Sprouts Farmers Market 860 Purchase Order Change Request

X12/V5010/860: 860 Purchase Order Change Request

Author:	**SPS Commerce**
Company:	**Sprouts Farmers Market**

860 Purchase Order Change Request - Buyer Initiated

Functional Group=**PC**

Purpose: This X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Change Request - Buyer Initiated Transaction Set (860) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the information required for the customary and established business and industry practice relative to a purchase order change. This transaction can be used: (1) by a buyer to request a change to a previously submitted purchase order or (2) by a buyer to confirm acceptance of a purchase order change initiated by the seller or by mutual agreement of the two parties.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BCH	Beginning Segment for Purchase Order Change	M	1			Must use
0500	REF	Reference Information	M	3			Must use
0600	PER	Administrative Communications Contact	O	3			Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	1			Used
1500	DTM	Date/Time Reference	O	4			Used
2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1			Used
LOOP ID - N9					**10**		
2850	N9	Extended Reference Information	M	1			Must use
2900	MTX	Text	M	1			Must use
LOOP ID - N1					**200**		
3000	N1	Party Identification	O	1			Used
3200	N3	Party Location	O	2			Used
3300	N4	Geographic Location	O	>1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - POC					**100000**		
0100	POC	Line Item Change	M	1			Must use
LOOP ID - PID					**5**		
0500	PID	Product/Item Description	M	1			Must use
0900	PO4	Item Physical Details	M	>1			Must use
LOOP ID - SAC					**25**		
1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
1900	SDQ	Destination Quantity	C	500			Used
LOOP ID - N9					**10**		
3200	N9	Extended Reference Information	M	1			Must use

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
3260	MTX	Text	M	1			Must use

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT					**1**	**N3/0100L**	
0100	CTT	Transaction Totals	O	1		N3/0100	Used
0300	SE	Transaction Set Trailer	M	1			Must use

Notes:

3/0100L   Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

3/0100   Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

General Usage:

Purchase Order Changes- Suppliers will be required to support the receipt of Purchase Order Change data from Sprouts Farmers Market as part of the process of automating order changes. Order change types appear to supplies as indicated below –

. Order Cancelations

. Order Replacements

. Dates

. Item additions, deletions, date, price and quantity updates

Change History:

08/10/2018
- Updated the PO4 segment to be mandatory. The case pack value will always be provided.

01/09/2019
- Added PO402, PO403 as optional elements.

7/15/2021
- Added POC02 code 'NC' to indicate no changes have been made to the line item

8/26/2021
- Added BCH02 code 'KN' (Cross Dock)
- Added line SDQ segment as Conditional

ST　Transaction Set Header

Pos: 0100	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: 318, Included: 1)

Code	Name
860	Purchase Order Change Request - Buyer Initiated

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.

BCH Beginning Segment for Purchase Order Change

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

User Option (Usage): Must use

Purpose: To indicate the beginning of the Purchase Order Change Transaction Set and transmit identifying numbers and dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCH01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 66, Included: 2)

Code	Name
01	Cancellation
05	Replace

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCH02	92	**Purchase Order Type Code**	M	ID	2/2	Must use

Description: Code specifying the type of Purchase Order

CodeList Summary (Total Codes: 76, Included: 4)

Code	Name
DR	Direct Ship
KN	Purchase Order

> **User Note 1:**
> *Cross Dock*

Code	Name
PR	Promotion
SA	Stand-alone Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCH03	324	**Purchase Order Number**	M	AN	1/22	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCH06	373	**Date**	M	DT	8/8	Must use

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

User Note 1: *Purchase Order Date*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCH11	373	**Date**	M	DT	8/8	Must use

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

User Note 1: *Purchase Order Change Date*

Semantics:

1. BCH06 is the date assigned by the purchaser to purchase order.
2. BCH09 is the seller's order number.
3. BCH10 is the date assigned by the sender to the acknowledgment.
4. BCH11 is the date of the purchase order change request.

