



855 Purchase Order Acknowledgment

Functional Group=PC

Version 004030 X12

Mapping Procedures and Tips on Whole Foods 855 Document

Whole Foods utilizes the 855 Purchase Order Acknowledgment Transaction Set for all divisions within the company. The 855 Transaction Set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

Header:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max Use</u>	<u>Loop Repeat</u>
0100	ST	Transaction Set Header	M	1	
0200	BAK	Beginning Segment for PO Acknowledgment	M	1	
0400	CUR	Currency	O	1	
Loop ID – SAC					25
1200	SAC	Service, Promotion, Allowance or Charge	O	1	
1500	DTM	Date/Time Reference	O	1	
Loop ID – N9					1000
2950	N9	Reference Identification	O	1	
3000	MTX	Text	O	>1	
Loop ID – N1					6
3000	N1	Name	M	1	



Detail:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max Use</u>	<u>Loop Repeat</u>
Loop ID – PO1					100000
0100	PO1	Baseline Item Data	M	1	1
0500	PID	Product/Item Description	O	1	1
0900	PO4	Item Physical Details	M	1	1
Loop ID – PO1/SAC					25
1300	SAC	Service, Promotion, Allowance, or Charge	O	1	1
2000	DTM	Date/Time Reference	O	1	
6000	AMT	Monetary Amount	M	1	

Summary:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max Use</u>	<u>Loop Repeat</u>
Loop ID – CTT					1
0100	CTT	Transaction Totals	O	1	
0200	AMT	Monetary Amount	M	1	
0300	SE	Transaction Set Trailer	M	1	



ISA Interchange Control Header

Usage: Mandatory
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
ISA01	I01	Authorization Information Qualifier <u>Code</u> <u>Description</u> 00 No Authorization Information Present (No Meaningful Information in I02)	M	ID	2/2
ISA02	I02	Authorization Information <i>Will be blank</i>	M	AN	10/10
ISA03	I03	Security Information Qualifier <u>Code</u> <u>Description</u> 00 No Security Information Present (No Meaningful Information in I04)	M	ID	2/2
ISA04	I04	Security Information <i>Will be blank</i>	M	AN	10/10
ISA05	I05	Interchange ID Qualifier <i>Sender Qualifier</i>	M	ID	2/2
ISA06	I06	Interchange Sender ID <i>Sender ISA</i>	M	AN	15/15
ISA07	I05	Interchange ID Qualifier <u>Code</u> <u>Description</u> 01 Duns (Dun and Bradstreet)	M	ID	2/2
ISA08	I07	Interchange Receiver ID <i>"196175616" + Regional Designator</i>	M	AN	15/15
Regional Designators					
Florida = FL					
Mid-Atlantic = MA					
Midwest = MW					
North Atlantic = NA					
Northeast = NE					
Northern California = NC					
Pacific Northwest = PN					
Rocky Mountain = RM					
South = SO					
South Pacific = SP					
Southwest = SW					
United Kingdom = UK					
ISA09	I08	Interchange Date <i>In format YYMMDD</i>	M	DT	6/6
ISA10	I09	Interchange Time <i>In format HHMM</i>	M	TM	4/4
ISA11	I65	Repetition Separator <i>"U"</i>	M		1/1



ISA12	I11	Interchange Control Version Number "00403"	M	ID	5/5
ISA13	I12	Interchange Control Number	M	N0	9/9
ISA14	I13	Acknowledgment Requested "0"	M	ID	1/1
ISA15	I14	Interchange Usage Indicator "T" (Test) or "P" (Production)	M	ID	1/1
ISA16	I14	Component Element Separator ">"	M		1/1



GS Functional Group Header

Usage: Mandatory
Purpose: To indicate the beginning of a functional group and to provide control information.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
GS01	479	Functional Identifier Code <u>Code</u> <u>Description</u> PR Purchase Order Acknowledgment (855)	M	ID	2/2
GS02	142	Application Sender's Code <i>Sender GS ID</i>	M	AN	2/15
GS03	124	Application Receiver's Code <i>"196175616" + Regional Designator</i>	M	AN	2/15
Regional Designators					
Florida = FL					
Mid-Atlantic = MA					
Midwest = MW					
North Atlantic = NA					
Northeast = NE					
Northern California = NC					
Pacific Northwest = PN					
Rocky Mountain = RM					
South = SO					
South Pacific = SP					
Southwest = SW					
United Kingdom = UK					
GS04	373	Date <i>In format YYYYMMDD</i>	M	DT	8/8
GS05	337	Time <i>In format HHMM</i>	M	TM	4/8
GS06	28	Group Control Number	M	N0	1/9
GS07	455	Responsible Agency Code <u>Code</u> <u>Description</u> X Accredited Standards Committee X12	M	ID	1/2
GS08	480	Version/Release/Industry Identifier Code <i>"004030"</i>	M	AN	1/12



