



855 Purchase Order Acknowledgment

Version: 004010 X12

Company:

DOT FOODS, INC.

Purchase Order Acknowledgment

Functional Group=PR

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to 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.

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Used
	GS	Functional Group Header	M	1			Used

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
150	DTM	Date/Time Reference	M	10			Used
240	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12			Used

<u>LOOP ID - N9</u>					<u>1000</u>	
290	MSG	Message Text	O	1000		Used

<u>LOOP ID - N1</u>					<u>200</u>	
300	N1	Name	M	1		Used
320	N3	Address Information	O	2		Used
330	N4	Geographic Location	M	1		Must use

<u>LOOP ID - N1</u>					<u>200</u>	
300	N1	Name	M	1		Used
320	N3	Address Information	O	2		Used
330	N4	Geographic Location	M	1		Used

<u>LOOP ID - N1</u>					<u>200</u>	
300	N1	Name	M	1		Used
320	N3	Address Information	O	2		Used
330	N4	Geographic Location	M	1		Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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<u>LOOP ID - PO1</u>					<u>100000</u>	<u>N2/010L</u>	
010	PO1	Baseline Item Data	M	1		N2/010	Used

<u>LOOP ID - PID</u>					<u>1000</u>		
050	PID	Product/Item Description	M	1			Used

<u>LOOP ID - SAC</u>					<u>25</u>		
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

<u>LOOP ID - N9</u>					<u>1000</u>		
350	N9	Reference Identification	O	1			Used
360	MSG	Message Text	O	1000			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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<u>LOOP ID - CTT</u>					<u>1</u>	<u>N3/010L</u>	
010	CTT	Transaction Totals	O	1		N3/010	Used

030	SE	Transaction Set Trailer	M	1			Must use
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Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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GE	Functional Group Trailer	M	1	Must use
IEA	Interchange Control Trailer	M	1	Must use

Notes:

- 2/010L PO102 is required.
- 2/010 PO102 is required.
- 3/010L The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/010 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

User Option (Usage): Used

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>	<u>Usage</u>	<u>Rep</u>				
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use	1				
<p>Description: Code to identify the type of information in the Authorization Information</p> <p>CodeList Summary (Total Codes: 7, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>No Authorization Information Present (No Meaningful Information in I02)</td> </tr> </tbody> </table>								<u>Code</u>	<u>Name</u>	00	No Authorization Information Present (No Meaningful Information in I02)
<u>Code</u>	<u>Name</u>										
00	No Authorization Information Present (No Meaningful Information in I02)										
ISA02	I02	Authorization Information	M	AN	10/10	Must use	1				
<p>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)</p>											
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use	1				
<p>Description: Code to identify the type of information in the Security Information</p> <p>CodeList Summary (Total Codes: 2, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>No Security Information Present (No Meaningful Information in I04)</td> </tr> </tbody> </table>								<u>Code</u>	<u>Name</u>	00	No Security Information Present (No Meaningful Information in I04)
<u>Code</u>	<u>Name</u>										
00	No Security Information Present (No Meaningful Information in I04)										
ISA04	I04	Security Information	M	AN	10/10	Must use	1				
<p>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)</p>											
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use	1				
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p>CodeList Summary (Total Codes: 38, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>08</td> <td>UCC EDI Communications ID (Comm ID)</td> </tr> </tbody> </table>								<u>Code</u>	<u>Name</u>	08	UCC EDI Communications ID (Comm ID)
<u>Code</u>	<u>Name</u>										
08	UCC EDI Communications ID (Comm ID)										
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use	1				
<p>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</p> <p>Dot Foods: 9288030000</p>											
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use	1				
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p>											
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use	1				
<p>Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus</p>											

other parties sending to them will use this as a receiving ID to route data to them

ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6	Must use	1				
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must use	1				
ISA11	I10	Interchange Control Standards Identifier 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)	M	ID	1/1	Must use	1				
ISA12	I11	Interchange Control Version Number Description: This version number covers the interchange control segments CodeList Summary (Total Codes: 14, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00401</td> <td>Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use	1
<u>Code</u>	<u>Name</u>										
00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997										
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use	1				
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) CodeList Summary (Total Codes: 2, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No Acknowledgment Requested</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	0	No Acknowledgment Requested	M	ID	1/1	Must use	1
<u>Code</u>	<u>Name</u>										
0	No Acknowledgment Requested										
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information CodeList Summary (Total Codes: 3, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>P</td> <td>Production Data</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	P	Production Data	M	ID	1/1	Must use	1
<u>Code</u>	<u>Name</u>										
P	Production Data										
ISA16	I15	Component Element Separator 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	M		1/1	Must use	1				

User Option (Usage): Used

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>	<u>Usage</u>	<u>Rep</u>				
GS01	479	Functional Identifier Code	M	ID	2/2	Must use	1				
<p>Description: Code identifying a group of application related transaction sets</p> <p>CodeList Summary (Total Codes: 234, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>PR</td> <td>Purchase Order Acknowledgement (855)</td> </tr> </tbody> </table>								<u>Code</u>	<u>Name</u>	PR	Purchase Order Acknowledgement (855)
<u>Code</u>	<u>Name</u>										
PR	Purchase Order Acknowledgement (855)										
GS02	142	Application Sender's Code	M	AN	2/15	Must use	1				
<p>Description: Code identifying party sending transmission; codes agreed to by trading partners</p> <p>Dot Foods: 9288030000</p>											
GS03	124	Application Receiver's Code	M	AN	2/15	Must use	1				
<p>Description: Code identifying party receiving transmission. Codes agreed to by trading partners</p>											
GS04	373	Date	M	DT	8/8	Must use	1				
<p>Description: Date expressed as CCYYMMDD</p>											
GS05	337	Time	M	TM	4/8	Must use	1				
<p>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)</p>											
GS06	28	Group Control Number	M	NO	1/9	Must use	1				
<p>Description: Assigned number originated and maintained by the sender</p>											
GS07	455	Responsible Agency Code	M	ID	1/2	Must use	1				
<p>Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard</p> <p>CodeList Summary (Total Codes: 2, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>X</td> <td>Accredited Standards Committee X12</td> </tr> </tbody> </table>								<u>Code</u>	<u>Name</u>	X	Accredited Standards Committee X12
<u>Code</u>	<u>Name</u>										
X	Accredited Standards Committee X12										
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use	1				
<p>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</p>											

CodeList Summary (Total Codes: 36, Included: 1)

<u>Code</u>	<u>Name</u>
004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

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.

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use	1
		Description: Code uniquely identifying a Transaction Set					
		CodeList Summary (Total Codes: 298, Included: 1)					
		<u>Code</u>		<u>Name</u>			
		855		Purchase Order Acknowledgment			
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use	1
		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).

Beginning Segment for Purchase Order Acknowledgment

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
BAK01	353	Transaction Set Purpose Code	M	ID	2/2	Must use	1
Description: Code identifying purpose of transaction set							
CodeList Summary (Total Codes: 65, Included: 2)							
		<u>Code</u>	<u>Name</u>				
		05	Replace				
		06	Confirmation				
BAK02	587	Acknowledgment Type	M	ID	2/2	Must use	1
Description: Code specifying the type of acknowledgment							
CodeList Summary (Total Codes: 15, Included: 3)							
		<u>Code</u>	<u>Name</u>				
		AC	Acknowledge - With Detail and Change				
		AD	Acknowledge - With Detail, No Change				
		AP	Acknowledge - Product Replenishment				
BAK03	324	Purchase Order Number	M	AN	1/22	Must use	1
Description: Identifying number for Purchase Order assigned by the orderer/purchaser							
BAK04	373	Date	M	DT	8/8	Must use	1
Description: Date expressed as CCYYMMDD							
BAK08	127	Reference Identification	O	AN	1/30	Used	1
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier							
Dot Foods: <i>Dot order number</i>							

Semantics:

1. BAK04 is the date assigned by the purchaser to purchase order.
2. BAK08 is the seller's order number.
3. BAK09 is the date assigned by the sender to the acknowledgment.