REF   Reference Information

Pos: 0500	**Max: 3**
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 Identifcation Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1731, Included: 3)

Code	Name
11	Account Number

> **User Note 1:**
>
> *Vendor assigned account number.*

DP	Department Number

> **User Note 1:**
>
> *Sprouts assigned Department Number*

IA	Internal Vendor Number

> **User Note 1:**
>
> *Sprouts assigned vendor ID - Mandatory*

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
BD	Buyer Name or Department

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	M	AN	1/60	Must use

Description: Free-form name

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

Description: Code identifying the type of communication number

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

Code	Name
TE	Telephone

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

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER05	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

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

Code	Name
EM	Electronic Mail

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER06	364	**Communication Number**	X	AN	1/256	Used

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

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.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300   Max: 1
Heading - Optional
Loop: N/A   Elements: 5

User Option (Usage): Used
Purpose: To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD02	333	**Terms Basis Date Code**	O	ID	1/2	Used

Description: Code identifying the beginning of the terms period

CodeList Summary (Total Codes: 17, Included: 3)

Code	Name
1	Ship Date
3	Invoice Date
15	Receipt of Goods

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD03	338	**Terms Discount Percent**	O	R	1/6	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD05	351	**Terms Discount Days Due**	X	N0	1/3	Used

Description: Number of days in the terms discount period by which payment is due if terms discount is earned

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD07	386	**Terms Net Days**	O	N0	1/3	Used

Description: Number of days until total invoice amount is due (discount not applicable)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD12	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. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. 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.

User Note 1:

This segment will only be present if changing from the original Purchase Order (EDI 850)

DTM   **Date/Time Reference**

<div style="border:1px solid black">

Pos: 1500   **Max: 4**

Heading - Optional

Loop: N/A   **Elements: 2**

</div>

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: 3)

Code	Name
002	Delivery Requested
010	Requested Ship
118	Requested Pickup

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.

User Note 1:

This segment will only be present if changing from the original Purchase Order (EDI 850)

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 2400   Max: 1
Heading - Optional
Loop: N/A   Elements: 3

User Option (Usage): Used

Purpose: To specify the carrier and sequence of routing and provide transit time information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD502	66	**Identification Code Qualifier**	O	ID	1/2	Used

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

CodeList Summary (Total Codes: 241, Included: 1)

Code Name
2   Standard Carrier Alpha Code (SCAC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD503	67	**Identification Code**	O	AN	2/80	Used

Description: Code identifying a party or other code

User Note 1: *SCAC*
Min/ Max = 2/4

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD505	387	**Routing**	O	AN	1/35	Used

Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

User Note 1: *Carrier Routing / Name*

Syntax Rules:

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.
5. C1312 - If TD513 is present, then TD512 is required.
6. C1413 - If TD514 is present, then TD513 is required.
7. C1512 - If TD515 is present, then TD512 is required.

Semantics:

1. TD515 is the country where the service is to be performed.

Comments:

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

User Note 1:

This segment will only be present if changing from the original Purchase Order (EDI 850)

Loop Extended Reference Information

Pos: 2850	Repeat: 10
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
2850	N9	Extended Reference Information	M	1		Must use
2900	MTX	Text	M	1		Must use

N9 Extended Reference Information

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 will contain one of the following 3 characters codes to identify the type of note to follow in MTX02.
- *GEN: General Note*
- *SHP: Shipping Note*
- *SPE: Special Instructions*

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="border:1px solid black">

Pos: 2900   **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

User Note 1:

If N902 =

. GEN - MTX02 is a General Note

. SHP - MTX02 is a Shipping Note

. SPE - MTX02 is a Special Instruction

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 Party Identification

Pos: 3000	**Repeat: 200**
	Optional
Loop: N1	**Elements: N/A**

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
3000	N1	Party Identification	O	1		Used
3200	N3	Party Location	O	2		Used
3300	N4	Geographic Location	O	>1		Used

N1   Party Identification

Pos: 3000	**Max: 1**
Heading - Optional	
Loop: N1	**Elements: 4**

User Option (Usage): Used

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: 2)

Code	Name
SF	Ship From
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

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

CodeList Summary (Total Codes: 241, Included: 2)

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Used

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.
2. N105 and N106 further define the type of entity in N101.

N3 **Party Location**

Pos: 3200	Max: 2
Heading - Optional	
Loop: N1	**Elements: 2**

User Option (Usage): Used

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				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 3300	**Max: >1**
Heading - Optional	
Loop: N1	**Elements: 4**

User Option (Usage): Used

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**	O	AN	2/30	Used

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	X	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Used

Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	X	ID	2/3	Used

Description: Code identifying the country

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 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.