ST Transaction Set Header

Position: 010
Max Use: 1
Level: Header
Usage: Mandatory
Loop: N/A
Elements: 2
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
ST01	143	Transaction Set Identifier Code	M	ID	3/3
		<u>Code</u> <u>Description</u>			
		855 Purchase Order Acknowledgment			
ST02	329	Transaction Set Control Number	M	AN	4/9

BAK Beginning Segment for Purchase Order Acknowledgment

Position: 0200
Max Use: 1
Level: Heading
Usage: Mandatory
Loop: N/A
Elements: 5
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
BAK01	353	Transaction Set Purpose Code	M	ID	2/2
		<u>Code</u> <u>Name</u>			
		00 Original			
BAK02	587	Acknowledgment Type	M	ID	2/2
		<u>Code</u> <u>Name</u>			
		AC Acknowledge – With Detail and Change			
		AD Acknowledge – With Detail, No Change			
BAK03	324	Purchase Order Number	M	N0	1/22
BAK04	373	Purchase Order Date	M	DT	8/8
		<i>Date expressed as CCYYMMDD</i>			
BAK09	373	Acknowledgment Date	M	DT	8/8
		<i>Date expressed as CCYYMMDD</i>			



CUR Currency

Position: 0400
Max Use: 1
Level: Heading
Usage: Optional
Loop: N/A
Elements: 4
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
CUR01	98	Entity Identifier Code <u>Code</u> <u>Name</u> BY Buying Party	M	ID	2/3
CUR02	100	Currency Code <u>Code</u> <u>Name</u> USD U.S. Dollars	M	ID	3/3



SAC Service, Promotion, Allowance, or Charge Information

Position: 1300
Max Use: 1
Level: Header
Usage: Optional
Loop: SAC
Elements: 3
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
SAC01	248	Allowance or Charge Indicator <u>Code</u> <u>Name</u> A Allowance – used when SAC02 = 'C310' C Charge – used when SAC02 = 'A010', 'D200', 'E270', 'H740'	M	ID	1/2
SAC02	1300	Service, Promotion, Allowance, or Charge Code <u>Code</u> <u>Name</u> A010 Minimum Order Charge – use SAC05 C310 Invoice Level Discount – use SAC06/07 D200 Freight Charge – use SAC05 E270 Late Order Charge – use SAC05 H740 Tax – Sales and Use – use either SAC05 or SAC06/07	M	ID	4/4
SAC05	610	Amount <i>Note: Use SAC05 when SAC02 = 'A010', 'D200', and 'E270'</i> <i>Note: Can use SAC05 when SAC02 = 'H740'</i>	M	N2	1/15
SAC06	378	Allowance/Charge Percent Qualifier <u>Code</u> <u>Name</u> Z Mutually Defined <i>Note: Use SAC06 when SAC02 = 'C310'</i> <i>Note: Can use SAC06 when SAC02 = 'H740'</i>	X	ID	1/1
SAC07	332	Percent <i>Note: Use SAC07 when SAC02 = 'C310'</i> <i>Note: Can use SAC07 when SAC02 = 'H740'</i>	X	R	1/6

Notes: If there is both a Summary Level and Detail Level discount (SAC01 = 'C310'), the Detail Level discount overrides the Summary Level discount for that line item.



DTM Date/Time Reference

Position: 1500
Max Use: 1
Level: Heading
Usage: Optional
Loop: N/A
Elements: 2
Purpose: To specify pertinent dates and times.

Element Summary:

Ref	Id	<u>Element Name</u>	Req	Type	Min/Max
DTM01	374	Date/Time Qualifier <u>Code</u> <u>Name</u> 010 Requested Ship	M	ID	3/3
DTM02	373	Date <i>Date expressed as CCYYMMDD</i>	M	DT	8/8

N9 Reference Identification

Position: 2950
Max Use: 1
Level: Heading
Usage: Optional
Loop: N9
Elements: 2
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier.

