875 Grocery Products Purchase Order

UCS/V4010/875: 875 Grocery Products Purchase Order

Document Control

Rev	Date	Author	Purpose for Change
1.0	November 17, 2010	O. Zaragoza	Creation of Implementation Guide
1.1	December 3, 2010	Gaye Mertz (GXS)	Changes made to mandatory / optional segments and elements per discussions with Wegmans
1.2	January 19, 2011	E.Espe (GXS)	Changes to enveloping segments

875

Grocery Products Purchase Order

Functional Group=OG

Purpose: This Draft Standard for Trial Use contains the format establishes the data contents of the Grocery Products Purchase Order Transaction Set (875) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to provide for customary and established grocery industry practice relative to the placement of purchase orders for finished goods in a retail or wholesale consumer market. This standard can be used by a retailer or wholesaler organization to request delivery of finished goods from a broker or supplier organization. This transaction set should not be used to convey purchase order changes or purchase order acknowledgement information.

If the G23 segment is used, it may be used in the header area or detail area, but not both.

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	G50	Purchase Order Identification	M	1			Must use
050	G62	Date/Time	O	1			Used
050	G62	Date/Time	O	1			used
070	G66	Transportation Instructions	M	1			Must use
LOOP ID - 0100					**1**	**N1/090L**	
090	N1	Name	M	1		N1/090	Must use
110	N3	Address Information	M	2			Must use
120	N4	Geographic Location	M	1			Must use
LOOP ID - 0100					**1**	**N1/090L**	
090	N1	Name	M	1		N1/090	Must use
LOOP ID - 0100					**1**	**N1/090L**	
090	N1	Name	M	1		N1/090	Must use
LOOP ID - 0100					**1**	**N1/090L**	
090	N1	Name	M	1		N1/090	Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - 0300					**9999**		
010	G68	Line Item Detail - Product	M	1			Must use
LOOP ID - 0310					**100**		
060	G72	Allowance or Charge	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	G76	Total Purchase Order	M	1			Must use
020	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage

| GE | Functional Group Trailer | M | 1 | Must use |
| IEA | Interchange Control Trailer | M | 1 | Must use |

Notes:

1/090L   One occurrence of the N1 loop must be used to identify the party to whom the merchandise is to be shipped.

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User Note 1:

*ISA*00*   *00*   *08*9264830001   *08*123456789   *100331*1103*U*00401*000000408*0*P*>~*
*GS*OG*7164297951*1234567890*20100331*1103*203*T*004010UCS~*
*ST*875*0210~*
*G50*N*20100331*000145331~*
*G62*02*20100409~*
*G66*DF*M~*
*N1*ST*150-WEG FROZEN ASRS*9*0596500690150~*
*N3*500 Wegmans Market St~*
*N4*Rochester*NY*14624~*
*N1*VN*VENDOR NAME*9*123456789~*
*N1*SF*SHIP FROM NAME*9*666666666~*
*N1*BT*BILL TO NAME*9*987654321~*
*G68*252*CA*15.04*004369508305*UK*10043695083054~*
*G72*88*08***2.48~*
….
*G76*5776*CA*34137.24*LB*2231.74*CF**8975968~*
*SE*84*0210~*
*GE*1*203~*
*IEA*1*000000408~*

ISA   Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Authorization Information

CodeList Summary (Total Codes: 7, Included: 1)

Code	Name
00	No Authorization Information Present (No Meaningful Information in I02)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA02	I02	**Authorization Information**	M	AN	10/10	Must use

Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)
User Note 1: *ISA02 should be blank filled.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Security Information
All valid standard codes are used. (Total Codes: 2)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA04	I04	**Security Information**	M	AN	10/10	Must use

Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)
User Note 1: *ISA04 contains the UCS Communications Password that has been assigned by the receiver of the transmission when ISA03 contains code 01. ISA04 should be blank filled when ISA03 contains code 00.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use

Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element
User Note 1:
Prod Value: 9264830001
Test Value:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified
User Note 1: *The Interchange ID Qualifier is used to define the code used, in ISA08, to identify the receiver of the interchange.*

The Uniform Code Council assigned EDI Communications ID (Comm ID) is the convention for the identification of the sender and receiver of the EDI transmission. All members should encourage their respective trading partners to obtain and use the UCC Comm ID.

The common means of identification of transportation carriers is the Standard Carrier Alpha Code (SCAC). When sending to or receiving from a transportation carrier, the SCAC should be used to identify the carrier.

All valid standard codes are used.

ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them
User Note 1: *ISA08 is the identification code described by ISA07. It should be left justified and blank filled.*

ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

Description: Date of the interchange
User Note 1: *ISA09 is the date the interchange was created in the sender's system; submit date. Format is YYMMDD.*

ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

Description: Time of the interchange
User Note 1: *ISA10 is the time the interchange was created in the sender's system; submit time. The format is HHMM; 24 hour clock.*

ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use

Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer
All valid standard codes are used. (Total Codes: 1)

ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use

Description: Code specifying the version number of the interchange control segments

CodeList Summary (Total Codes: 13, Included: 1)

Code	Name
00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997

ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender

ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Must use

Description: Code sent by the sender to request an interchange acknowledgment (TA1)
User Note 1: *Prod/Test Value: 0*

CodeList Summary (Total Codes: 2, Included: 1)

Code	Name
0	No Acknowledgment Requested

ISA15	I14	**Usage Indicator**	M	ID	1/1	Must use

Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information
User Note 1: *ISA15 is valuable for start-up system tests. The indicator applies to the entire transmission.*

CodeList Summary (Total Codes: 3, Included: 2)

Code	Name
P	Production Data
T	Test Data

ISA16	I15	**Component Element Separator**	M		1/1	Must use

Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

User Note 1: *ISA16 code value identified for distribution and warehousing use is: ">" - HEX 6E in EBCDIC*

GS   Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use
Purpose: To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

CodeList Summary (Total Codes: 225, Included: 1)

Code	Name
OG	Order Group - Grocery (875, 876)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use

Description: Code identifying party sending transmission; codes agreed to by trading partners

User Note 1:
Prod Value:7164297951
Test Value:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use

Description: Code identifying party receiving transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD
User Note 1: *The date the group was created in the sender's system; submit date. Format is CCYYMMDD.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS05	337	**Time**	M	TM	4/8	Must use

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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use

Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use

Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed
User Note 1: *For UCS and WINS usage, positions 7, 8, and 9*
must contain UCS, e.g., 004010UCS.

CodeList Summary (Total Codes: 33, Included: 1)

<u>Code</u>
004010UCS

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

User Note 1:

GS08 must be formatted with the Version Release Number in Positions 1 through 6 and
UCS in Positions 7 through 8, e.g., 004010UCS.

ST   Transaction Set Header

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

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: 298, Included: 1)

Code	Name
875	Grocery Products Purchase Order

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

User Note 1:

*Example: ST*875*0210*

G50 Purchase Order Identification

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Must use
Purpose: To transmit identifying dates and numbers for this transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G5001	473	**Order Status Code**	M	ID	1/1	Must use

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 12, Included: 2)

Code	Name
C	Confirmation
N	Original

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G5002	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G5003	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

Semantics:

1. G5002 is the date assigned by the purchaser to the purchase order.

User Note 1:

Example:
*G50*N*20100331*000145331~*

G62   Date/Time

<table>
<tr><td>Pos: 050</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier**	M	ID	2/2	Must use

Description: Code specifying type of date

CodeList Summary (Total Codes: 137, Included: 1)

Code	Name
02	Delivery Requested on This Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6202	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Syntax Rules:

1. P0102 - If either G6201 or G6202 is present, then the other is required.

User Note 1:

This segment is used to provide delivery or pick-up date instructions.

User Note 2:
Example:
*G62*02*20100409~*

User Note 3:
At least one DTM Segment will be sent

G62 Date/Time

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier**	M	ID	2/2	Must use

Description: Code specifying type of date

CodeList Summary (Total Codes: 137, Included: 1)

Code	Name
10	Requested Ship Date / Delivery Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6202	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Syntax Rules:

2. P0102 - If either G6201 or G6202 is present, then the other is required.

User Note 1:

This segment is used to provide delivery or pick-up date instructions.

User Note 2:

Example:
G62*10*20100409~

User Note 3:

At least one DTM Segment will be sent

G66   Transportation Instructions

Pos: 070	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use
Purpose: To specify transportation instructions relating to the shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6601	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

CodeList Summary (Total Codes: 28, Included: 1)

Code	Name
DF	Defined by Buyer and Seller

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6602	91	**Transportation Method/Type Code**	M	ID	1/2	Must use

Description: Code specifying the method or type of transportation for the shipment

CodeList Summary (Total Codes: 71, Included: 21)

Code	Name
7	Mail
A	Air
B	Barge
C	Consolidation
D	Parcel Post
E	Expedited Truck
H	Customer Pickup
I	Common Irregular Carrier
L	Contract Carrier
M	Motor (Common Carrier)
N	Private Vessel
O	Containerized Ocean
P	Private Carrier
Q	Conventional Ocean
R	Rail
T	Best Way (Shippers Option)
U	Private Parcel Service
X	Intermodal (Piggyback)
AE	Air Express
LT	Less Than Trailer Load (LTL)
SR	Supplier Truck