Loop Line Item Change

Pos: 0100	Repeat: 100000
Optional	
Loop: POC	**Elements: N/A**

User Option (Usage): Used

Purpose: To specify changes to a line item

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	POC	Line Item Change	M	1		Must use
0500		Loop PID	M		5	Must use
0900	PO4	Item Physical Details	M	>1		Must use
1300		Loop SAC	O		25	Used
1900	SDQ	Destination Quantity	C	500		Used
3200		Loop N9	O		10	Used

POC Line Item Change

<table>
<tr><td>Pos: 0100</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Mandatory</td></tr>
<tr><td>Loop: POC</td><td>Elements: 12</td></tr>
</table>

User Option (Usage): Must use
Purpose: To specify changes to a line item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POC01	350	**Assigned Identification**	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POC02	670	**Change or Response Type Code**	M	ID	2/2	Must use

Description: Code specifying the type of change to the line item

CodeList Summary (Total Codes: 30, Included: 8)

Code	Name
AI	Add Additional Item(s)
CA	Changes To Line Items
DI	Delete Item(s)
NC	Concurrent Item (No Change)
PC	Price Change
PQ	Unit Price/Quantity Change
QD	Quantity Decrease
QI	Quantity Increase

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POC03	380	**Quantity**	O	R	1/15	Used

Description: Numeric value of quantity

User Note 1: *Original Order Quantity*

For items being added (POC02=AI), POC03 would be null or equal to '0'.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POC04	671	**Quantity Left to Receive**	O	R	1/15	Used

Description: Quantity left to receive as qualified by the unit of measure

User Note 1: *New Quantity*

For items being deleted (POC02=DI), POC04 would be equal to '0'.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POC05	C001	**Composite Unit of Measure**	C	Comp		Used

Description: To identify a composite unit of measure (See Figures Appendix for examples of use)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POC05-01	355	**Unit or Basis for Measurement Code**	X	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
CA	Case
EA	Each

		Code	**Name**				
		LB	Pound				
POC06	212	**Unit Price**		O	R	1/17	Used

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

User Note 1: *This is the Net Purchase Price.*

POC08	235	**Product/Service ID Qualifier**	O	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: 1)

Code **Name**
UP   UCC - 12

POC09	234	**Product/Service ID**	O	AN	1/48	Used

Description: Identifying number for a product or service

POC10	235	**Product/Service ID Qualifier**	O	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: 1)

Code **Name**
VN   Vendor's (Seller's) Item Number

POC11	234	**Product/Service ID**	O	AN	1/48	Used

Description: Identifying number for a product or service

POC12	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: 1)

Code **Name**
UK   GTIN 14-digit Data Structure

POC13	234	**Product/Service ID**	O	AN	1/48	Used

Description: Identifying number for a product or service

Syntax Rules:

1. P0305 - If either POC03 or POC05 is present, then the other is required.
2. C0405 - If POC04 is present, then POC05 is required.
3. C0706 - If POC07 is present, then POC06 is required.
4. P0809 - If either POC08 or POC09 is present, then the other is required.
5. P1011 - If either POC10 or POC11 is present, then the other is required.
6. P1213 - If either POC12 or POC13 is present, then the other is required.
7. P1415 - If either POC14 or POC15 is present, then the other is required.
8. P1617 - If either POC16 or POC17 is present, then the other is required.
9. P1819 - If either POC18 or POC19 is present, then the other is required.
10. P2021 - If either POC20 or POC21 is present, then the other is required.

11. P2223 - If either POC22 or POC23 is present, then the other is required.
12. P2425 - If either POC24 or POC25 is present, then the other is required.
13. P2627 - If either POC26 or POC27 is present, then the other is required.

Semantics:

1. POC01 is the purchase order line item identification.
2. POC03 is quantity ordered.

User Note 1:

One of Vendor Part Number, UPC Number or GTIN Number will always be present.

Loop Product/Item Description

Pos: 0500   Repeat: 5

Mandatory

Loop: PID   Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0500	PID	Product/Item Description	M	1		Must use

User Note 1:

One iteration of the PID loop will always be present for the Product Description (PID05, when PID01=F and PID02=08).