Element Summary:

Ref	Id	<u>Element Name</u>	Req	Type	Min/Max
N901	128	Reference Identification Qualifier <u>Code</u> <u>Name</u> L1 Letters or Notes	M	ID	2/3
N902	127	Reference Identification	M	AN	1/30



MTX Text

Position: 3000
Max Use: >1
Level: Heading
Usage: Optional
Loop: N9
Elements: 1
Purpose: To provide a free-form format that allows the transmission of text information.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
MTX02	1551	Message Text	M	AN	1/4096

N1 Name

Position: 3000
Max Use: 1 per N1 loop; max 6 N1 loops
Level: Heading
Usage: Mandatory (at least 1 N1 loop minimum)
Loop: N1
Elements: 4
Purpose: To identify a party by type of organization, name and code.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N101	98	Entity Identifier Code <u>Code</u> <u>Name</u> BT Bill To SF Ship From SN Store Name ST Ship To U4 Team (Sub-team) VN Vendor	M	ID	2/3
N102	93	Name	M	AN	1/60
N103	66	Identification Code Qualifier <u>Code</u> <u>Name</u> 9 Duns+4 – use when N101 = "SF" 91 Assigned by Seller – use when N101 = "ST" 92 Assigned by Buyer – use when N101 = "BT", "SN", "U4" and "VN"	M	ID	1/2
N104	67	Identification Code	M	AN	2/80



PO1 Baseline Item Data

Position: 0100
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: PO1
Elements: 8
Purpose: To specify basic and most frequently used line item data.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PO101	350	Assigned ID	O	AN	1/20
PO102	330	Quantity Ordered	M	R	1/15
PO103	355	Unit or Basis for Measurement Code <i>Note: See Appendix A for valid Units of Measure</i>	M	ID	2/2
PO104	212	Unit Price	M	R	1/17
PO106	235	Product/Service ID Qualifier <u>Code</u> <u>Name</u> UP UCC - 12	M	ID	2/2
PO107	234	Product/Service ID	M	AN	1/48
PO108	235	Product/Service ID Qualifier <u>Code</u> <u>Name</u> VC Vendor's Catalog Number	C	ID	2/2
PO109	234	Product/Service ID	C	AN	1/48

Syntax:

1. P0607 – If PO106 or PO107 is present, then the other is required.
2. P0809 – If PO108 or PO109 is present, then the other is required.



PID Product/Item Description

Position: 0500
Max Use: 1
Level: Detail
Usage: Optional
Loop: PO1/PID
Elements: 2
Purpose: To describe a product or process in coded or free form format.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PID01	349	Item Description Type <u>Code</u> <u>Name</u> F Free Form	M	ID	1/1
PID05	352	Description	M	AN	1/80

PO4 Item Physical Details

Position: 0900
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: PO1
Elements: 5
Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PO401	356	Pack	M	N0	1/6
PO402	357	Size	O	R	1/8
PO403	355	Unit or Basis for Measurement Code	O	ID	2/2



SAC Service, Promotion, Allowance, or Charge Information

Position: 1300
Max Use: 1
Level: Detail
Usage: Optional
Loop: PO1/SAC
Elements: 3
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
SAC01	248	Allowance or Charge Indicator <u>Code</u> <u>Name</u> A Allowance – used when SAC02 = 'C310', 'D170', 'F810' C Charge – used when SAC02 = 'C090', 'D200', 'D500', 'H740', 'H800'	M	ID	1/2
SAC02	1300	Service, Promotion, Allowance, or Charge Code <u>Code</u> <u>Name</u> C090 Deposit Charges (Bottle Deposits) – use SAC05 C310 Invoice Level Discount – use either SAC05 or SAC06/07 D170 Free Goods – use SAC09/10 D200 Freight Charge – use SAC05 D500 Handling Charge (Cash Redemption Value) – use SAC05 F810 Promotional Discount – use either SAC05 or SAC06/07 H740 Tax – Sales and Use – use either SAC05 or SAC06/07 H800 Tax – Value Added Tax (VAT) – use either SAC05 or SAC06/07	M	ID	4/4
SAC05	610	Amount <i>Note: Always use SAC05 when SAC02 = 'C090', 'D200', and 'D500'</i> <i>Note: Can use SAC05 when SAC02 = 'C310', 'F810', 'H740', or 'H800'</i>	X	N2	1/15
SAC06	378	Allowance/Charge Percent Qualifier <u>Code</u> <u>Name</u> Z Mutually Defined <i>Note: Can use SAC06 when SAC02 = 'C310', 'F810', 'H740', or 'H800'</i>	X	ID	1/1
SAC07	332	Percent <i>Note: Can use SAC07 when SAC02 = 'C310', 'F810', 'H740', or 'H800'</i>	X	R	1/6
SAC09	355	Unit or Basis for Measurement Code <i>Note: Use SAC09 when SAC02 = 'D170'</i>	X	ID	2/2
SAC10	380	Quantity <i>Note: Use SAC10 when SAC02 = 'D170'</i>	X	R	1/15

Notes: If there is both a Summary Level and Detail Level discount (SAC01 = 'C310'), the Detail Level discount overrides the Summary Level discount for that line item.



