Harbor Foodservice 832 Price/Sales Catalog

X12/V5010/832 : 832 Price/Sales Catalog

Version: 1.0

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Company:	Harbor Foodservice
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Notes:	

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832   Price/Sales Catalog

Functional Group=SC

Purpose: This X12 Transaction Set 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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BCT	Beginning Segment for Price/Sales Catalog	M	1			Must use
0500	REF	Reference Information	M	1			Must use
0600	PER	Administrative Communications Contact	O	1			Used
0700	DTM	Date/Time Reference	M	10			Must use
LOOP ID - N1					**1**		
1500	N1	Party Identification	M	1			Must use
LOOP ID - N9					**>1**		
2300	N9	Extended Reference Information	M	1			Must use
2500	MTX	Text	M	>1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - LIN					**>1**		
0100	LIN	Item Identification	M	1			Must use
0150	G53	Maintenance Type	M	1		N2/0150	Must use
0300	DTM	Date/Time Reference	C	10			Used
0700	PID	Product/Item Description	M	200			Must use
1000	PO4	Item Physical Details	O	1			Used
1500	SAC	Service, Promotion, Allowance, or Charge Information	C	>1			Used
LOOP ID - CTP					**>1**		
1700	CTP	Pricing Information	M	1			Must use
2270	G43	Promotion/Price List Area	O	9999			Used
LOOP ID - G40					**>1**		
2300	G40	Bracket Price	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	CTT	Transaction Totals	O	1		N3/0100	Used
0200	SE	Transaction Set Trailer	M	1			Must use

Notes:

2/0150   If BCT10 is used and G5301 is used, then the G5301 takes precedence.

3/0100   Number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction.

ST　Transaction Set Header

<table>
<tr><td>Pos: 0100</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

    Description: Code uniquely identifying a Transaction Set

    CodeList Summary (Total Codes: 318, Included: 1)

Code	Name
832	Price/Sales Catalog

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

    Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

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).

2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

BCT   Beginning Segment for Price/Sales Catalog

Pos: 0200   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 5

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCT01	683	**Catalog Purpose Code**	M	ID	2/2	Must use

Description: Code indicating purpose of catalog

CodeList Summary (Total Codes: 5, Included: 1)

Code Name
PC   Price Catalog

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCT02	684	**Catalog Number**	M	AN	1/15	Must use

Description: Identifying number for catalog or superseded catalog

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCT03	685	**Catalog Version Number**	O	AN	1/15	Used

Description: Identifying version number of catalog or superseded catalog

User Note 1: *SELECTION CODE as defined by U.P.C. Data Communications Guidelines for General Merchandise*

Absence of BCT03 indicates entire catalog

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCT04	686	**Catalog Revision Number**	O	AN	1/6	Used

Description: Identifying revision number of catalog or superseded catalog

User Note 1: *SELECTION CODE DESCRIPTION as defined by U.P.C. Data Communications Guidelines for General Merchandise*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCT10	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 66, Included: 3)

Code Name
00   Original
02   Add
05   Replace

REF   Reference Information

Pos: 0500   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1731, Included: 1)

Code	Name
IA	Internal Vendor Number

User Note 1:

Harbor Foodservice Assigned Vendor Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/50	Must use

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

Syntax Rules:

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

Semantics:

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

PER Administrative Communications Contact

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

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

CodeList Summary (Total Codes: 238, Included: 1)

Code Name
IC   Information Contact

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	C	ID	2/2	Used

Description: Code identifying the type of communication number

User Note 1: *If PER03 is sent, PER04 must also be sent.*

CodeList Summary (Total Codes: 42, Included: 1)

Code Name
TE   Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	C	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

User Note 1: *If PER03 is sent, PER04 must also be sent.*

Syntax Rules:

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

DTM **Date/Time Reference**

<table>
<tr><td>Pos: 0700</td><td>Max: 10</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

User Note 1: *At least one date type must be included*

CodeList Summary (Total Codes: 1280, Included: 5)

