

832 Price/Sales Catalog

Functional Group=SC

This Draft Standard for Trial Use contains the format and establishes the data contents of the Price/Sales Catalog Transaction Set (832) 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 furnishing or requesting the price of goods or services in the form of a catalog.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BCT	Beginning Segment for Price/Sales Catalog	M	1			Must use
090	CUR	Currency	O	5			Used
110	ITD	Terms of Sale/Deferred Terms of Sale	O	2			Used
LOOP ID - N1					≥1		
150	N1	Name	O	1			Used
160	N2	Additional Name Information	O	2			Used
170	N3	Address Information	O	2			Used
180	N4	Geographic Location	O	>1			Used
200	PER	Administrative Communications Contact	O	>1			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - LIN					≥1		
010	LIN	Item Identification	O	1			Used
030	DTM	Date/Time Reference	O	10			Used
040	REF	Reference Identification	O	>1			Used
070	PID	Product/Item Description	O	200			Used
LOOP ID - CTP					100		
170	CTP	Pricing Information	O	1			Used
210	PO4	Item Physical Details	O	1			Used
LOOP ID - N1					≥1		
230	N1	Name	O	1			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
020	SE	Transaction Set Trailer	M	1			Must use

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>832</td> <td>Price/Sales Catalog</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	832	Price/Sales Catalog				
<u>Code</u>	<u>Name</u>									
832	Price/Sales Catalog									
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Notes: <i>Must be unique within the group.</i>	M	AN	4/9	Must use				

Semantics:

- The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BCT Beginning Segment for Price/Sales Catalog

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To indicate the beginning of the Price/Sales Catalog Transaction Set and specify catalog purpose and number information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BCT01	683	Catalog Purpose Code	M	ID	2/2	Must use
		Description: Code indicating purpose of catalog				
		<u>Code</u> <u>Name</u>				
		PC Price Catalog				
BCT02	684	Catalog Number	O	AN	1/15	Used
		Description: Identifying number for catalog or superseded catalog				

CUR Currency

Pos: 090	Max: 5
Heading - Optional	
Loop: N/A	Elements: 2

To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		<u>Code</u>		<u>Name</u>		
		SE		Selling Party		
CUR02	100	Currency Code	M	ID	3/3	Must use
		Description: Code (Standard ISO) for country in whose currency the charges are specified				
		<u>Code</u>		<u>Name</u>		
		CAD		Canadian Dollars		
		USD		US Dollars		

Syntax:

1. CUR08 C0807 -- If CUR08 is present, then CUR07 is required
2. CUR09 C0907 -- If CUR09 is present, then CUR07 is required
3. CUR10 L101112 -- If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. CUR11 C1110 -- If CUR11 is present, then CUR10 is required
5. CUR12 C1210 -- If CUR12 is present, then CUR10 is required
6. CUR13 L131415 -- If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. CUR14 C1413 -- If CUR14 is present, then CUR13 is required
8. CUR15 C1513 -- If CUR15 is present, then CUR13 is required
9. CUR16 L161718 -- If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. CUR17C1716 -- If CUR17 is present, then CUR16 is required
11. CUR18C1816 -- If CUR18 is present, then CUR16 is required
12. CUR19L192021 -- If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. CUR20C2019 -- If CUR20 is present, then CUR19 is required
14. CUR21C2119 -- If CUR21 is present, then CUR19 is required

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

Notes:

Required if pricing is specified in funds different from the native funds of the purchaser.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 110	Max: 2
Heading - Optional	
Loop: N/A	Elements: 6

To specify terms of sale

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
ITD01	336	Terms Type Code Description: Code identifying type of payment terms	O	ID	2/2	Used								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>05</td> <td>Discount Not Applicable</td> </tr> <tr> <td>08</td> <td>Basic Discount Offered</td> </tr> <tr> <td>09</td> <td>Proximo</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	05	Discount Not Applicable	08	Basic Discount Offered	09	Proximo				
<u>Code</u>	<u>Name</u>													
05	Discount Not Applicable													
08	Basic Discount Offered													
09	Proximo													
ITD02	333	Terms Basis Date Code Description: Code identifying the beginning of the terms period	O	ID	1/2	Used								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>3</td> <td>Invoice Date</td> </tr> <tr> <td>5</td> <td>Invoice Receipt Date</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	3	Invoice Date	5	Invoice Receipt Date						
<u>Code</u>	<u>Name</u>													
3	Invoice Date													
5	Invoice Receipt Date													
ITD03	338	Terms Discount Percent Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date Notes: 2% = 2 or 2.0	O	R	1/6	Used								
ITD05	351	Terms Discount Days Due Description: Number of days in the terms discount period by which payment is due if terms discount is earned	C	N0	1/3	Used								
ITD07	386	Terms Net Days Description: Number of days until total invoice amount is due (discount not applicable)	O	N0	1/3	Used								
ITD13	765	Day of Month Description: The numeric value of the day of the month between 1 and the maximum day of the month being referenced	C	N0	1/2	Used								