DTM Date/Time Reference

Position: 2000
Max Use: 1
Level: Detail
Usage: Optional
Loop: N/A
Elements: 2
Purpose: To specify pertinent dates and times.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
DTM01	374	Date/Time Qualifier <u>Code</u> <u>Name</u> ZZZ Mutually Defined	M	ID	3/3
DTM02	373	Date <i>Date expressed as CCYYMMDD</i> <i>If item is unavailable, this will be the Back Order Date (Restock Date)</i>	M	DT	8/8

AMT Transaction Totals

Position: 6000
Max Use: 1
Level: Detail
Usage: Mandatory
Loop: PO1
Elements: 2
Purpose: To indicate the total monetary amount.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
AMT01	522	Amount Qualifier Code <u>Code</u> <u>Name</u> 1 Line Item Total (Extended Line Item Cost)	M	ID	1/3
AMT02	782	Monetary Amount	M	R	1/18



CTT Transaction Totals

Position: 0100
Max Use: 1
Level: Summary
Usage: Optional
Loop: CTT
Elements: 1
Purpose: To transmit a hash total for a specific element in the transaction set.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
CTT01	354	Number of Line Items	M	N0	1/6

AMT Transaction Totals

Position: 0200
Max Use: 1
Level: Summary
Usage: Mandatory
Loop: CTT
Elements: 2
Purpose: To indicate the total monetary amount.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
AMT01	522	Amount Qualifier Code <u>Code</u> <u>Name</u> TT Total Transaction Amount	M	ID	1/3
AMT02	782	Monetary Amount	M	R	1/18



SE Transaction Set Trailer

Position: 030
Max Use: 1
Level: Summary
Usage: Mandatory
Loop: N/A
Elements: 2
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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	Number of included Segments	M	N0	1/10
SE02	329	Transaction Set Control Number	M	AN	4/9

GE Functional Group Trailer

Usage: Mandatory
Purpose: To indicate the end of a functional group and to provide control information.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6
GE02	28	Group Control Number	M	N0	1/9

IEA Interchange Control Trailer

Usage: Mandatory
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
IEA01	116	Number of Included Functional Groups	M	N0	1/5
IEA02	112	Interchange Control Number	M	N0	9/9



855 PURCHASE ORDER ACKNOWLEDGMENT - SAMPLE DATA

ISA*00* *00* *01* xxxxxxxxxx *01*196175616 *050503*1630*U*00403*810112567*0*P*>~
GS*PR*xxxxxxxx*196175616 *20050503*1630*810112567*X*004030~
ST*855*031047724~
BAK*00*AC*0000123456*20050502*****20050504~
CUR*BY*USD
SAC*A*D240***2500~
DTM*010*20070201~
N9*L1*P.O. NOTES~
MTX**FREE FORM TEXT~
N1*ST*WHOLE FDS SC#8 RB/GROC-REG*91*01627919~
N1*SN*WFM ACD FROZEN*92*10176~
N1*VN*COMPANY NAME*92*xxxxxxxx~
PO1*1*12*EA*2.26**UP*999944449993*VC*999933~
PID*F***SPECIAL FLOUR 2 LB~
PO4*9*2*LB ~
AMT*1*27.12~
PO1*2*24*CA*.80**UP*071142000067*VC*080077~
PID*F***SPECIAL WATER 1 GAL~
PO4*9*1*GA~
SAC*A*C090***1.2~
AMT*1*19.2~
PO1*3*30*CA*2.10**UP*071142000104*VC*080093~
PID*F***SPECIAL COLA 12 OZ~
PO4*9*12*OZ~
SAC*A*D500***1.5~
AMT*1*63
CTT*3~
AMT*TT*84.293~
SE*27*031047724~
GE*1*810112567~
IEA*1*810112567~



Appendix A

Valid Units of Measure

<u>Code</u>	<u>Description</u>
1N	Count
AV	Capsule
BG	Bag
BX	Box
CA	Case
CT	Carton
CU	Cup
DA	Days
DZ	Dozen
EA	Each
FO	Fluid Ounce
FT	Foot
GA	Gallon
GH	Half Gallon
GR	Gram
H2	Half Liter
IN	Inch
KG	Kilogram
LB	Pound
LT	Liter
ME	Milligram
ML	Milliliter
OZ	Ounce – Av
PC	Piece
PH	Pack
PT	Pint
QT	Quart
SH	Sheet
TY	Tray
U2	Tablet
UN	Unit
X2	Bunch
YD	Yard