS01 or ISS02 is present, then the other is required.
	3 If either ISS03 or ISS04 is present, then the other is required.
	4 If either ISS05 or ISS06 is present, then the other is required.
Semantic Notes:	**1** ISS07 is the quantity of third party pallets.
	2 ISS08 is the gross weight of third party pallets in pounds.
Comments:	
Notes:	

```
***********************************************************
EA and CA occurrences MUST be sent.

Sample ISS Segment
_____
ISS*60*EA*30*LB
ISS*3*CA*30*LB

*Please note:
The usage of the ISS loop is >1, and the loop contains only the ISS segment.  Therefore,
you may send multiple ISS segments (loops) even though the segment usage is 1.
***********************************************************
```

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	ISS01	382	**Number of Units Shipped**	M	R 1/10
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set		
M	ISS02	355	**Unit or Basis for Measurement Code**	M	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
                        Used in occurrence 2
    CT   Carton
                        Alternative for occurrence 2
    EA   Each
                        Used in occurrence 1

	Ref. Des.	Data Element	Name		Attributes
M	ISS03	81	**Weight**	M	R 1/10
			Numeric value of weight		
M	ISS04	355	**Unit or Basis for Measurement Code**	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		

    LB   Pound

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
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.

Notes:
```
************************************************************
Sample CTT Segment
_____
CTT*2
************************************************************
```

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		
		Total number of IT1 segments in this invoice		

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.
Notes:

****

Sample SE Segment

_____

SE*20*0001

****

	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		
			MUST be same as ST02		