Syntax:

L03040513 -- If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
L08040513 -- If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
L091011 -- If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

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:

The following explains the use of the elements and codes:

If ITD01 = "05"

ITD07 is required

ITD03, ITD05 and ITD13 must not be sent

If ITD01 = "08"

ITD03, ITD05, and ITD07 are required

ITD13 must not be sent

ITD03 must be greater than zero

If ITD01 = "09"

ITD13 is required

ITD03 is required for other than net proximo terms

ITD05 and ITD07 must not be sent

N1 Name

Pos: 150	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>SE</td> <td>Selling Party</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	SE	Selling Party				
<u>Code</u>	<u>Name</u>									
SE	Selling Party									
N102	93	Name Description: Free-form name	C	AN	1/60	Used				
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67)	C	ID	1/2	Used				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's Agent</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer or Buyer's Agent				
<u>Code</u>	<u>Name</u>									
92	Assigned by Buyer or Buyer's Agent									
N104	67	Identification Code Description: Code identifying a party or other code Notes: When used with N101 = "SE" and N103 = "92", this identification code represents the buyer-assigned vendor number.	C	AN	2/80	Used				

Syntax:

1. N102 R0203 -- At least one of N102 or N103 is required.
2. N103 P0304 -- If either N103 or N104 are present, then the others are required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Notes:

An N1 loop with N101 = "SE" is required.

N2 Additional Name Information

Pos: 160	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

To specify additional names or those longer than 35 characters in length

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name Description: Free-form name	M	AN	1/60	Must use
N202	93	Name Description: Free-form name	O	AN	1/60	Used

N3 Address Information

Pos: 170	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 180	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used						
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency Notes: See Table III of the Appendix for Canadian Provinces and US state codes.	O	ID	2/2	Used						
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used						
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	Used						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CA</td> <td>Canada</td> </tr> <tr> <td>US</td> <td>United States</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CA	Canada	US	United States				
<u>Code</u>	<u>Name</u>											
CA	Canada											
US	United States											

Syntax:

1. N406 C0605 -- If N406 is present, then N405 is required

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.

PER Administrative Communications Contact

Pos: 200	Max: >1
Heading - Optional	
Loop: N1	Elements: 6

To identify a person or office to whom administrative communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> SR Sales Representative or Department				
PER02	93	Name Description: Free-form name	O	AN	1/60	Used
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number	C	ID	2/2	Used
		<u>Code</u> <u>Name</u> FX Facsimile TE Telephone				
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Used
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number	C	ID	2/2	Used
		<u>Code</u> <u>Name</u> FX Facsimile TE Telephone				
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Used

Syntax:

1. PER03 P0304 -- If either PER03 or PER04 are present, then the others are required.
2. PER05 P0506 -- If either PER05 or PER06 are present, then the others are required.
3. PER07 P0708 -- If either PER07 or PER08 are present, then the others are required.

LIN Item Identification

Pos: 010	Max: 1
Detail - Optional	
Loop: LIN	Elements: 2

To specify basic item identification data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
LIN02	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	M	ID	2/2	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>GC</td> <td>Grade Code</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	GC	Grade Code				
<u>Code</u>	<u>Name</u>									
GC	Grade Code									
LIN03	234	Product/Service ID Description: Identifying number for a product or service	M	AN	1/48	Must use				

Syntax:

- LIN04 P0405 -- If either LIN04 or LIN05 are present, then the others are required.
- LIN06 P0607 -- If either LIN06 or LIN07 are present, then the others are required.
- LIN08 P0809 -- If either LIN08 or LIN09 are present, then the others are required.
- LIN10 P1011 -- If either LIN10 or LIN11 are present, then the others are required.
- LIN12 P1213 -- If either LIN12 or LIN13 are present, then the others are required.
- LIN14 P1415 -- If either LIN14 or LIN15 are present, then the others are required.
- LIN16 P1617 -- If either LIN16 or LIN17 are present, then the others are required.
- LIN18 P1819 -- If either LIN18 or LIN19 are present, then the others are required.
- LIN20 P2021 -- If either LIN20 or LIN21 are present, then the others are required.
- LIN22 P2223 -- If either LIN22 or LIN23 are present, then the others are required.
- LIN24 P2425 -- If either LIN24 or LIN25 are present, then the others are required.
- LIN26 P2627 -- If either LIN26 or LIN27 are present, then the others are required.
- LIN28 P2829 -- If either LIN28 or LIN29 are present, then the others are required.
- LIN30 P3031 -- If either LIN30 or LIN31 are present, then the others are required.

Semantics:

- LIN01 is the line item identification

Comments:

- See the Data Dictionary for a complete list of IDs.
- LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

DTM Date/Time Reference

Pos: 030	Max: 10
Detail - Optional	
Loop: LIN	Elements: 4

To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																		
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time Notes: <i>Only the following code will be accepted:</i>	M	ID	3/3	Must use																		
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>007</td> <td>Effective</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	007	Effective																		
<u>Code</u>	<u>Name</u>																							
007	Effective																							
DTM02	373	Date Description: Date expressed as CCYYMMDD	C	DT	8/8	Used																		
DTM03	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Used																		
DTM04	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Notes: <i>Required if DTM03 is sent. Only the following codes will be accepted:</i>	O	ID	2/2	Used																		
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CD</td> <td>Central Daylight Time</td> </tr> <tr> <td>CS</td> <td>Central Standard Time</td> </tr> <tr> <td>ED</td> <td>Eastern Daylight Time</td> </tr> <tr> <td>ES</td> <td>Eastern Standard Time</td> </tr> <tr> <td>MD</td> <td>Mountain Daylight Time</td> </tr> <tr> <td>MS</td> <td>Mountain Standard Time</td> </tr> <tr> <td>PD</td> <td>Pacific Daylight Time</td> </tr> <tr> <td>PS</td> <td>Pacific Standard Time</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CD	Central Daylight Time	CS	Central Standard Time	ED	Eastern Daylight Time	ES	Eastern Standard Time	MD	Mountain Daylight Time	MS	Mountain Standard Time	PD	Pacific Daylight Time	PS	Pacific Standard Time				
<u>Code</u>	<u>Name</u>																							
CD	Central Daylight Time																							
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MD	Mountain Daylight Time																							
MS	Mountain Standard Time																							
PD	Pacific Daylight Time																							
PS	Pacific Standard Time																							

Syntax:

1. DTM02 R020305 -- At least one of DTM02, DTM03 or DTM05 is required.
2. DTM04 C0403 -- If DTM04 is present, then DTM03 is required
3. DTM05 P0506 -- If either DTM05 or DTM06 are present, then the others are required.

REF Reference Identification

Pos: 040 Max: >1
 Detail - Optional
 Loop: LIN Elements: 2

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification Notes: <i>Only the following code will be accepted:</i>	M	ID	2/3	Must use				
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>PO</td> <td>Purchase Order Number</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	PO	Purchase Order Number				
<u>Code</u>	<u>Name</u>									
PO	Purchase Order Number									
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Used				

Syntax:

- REF02 R0203 -- At least one of REF02 or REF03 is required.

Semantics:

- REF04 contains data relating to the value cited in REF02.

Notes:

Required for Option 1, not to be sent for Options 2A and 2B (see Introduction).

PID Product/Item Description

Pos: 070	Max: 200
Detail - Optional	
Loop: LIN	Elements: 2

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
PID01	349	Item Description Type Description: Code indicating the format of a description	M	ID	1/1	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>F</td> <td>Free-form</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	F	Free-form				
<u>Code</u>	<u>Name</u>									
F	Free-form									
PID05	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Used				

Syntax:

- PID04 C0403 -- If PID04 is present, then PID03 is required
- PID04 R0405 -- At least one of PID04 or PID05 is required.
- PID07 C0703 -- If PID07 is present, then PID03 is required
- PID08 C0804 -- If PID08 is present, then PID04 is required
- PID09 C0905 -- If PID09 is present, then PID05 is required

Semantics:

- Use PID03 to indicate the organization that publishes the code list being referred to.
- PID04 should be used for industry-specific product description codes.
- 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.
- PID09 is used to identify the language being used in PID05.