Code	Name
007	Effective
018	Available

User Note 1:
First Order Date

037	Ship Not Before

User Note 1:
First Ship Date

071	Requested for Delivery (After and Including)

User Note 1:
First Arrival Date

097	Transaction Creation

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Syntax Rules:

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

Loop Party Identification

Pos: 1500	Repeat: 1
Mandatory	
Loop: N1	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
1500	N1	Party Identification	M	1		Must use

N1 Party Identification

Pos: 1500   Max: 1
Heading - Mandatory
Loop: N1   Elements: 2

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

CodeList Summary (Total Codes: 1500, Included: 1)

Code	Name
VN	Vendor

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	M	AN	1/60	Must use

Description: Free-form name
User Note 1: *Vendor Name*

Syntax Rules:

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

Loop Extended Reference Information

Pos: 2300	**Repeat: >1**
	Optional
Loop: N9	**Elements: N/A**

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
2300	N9	Extended Reference Information	M	1		Must use
2500	MTX	Text	M	>1		Must use

N9 Extended Reference Information

Pos: 2300   **Max: 1**
Heading - Mandatory
Loop: N9   **Elements: 2**

User Option (Usage): Must use

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1731, Included: 1)

Code	Name
L1	Letters or Notes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	M	AN	1/50	Must use

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

User Note 1: *N902 = GEN: General Note*

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

MTX **Text**

<div style="text-align:right">

Pos: 2500   **Max: >1**

Heading - Mandatory

Loop: N9   **Elements: 1**

</div>

User Option (Usage): Must use
Purpose: To specify textual data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MTX02	1551	**Textual Data**	M	AN	1/4096	Must use

  Description: To transmit large volumes of message text

Syntax Rules:

1. C0102 - If MTX01 is present, then MTX02 is required.
2. C0302 - If MTX03 is present, then MTX02 is required.
3. C0504 - If MTX05 is present, then MTX04 is required.

Semantics:

1. MTX05 is the number of lines to advance before printing.

Comments:

1. If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Loop Item Identification

<table>
<tr><td>Pos: 0100</td><td>Repeat: >1</td></tr>
<tr><td colspan="2" align="center">Mandatory</td></tr>
<tr><td>Loop: LIN</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Must use

Purpose: To specify basic item identification data

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	LIN	Item Identification	M	1		Must use
0150	G53	Maintenance Type	M	1		Must use
0300	DTM	Date/Time Reference	C	10		Used
0700	PID	Product/Item Description	M	200		Must use
1000	PO4	Item Physical Details	O	1		Used
1500	SAC	Service, Promotion, Allowance, or Charge Information	C	>1		Used
1700		Loop CTP	M		>1	Must use

LIN   Item Identification

Pos: 0100 **Max: 1**	
Detail - Mandatory	
Loop: LIN **Elements: 8**	

User Option (Usage): Must use

Purpose: To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use

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

User Note 1: *GTIN (LIN02=UK) is preferred, but if not available a vendor number must be sent.*

CodeList Summary (Total Codes: 519, Included: 2)

Code	Name
UK	GTIN 14-digit Data Structure
VN	Vendor's (Seller's) Item Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN03	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN04	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

CodeList Summary (Total Codes: 519, Included: 4)

Code	Name
UA	U.P.C./EAN Case Code (2-5-5)
UI	U.P.C. Consumer Package Code (1-5-5)
UK	GTIN 14-digit Data Structure
VN	Vendor's (Seller's) Item Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN05	234	**Product/Service ID**	C	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN06	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

CodeList Summary (Total Codes: 519, Included: 4)

Code	Name
UA	U.P.C./EAN Case Code (2-5-5)
UI	U.P.C. Consumer Package Code (1-5-5)
UK	GTIN 14-digit Data Structure
VN	Vendor's (Seller's) Item Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN07	234	**Product/Service ID**	C	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN08	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

CodeList Summary (Total Codes: 519, Included: 4)

Code **Name**
UA   U.P.C./EAN Case Code (2-5-5)
UI   U.P.C. Consumer Package Code (1-5-5)
UK   GTIN 14-digit Data Structure
VN   Vendor's (Seller's) Item Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN09	234	**Product/Service ID**	C	AN	1/48	Used

Description: Identifying number for a product or service

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of IDs.
2. 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.