The Product Description (PID05, when PID01=F and PID02=08) could repeat (up to 5 iterations) if needed.

PID Product/Item Description

<div style="border:1px solid black">

Pos: 0500   **Max: 1**

Detail - Mandatory

Loop: PID   **Elements: 3**

</div>

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

> **User Note 1:**
>
> *Mandatory*

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

<table>
<tr><td>Pos: 0900</td><td>Max: >1</td></tr>
<tr><td colspan="2" align="center">Detail - Mandatory</td></tr>
<tr><td>Loop: POC</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Must use

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**	M	N0	1/6	Must use

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

User Note 1: *The number of eaches per container (case).*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO402	357	**Size**	X	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**	X	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: 4)

Code	Name
GA	Gallon
LB	Pound
LT	Liter
OZ	Ounce - Av

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.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 1300	**Repeat: 25**
	Optional
Loop: SAC	**Elements: N/A**

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 1300	Max: 1
Detail - Optional	
Loop: SAC	**Elements: 4**

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

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

> **Description:** Code identifying the service, promotion, allowance, or charge
>
> **CodeList Summary** (Total Codes: 1090, Included: 1)
>
> **Code** **Name**
> C310   Discount

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

> **Description:** Monetary amount

SAC15	352	**Description**	O	AN	1/80	Used

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

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.

SDQ Destination Quantity

<table>
<tr><td>Pos: 1900</td><td>Max: 500</td></tr>
<tr><td colspan="2">Detail - Conditional</td></tr>
<tr><td>Loop: POC</td><td>Elements: 23</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify destination and quantity detail

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ01	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: 844, Included: 3)

Code	Name
CA	Case
EA	Each
LB	Pound

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ02	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: 241, Included: 2)

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ03	67	**Identification Code**	M	AN	2/80	Must use

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ04	380	**Quantity**	M	R	1/15	Must use

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ05	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ06	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ07	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ08	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ09	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ10	380	**Quantity**	X	R	1/15	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Numeric value of quantity				
SDQ11	67	**Identification Code**	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ12	380	**Quantity**	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ13	67	**Identification Code**	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ14	380	**Quantity**	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ15	67	**Identification Code**	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ16	380	**Quantity**	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ17	67	**Identification Code**	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ18	380	**Quantity**	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ19	67	**Identification Code**	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ20	380	**Quantity**	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ21	67	**Identification Code**	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ22	380	**Quantity**	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ23	310	**Location Identifier**	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

1. P0506 - If either SDQ05 or SDQ06 is present, then the other is required.
2. P0708 - If either SDQ07 or SDQ08 is present, then the other is required.
3. P0910 - If either SDQ09 or SDQ10 is present, then the other is required.
4. P1112 - If either SDQ11 or SDQ12 is present, then the other is required.
5. P1314 - If either SDQ13 or SDQ14 is present, then the other is required.
6. P1516 - If either SDQ15 or SDQ16 is present, then the other is required.
7. P1718 - If either SDQ17 or SDQ18 is present, then the other is required.
8. P1920 - If either SDQ19 or SDQ20 is present, then the other is required.

9. P2122 - If either SDQ21 or SDQ22 is present, then the other is required.

Semantics:

1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

1. SDQ02 is used only if different than previously defined in the transaction set.
2. SDQ03 is the store number.
3. SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

User Note 1:

Mandatory when BCH02 = KN (Cross Dock)

Loop Extended Reference Information

Pos: 3200	Repeat: 10
	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
3200	N9	Extended Reference Information	M	1		Must use
3260	MTX	Text	M	1		Must use

N9 Extended Reference Information

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 will contain one of the following 3 characters codes to identify the type of note to follow in MTX02.
. GEN: General Note
. SHP: Shipping Note
. SPE: Special Instructions

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**

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

User Note 1:

If N902 =

  . GEN - MTX02 is a General Note

  . SHP - MTX02 is a Shipping Note

  . SPE - MTX02 is a Special Instruction

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 Transaction Totals

Pos: 0100	Repeat: 1
Optional	
Loop: CTT	**Elements: N/A**

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	CTT	Transaction Totals	O	1		Used

CTT Transaction Totals

Pos: 0100   Max: 1
Summary - Optional
Loop: CTT   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**	M	N0	1/6	Must use

        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: 0300   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.