User Note 1:

Example:
*G66*DF*M~*

Loop Name = ST (Ship To)

<table>
<tr><td>Pos: 090</td><td>Repeat: 1</td></tr>
<tr><td colspan="2">Mandatory</td></tr>
<tr><td colspan="2">Loop: 0100   Elements: N/A</td></tr>
</table>

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
090	N1	Name	M	1		Must use
110	N3	Address Information	M	1		Must use
120	N4	Geographic Location	M	1		Must use

N1 Name

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: 1312, Included: 1)

Code	Name
ST	Ship To

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

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	M	ID	1/2	Must use

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 215, Included: 1)

Code	Name
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	M	AN	2/80	Must use

Description: Code identifying a party or other code

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.

User Note 1:

Example:
*N1*ST*150-WEG FROZEN ASRS*9*0596500690150~*

N3 Address Information

Pos: 110	**Max: 1**
Heading - Mandatory	
Loop: 0100	**Elements: 1**

User Option (Usage): Must use
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				

User Note 1:

Example:
*N3*500 Wegmans Market St~*

N4   Geographic Location

Pos: 120	**Max: 1**
Heading - Mandatory	
Loop: 0100	**Elements: 3**

User Option (Usage): Must use
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	M	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	**State or Province Code**	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	**Postal Code**	M	ID	3/15	Must use
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				

Comments:

1. N402 is required only if city name (N401) is in the U.S. or Canada.

User Note 1:

Example:
*N4*Rochester*NY*14624~*

Loop Name = VN (Vendor)

Pos: 090	Repeat: 1
Mandatory	
Loop: 0100 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
090	N1	Name	M	1		Must use

N1   **Name**

<div style="border:1px solid black;">
Pos: 090   Max: 1
Heading - Mandatory
Loop: 0100   Elements: 4
</div>

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: 1312, 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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	M	ID	1/2	Must use

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 215, Included: 3)

Code	Name
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	M	AN	2/80	Must use

Description: Code identifying a party or other code

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.

User Note 1:
Example:
N1*VN*VENDOR NAME*9*123456789~

Loop Name = SF (Ship From)

<div style="border:1px solid black; display:inline-block;">

Pos: 090   **Repeat: 1**
Mandatory
Loop: 0100   Elements: N/A

</div>

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
090	N1	Name	M	1		Must use

N1   **Name**

<table>
<tr><td>Pos: 090   Max: 1</td></tr>
<tr><td>Heading - Mandatory</td></tr>
<tr><td>Loop: 0100   Elements: 4</td></tr>
</table>

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: 1312, Included: 1)

Code	Name
SF	Ship From

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

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	M	ID	1/2	Must use

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 215, Included: 3)

Code	Name
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	M	AN	2/80	Must use

Description: Code identifying a party or other code

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.

User Note 1:
Example:
*N1*SF*SHIP FROM NAME*9*666666666~*

*N1*BT*BILL TO NAME*9*987654321~*

Loop Name = BT (Bill To)

<table>
<tr><td>Pos: 090</td><td>Repeat: 1</td></tr>
<tr><td colspan="2">Mandatory</td></tr>
<tr><td>Loop: 0100</td><td>Elements: N/A</td></tr>
</table>

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
090	N1	Name	M	1		Must use

N1 Name

<div>

Pos: 090 **Max: 1**
Heading - Mandatory
Loop: 0100 **Elements: 4**

</div>

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: 1312, Included: 1)

Code	Name
BT	Bill-to-Party

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

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	M	ID	1/2	Must use

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 215, Included: 1)

Code	Name
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	M	AN	2/80	Must use

Description: Code identifying a party or other code

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.

User Note 1:
Example:
*N1*BT*BILL TO NAME*9*987654321~*

Loop Line Item Detail - Product

Pos: 010	Repeat: 9999
Mandatory	
Loop: 0300	**Elements: N/A**

User Option (Usage): Must use
Purpose: To specify basic and most frequently used purchase order line item data

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	G68	Line Item Detail - Product	M	1		Must use
060		Loop 0310	O		100	Used

G68 Line Item Detail - Product

<div>
Pos: 010   Max: 1
Detail - Mandatory
Loop: 0300   Elements: 6
</div>

User Option (Usage): Must use
Purpose: To specify basic and most frequently used purchase order line item data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6801	330	**Quantity Ordered**	M	R0	1/15	Must use

Description: Quantity ordered

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6802	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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: 794, Included: 2)

Code	Name
CA	Case
EA	Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6803	237	**Item List Cost**	M	R4	1/9	Must use

Description: Gross unit cost within the appropriate price bracket for a line item

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6804	438	**U.P.C. Case Code**	M	AN	12/12	Must use

Description: Code (Universal Product Code - U.P.C.) including two high order digits identifying the "system" (U.S. Grocery = 00, 06 or 07; U.S. Drug = 03); using the U.S. Grocery system, the next ten digits are: Manufacturer (5) Case Code (5)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6805	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: 477, Included: 1)

Code	Name
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6806	234	**Product/Service ID**	C	AN	1/48	Used

Description: Identifying number for a product or service

Syntax Rules:

1. R0405 - At least one of G6804 or G6805 is required.
2. P0506 - If either G6805 or G6806 is present, then the other is required.