User Note 1:

Part numbers can be sent in any order but LIN02/03 contains only UK and VN for clarity on what part number(s) are required

G53　Maintenance Type

Pos: 0150	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 1

User Option (Usage): Must use

Purpose: To identify the specific type of item maintenance

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G5301	875	**Maintenance Type Code**	M	ID	3/3	Must use

Description: Code identifying the specific type of item maintenance

CodeList Summary (Total Codes: 123, Included: 2)

Code	Name
001	Change
003	Add Full Item Detail

DTM **Date/Time Reference**

Pos: 0300	**Max: 10**
Detail - Conditional	
Loop: LIN	**Elements: 2**

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

CodeList Summary (Total Codes: 1280, Included: 7)

Code	Name
007	Effective
015	Promotion Start

> **User Note 1:**
> *Conditional - Required if CTP02 = PRP is present*

016	Promotion End

> **User Note 1:**
> *Conditional - Required if CTP02 = PRP is present*

018	Available

> **User Note 1:**
> *First Order Date*

037	Ship Not Before

> **User Note 1:**
> *First Ship Date*

071	Requested for Delivery (After and Including)

> **User Note 1:**
> *First Arrival Date*

197	End

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Syntax Rules:

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

PID   Product/Item Description

Pos: 0700   Max: 200
Detail - Mandatory
Loop: LIN   Elements: 3

User Option (Usage): Must use
Purpose: To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use

Description: Code indicating the format of a description

CodeList Summary (Total Codes: 3, Included: 1)

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID02	750	**Product/Process Characteristic Code**	M	ID	2/3	Must use

Description: Code identifying the general class of a product or process characteristic

CodeList Summary (Total Codes: 238, Included: 1)

Code	Name
08	Product

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	M	AN	1/80	Must use

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

Syntax Rules:

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

Semantics:

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.

PO4   Item Physical Details

Pos: 1000	Max: 1
Detail - Optional	
Loop: LIN	**Elements: 4**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO401	356	**Pack**	O	N0	1/6	Used

Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO402	357	**Size**	O	R	1/8	Used

Description: Size of supplier units in pack

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO403	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

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

CodeList Summary (Total Codes: 844, Included: 8)

Code	Name
BX	Box
CA	Case
CT	Carton
DZ	Dozen
EA	Each
KT	Kit
LB	Pound
RL	Roll

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO414	810	**Inner Pack**	O	N0	1/6	Used

Description: The number of eaches per inner container

Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. 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 unit of measure of the "Size" identified in the PO402. 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.

SAC Service, Promotion, Allowance, or Charge Information

Pos: 1500	Max: >1
Detail - Conditional	
Loop: LIN	Elements: 3

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

CodeList Summary (Total Codes: 7, Included: 2)

Code	Name
A	Allowance
C	Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	C	ID	4/4	Used

Description: Code identifying the service, promotion, allowance, or charge

CodeList Summary (Total Codes: 1090, Included: 5)

Code	Name
C310	Discount

> **User Note 1:**
>
> *Freight Allowance*

Code	Name
D240	Freight
H090	Special Handling
H625	Tax - Beverage Tax
I530	Volume Discount

> **User Note 1:**
>
> *Quantity Discount*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC12	331	**Allowance or Charge Method of Handling Code**	C	ID	2/2	Used

Description: Code indicating method of handling for an allowance or charge

CodeList Summary (Total Codes: 22, Included: 4)

Code	Name
01	Bill Back
02	Off Invoice
20	Accrual Fund
CA	Calculate and Add to Invoice

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.

3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

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.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. 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 with SAC03 to further define 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.