Comments:

- 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.
- Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- PID07 specifies the individual code list of the agency specified in PID03.

CTP Pricing Information

Pos: 170	Max: 1
Detail - Optional	
Loop: CTP	Elements: 4

To specify pricing information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
CTP02	236	Price Identifier Code Description: Code identifying pricing specification Notes: Only the following code will be accepted: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>INV</td> <td>Invoice Billing Price</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	INV	Invoice Billing Price	C	ID	3/3	Used		
<u>Code</u>	<u>Name</u>											
INV	Invoice Billing Price											
CTP03	212	Unit Price Description: Price per unit of product, service, commodity, etc. Notes: Unit price will be expressed in the unit-of-measure from element 355. Unit price will be net of gross price, trade discounts and item-specific mark-ups, but will not be adjusted for payment terms or any order-specific special charges.	C	R	1/17	Used						
CTP04	380	Quantity Description: Numeric value of quantity Notes: Always equals 1.	C	R	1/15	Used						
CTP05	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	C	Comp		Used						
	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <table border="1" style="margin-left: 20px;"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>GA</td> <td>Gallon</td> </tr> <tr> <td>LT</td> <td>Liter</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	GA	Gallon	LT	Liter	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>											
GA	Gallon											
LT	Liter											

Syntax:

1. CTP04 P0405 -- If either CTP04 or CTP05 are present, then the others are required.
2. CTP06 C0607 -- If CTP06 is present, then CTP07 is required
3. CTP09 C0902 -- If CTP09 is present, then CTP02 is required
4. CTP10 C1002 -- If CTP10 is present, then CTP02 is required
5. CTP11 C1103 -- If CTP11 is present, then CTP03 is required

Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.

2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Notes:

Required by the Rail Industry Forum.

PO4 Item Physical Details

Pos: 210	Max: 1
Detail - Optional	
Loop: CTP	Elements: 1

To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO404	103	Packaging Code	C	AN	3/5	Used

Description: 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

Notes: *Only the following code(s) will be accepted:*

<u>Code</u>	<u>Name</u>
BRG	Barge
PLN	Pipeline
TKR	Tank Car
TKT	Tank Truck

Syntax:

1. PO402 P0203 -- If either PO402 or PO403 are present, then the others are required.
2. PO405 C0506 -- If PO405 is present, then PO406 is required
3. PO406 P0607 -- If either PO406 or PO407 are present, then the others are required.
4. PO408 P0809 -- If either PO408 or PO409 are present, then the others are required.
5. PO410 C1013 -- If PO410 is present, then PO413 is required
6. PO411 C1113 -- If PO411 is present, then PO413 is required
7. PO412 C1213 -- If PO412 is present, then PO413 is required
8. PO413 L13101112 -- If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. PO417 C1716 -- If PO417 is present, then PO416 is required
10. PO418 C1804 -- If PO418 is present, then PO404 is required

Semantics:

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:

Required for Option 2A, not to be sent for Options 1 and 2B (see Introduction).

N1 Name

Pos: 230	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual Notes: <i>Only the following codes will be accepted:</i>	M	ID	2/3	Must use						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>SF</td> <td>Ship From</td> </tr> <tr> <td>ST</td> <td>Ship To</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	SF	Ship From	ST	Ship To				
<u>Code</u>	<u>Name</u>											
SF	Ship From											
ST	Ship To											
N102	93	Name Description: Free-form name	C	AN	1/60	Used						
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) Notes: <i>Only the following codes will be accepted:</i>	C	ID	1/2	Used						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>91</td> <td>Assigned by Seller or Seller's Agent</td> </tr> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's Agent</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	91	Assigned by Seller or Seller's Agent	92	Assigned by Buyer or Buyer's Agent				
<u>Code</u>	<u>Name</u>											
91	Assigned by Seller or Seller's Agent											
92	Assigned by Buyer or Buyer's Agent											
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/80	Used						

Syntax:

1. N102 R0203 -- At least one of N102 or N103 is required.
2. N103 P0304 -- If either N103 or N104 are present, then the others are required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Notes:

Required for Options 2A (N103 = 91) and 2B (N103 = 92), not to be sent for Option 1 (see Introduction).

SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Comments:

- SE is the last segment of each transaction set.

Notes:

Must be identical to the transaction set control number in the ST segment.