Comments:

1. G6802 qualifies G6801.

User Note 1:

Effective with UCS version coinciding with the UCC-published sunset date (2005) for the discontinuation of the use of 12-digit product identifiers, the G6804 (U.P.C. Case Code) will be marked as not used and will be replaced with the qualifier UK (U.P.C./EAN Shipping Container Code) (1-2-5-5-1) in G6805. The corresponding 14-digit product code will be reflected in DE234. This parallels the global transition to the 14-digit UCC/EAN-14 product identification numbering structure. In preparation for the transition, the UK qualifier and the corresponding 14-digit product code should be communicated in G6805 and G6806, respectively.

User Note 2:

Example:

G68*252*CA*15.04*004369508305*UK*10043695083054

Loop Allowance or Charge

Pos: 060	**Repeat: 100**
	Optional
Loop: 0310	**Elements: N/A**

User Option (Usage): Used
Purpose: To specify allowances, charges, or services

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
060	G72	Allowance or Charge	M	1		Must use

G72   Allowance or Charge

<div style="border:1px solid">Pos: 060   Max: 1
Detail - Mandatory
Loop: 0310   Elements: 3</div>

User Option (Usage): Must use
Purpose: To specify allowances, charges, or services

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G7201	340	**Allowance or Charge Code**	M	ID	1/3	Must use

Description: Code identifying the type of allowance or charge

CodeList Summary (Total Codes: 113, Included: 1)

Code	Name
88	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G7202	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2	Must use

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

CodeList Summary (Total Codes: 22, Included: 1)

Code	Name
08	Off Gross Quantity Invoiced

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G7205	359	**Allowance or Charge Rate**	C	R4	1/15	Must use

Description: Allowance or Charge Rate per Unit

Comments:

1. The G73 segment is required when G7201 contains code "499" or "999"; however, the use of these codes is discouraged.

User Note 1:

G7206 and G7207 are required when G7205 is used and, G7206 and G7207 are different than G6801 and G6802.

User Note 2:

Example:
G72*88*08***2.48~

G76   Total Purchase Order

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 7

User Option (Usage): Must use
Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume, and to specify payment method

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G7601	330	**Quantity Ordered**	M	R0	1/15	Must use

Description: Quantity ordered

G7602	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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: 794, Included: 1)

Code	Name
CA	Case

G7603	81	**Weight**	C	R2	1/10	Used

Description: Numeric value of weight

G7604	355	**Unit or Basis for Measurement Code**	C	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: 794, Included: 1)

Code	Name
LB	Pound

G7605	183	**Volume**	C	R3	1/8	Used

Description: Value of volumetric measure

G7606	355	**Unit or Basis for Measurement Code**	C	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: 794, Included: 1)

Code	Name
CF	Cubic Feet

G7608	610	**Amount**	M	N2	1/15	Must use

Description: Monetary amount

Syntax Rules:

1. P0304 - If either G7603 or G7604 is present, then the other is required.
2. P0506 - If either G7605 or G7606 is present, then the other is required.

Semantics:

1. G7608 indicates the total monetary amount of the purchase order as determined by the buyer.

Comments:

1. G7602 qualifies G7601.

User Note 1:
Example:
*G76*5776*CA*34137.24*LB*2231.74*CF**8975968*

SE   Transaction Set Trailer

Pos: 020	**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.

User Note 1:

*Example: SE*84*0210*

GE   Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use
Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Must use

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element
User Note 1: *The count of ST segments within the group.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE02	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender
User Note 1: *This must be the same number as is in the GS segment (GS06) for the group.*

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

User Note 1:

The group control number (GE02) is the same as that used in the corresponding header (GS06).

IEA Interchange Control Trailer

Pos: Max: 1
Not Defined - Mandatory
Loop: N/A Elements: 2

User Option (Usage): Must use
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Must use

Description: A count of the number of functional groups included in an interchange
User Note 1: *IEA01 contains the count of GS segments within the transmission.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender
User Note 1: *IEA02 must be the same number as in the ISA segment (ISA13) for the transmission.*