User Note 1:

Conditional - Required if CTP02 = PRP is present

Loop Pricing Information

Pos: 1700   Repeat: >1
Mandatory
Loop: CTP   Elements: N/A

User Option (Usage): Must use
Purpose: To specify pricing information

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
1700	CTP	Pricing Information	M	1		Must use
2270	G43	Promotion/Price List Area	O	9999		Used
2300		Loop G40	O		>1	Used

CTP   Pricing Information

Pos: 1700   **Max: 1**
Detail - Mandatory
Loop: CTP   **Elements: 2**

User Option (Usage): Must use
Purpose: To specify pricing information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP02	236	**Price Identifier Code**	M	ID	3/3	Must use

Description: Code identifying pricing specification

CodeList Summary (Total Codes: 168, Included: 4)

Code	Name
CON	Contract Price
DPR	Discount Price
PRP	Promotional price
UCP	Unit cost price

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP03	212	**Unit Price**	M	R	1/17	Must use

Description: Price per unit of product, service, commodity, etc.

Syntax Rules:

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

G43   Promotion/Price List Area

Pos: 2270   Max: 9999
Detail - Optional
Loop: CTP   Elements: 3

User Option (Usage): Used

Purpose: To specify the geographic area in which a promotion or price is in effect

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4301	771	**Market Area Code Qualifier**	M	ID	1/3	Must use

Description: Code qualifying the identifier represented in "Market Area Code Identifier (767)"

CodeList Summary (Total Codes: 15, Included: 1)

Code	Name
001	Pricing Market

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4302	767	**Market Area Code Identifier**	O	AN	1/13	Used

Description: A unique identification of a market area

User Note 1: *Warehouse Identifier: KDC*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4303	352	**Description**	O	AN	1/80	Used

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

Semantics:

1. If G4301 is "001", "002", or "004", then G4302 is required. If G4301 is "003", then G4303 is required.

Loop Bracket Price

Pos: 2300	Repeat: >1
Optional	
Loop: G40	**Elements: N/A**

User Option (Usage): Used

Purpose: To provide a vendor's pricing structure associated with a specific line item

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
2300	G40	Bracket Price	O	1		Used

G40 Bracket Price

Pos: 2300	**Max: 1**
Detail - Optional	
Loop: G40	**Elements: 5**

User Option (Usage): Used

Purpose: To provide a vendor's pricing structure associated with a specific line item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4001	417	**Price Bracket Identifier**	O	AN	1/3	Used

Description: Identifier assigned by the vendor for a specific price bracket

User Note 1: *Only to be used if bracket pricing is available*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4002	418	**Item List Cost - New**	M	R	1/9	Must use

Description: Unit price within the appropriate price bracket for a line item on or after an effective price date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4003	419	**Item List Cost - Old**	O	R	1/9	Used

Description: Unit price within the appropriate price bracket for a line item before an effective date

User Note 1: *Current price must be provided for existing items, optional for new items*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4004	369	**Free-form Description**	O	AN	1/45	Used

Description: Free-form descriptive text

User Note 1: *Used to provide the associated quantity for the price bracket.*

Price Bracket should be provided in the following format: '[Lowest Qty]-[High Qty] [UM]' or '[High Qty]+[UM]'

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4007	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

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

CodeList Summary (Total Codes: 844, Included: 3)

Code	Name
C1	Composite Product Pounds (Total Weight)

User Note 1:
Used for Price Brackets based on weight

Code	Name
CF	Cubic Feet

User Note 1:
Used for Price Brackets based on volume

Code	Name
UN	Unit

User Note 1:
Used for Price Brackets based on quantity

Semantics:

1. G4009 is the shipping unit to billing unit conversion factor.

Comments:

1. G4007 is the invoicing unit of measure for the costs specified in G4002 and G4003.

CTT Transaction Totals

Pos: 0100   Max: 1
Summary - Optional
Loop: N/A   Elements: 1

User Option (Usage): Used

Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	O	N0	1/6	Used

> **Description:** Total number of line items in the transaction set

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

Pos: 0200   Max: 1
Summary - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use

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)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

1. SE is the last segment of each transaction set.