DTM

Date/Time Reference

Pos: 150	Max: 10
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use	1
		Description: Code specifying type of date or time, or both date and time					
		CodeList Summary (Total Codes: 1112, Included: 2)					
		<u>Code</u>		<u>Name</u>			
		067		Current Schedule Delivery			
		068		Current Schedule Ship			
DTM02	373	Date	C	DT	8/8	Used	1
		Description: Date expressed as CCYYMMDD					

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.

TD5

Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Heading - Mandatory	
Loop: N/A	Elements: 1

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
TD504	91	Transportation Method/Type Code	C	ID	1/2	Used	1

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

CodeList Summary (Total Codes: 71, Included: 2)

<u>Code</u>	<u>Name</u>
H	Customer Pickup
M	Motor (Common Carrier)

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.

MSG

Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

User Option (Usage): Used

Purpose: To provide a free-form format that allows the transmission of text information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
MSG01	933	Free-Form Message Text	M	AN	1/264	Must use	1

Description: Free-form message text

Syntax Rules:

1. C0302 - If MSG03 is present, then MSG02 is required.

Semantics:

1. MSG03 is the number of lines to advance before printing.

Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2. If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

N1

Name

Pos: 300	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use	1
Description: Code identifying an organizational entity, a physical location, property or an individual							
CodeList Summary (Total Codes: 1312, Included: 1)							
		<u>Code</u>	<u>Name</u>				
		ST	Ship To				
N102	93	Name	M	AN	1/60	Used	1
Description: Free-form name							
N103	66	Identification Code Qualifier	C	ID	1/2	Used	1
Description: Code designating the system/method of code structure used for Identification Code (67)							
CodeList Summary (Total Codes: 215, Included: 1)							
		<u>Code</u>	<u>Name</u>				
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix				
N104	67	Identification Code	C	AN	2/80	Used	1
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

Address Information

Pos: 320	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

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

N4

Geographic Location

Pos: 330	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 3

User Option (Usage): Must use

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used	1
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used	1
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used	1

Syntax Rules:

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

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N1

Name

Pos: 300	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use	1
Description: Code identifying an organizational entity, a physical location, property or an individual							
CodeList Summary (Total Codes: 1312, Included: 1)							
		<u>Code</u>	<u>Name</u>				
		BT	Bill-to-Party				
N102	93	Name	C	AN	1/60	Used	1
Description: Free-form name							
N103	66	Identification Code Qualifier	C	ID	1/2	Used	1
Description: Code designating the system/method of code structure used for Identification Code (67)							
CodeList Summary (Total Codes: 215, Included: 1)							
		<u>Code</u>	<u>Name</u>				
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix				
N104	67	Identification Code	C	AN	2/80	Used	1
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.

Address Information

Pos: 320	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

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

N4

Geographic Location

Pos: 330	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 3

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used	1
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used	1
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used	1

Syntax Rules:

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

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N1

Name

Pos: 300	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use	1
Description: Code identifying an organizational entity, a physical location, property or an individual							
CodeList Summary (Total Codes: 1312, Included: 1)							
		<u>Code</u>	<u>Name</u>				
		SF	Ship From				
N102	93	Name	C	AN	1/60	Used	1
Description: Free-form name							
N103	66	Identification Code Qualifier	C	ID	1/2	Used	1
Description: Code designating the system/method of code structure used for Identification Code (67)							
CodeList Summary (Total Codes: 215, Included: 1)							
		<u>Code</u>	<u>Name</u>				
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix				
N104	67	Identification Code	C	AN	2/80	Used	1
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

Address Information

Pos: 320	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

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

N4

Geographic Location

Pos: 330	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 3

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used	1
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used	1
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used	1

Syntax Rules:

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

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

PO1

Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 11

User Option (Usage): Used

Purpose: To specify basic and most frequently used line item data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>																
PO102	330	Quantity Ordered Description: Quantity ordered	C	R	1/15	Used	1																
PO103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CodeList Summary (Total Codes: 794, Included: 7) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>BG</td><td>Bag</td></tr> <tr><td>CA</td><td>Case</td></tr> <tr><td>DR</td><td>Drum</td></tr> <tr><td>EA</td><td>Each</td></tr> <tr><td>GA</td><td>Gallon</td></tr> <tr><td>PA</td><td>Pail</td></tr> <tr><td>TE</td><td>Tote</td></tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BG	Bag	CA	Case	DR	Drum	EA	Each	GA	Gallon	PA	Pail	TE	Tote	O	ID	2/2	Used	1
<u>Code</u>	<u>Name</u>																						
BG	Bag																						
CA	Case																						
DR	Drum																						
EA	Each																						
GA	Gallon																						
PA	Pail																						
TE	Tote																						
PO104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	R	1/17	Used	1																
PO106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) CodeList Summary (Total Codes: 477, Included: 2) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>UA</td><td>U.P.C./EAN Case Code (2-5-5)</td></tr> <tr><td>UK</td><td>U.P.C./EAN Shipping Container Code (1-2-5-5-1)</td></tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	UA	U.P.C./EAN Case Code (2-5-5)	UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)	C	ID	2/2	Used	1										
<u>Code</u>	<u>Name</u>																						
UA	U.P.C./EAN Case Code (2-5-5)																						
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)																						
PO107	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/48	Used	1																
PO108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) CodeList Summary (Total Codes: 477, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>MG</td><td>Manufacturer's Part Number</td></tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	MG	Manufacturer's Part Number	C	ID	2/2	Used	1												
<u>Code</u>	<u>Name</u>																						
MG	Manufacturer's Part Number																						
PO109	234	Product/Service ID Description: Identifying number for a product or service Dot Foods: Manufacturer Number	C	AN	1/48	Used	1																
PO110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) CodeList Summary (Total Codes: 477, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>PI</td><td>Purchaser's Item Code</td></tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	PI	Purchaser's Item Code	C	ID	2/2	Used	1												
<u>Code</u>	<u>Name</u>																						
PI	Purchaser's Item Code																						

PO111	234	Product/Service ID Description: Identifying number for a product or service Dot Foods: <i>Customer's Item Number</i>	C	AN	1/48	Used	1				
PO112	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) CodeList Summary (Total Codes: 477, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>VN</td> <td>Vendor's (Seller's) Item Number</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	VN	Vendor's (Seller's) Item Number	C	ID	2/2	Used	1
<u>Code</u>	<u>Name</u>										
VN	Vendor's (Seller's) Item Number										
PO113	234	Product/Service ID Description: Identifying number for a product or service Dot Foods: <i>Dot Item Number</i>	C	AN	1/48	Used	1				

Syntax Rules:

1. C0302 - If PO103 is present, then PO102 is required.
2. C0504 - If PO105 is present, then PO104 is required.
3. P0607 - If either PO106 or PO107 is present, then the other is required.
4. P0809 - If either PO108 or PO109 is present, then the other is required.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
PID01	349	Item Description Type	M	ID	1/1	Must use	1
Description: Code indicating the format of a description							
CodeList Summary (Total Codes: 3, Included: 1)							
		<u>Code</u>		<u>Name</u>			
		F		Free-form			
PID05	352	Description	C	AN	1/80	Used	1
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.

SAC

Service, Promotion, Allowance, or Charge Information

Pos: 130	Max: 1
Detail - Optional	
Loop: SAC	Elements: 8

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>				
SAC01	248	Allowance or Charge Indicator Description: Code which indicates an allowance or charge for the service specified All valid standard codes are used. (Total Codes: 7)	M	ID	1/1	Must use	1				
SAC02	1300	Service, Promotion, Allowance, or Charge Code Description: Code identifying the service, promotion, allowance, or charge All valid standard codes are used. (Total Codes: 1053)	C	ID	4/4	Used	1				
SAC05	610	Amount Description: Monetary amount	O	N2	1/15	Used	1				
SAC08	118	Rate Description: Rate expressed in the standard monetary denomination for the currency specified	O	R	1/9	Used	1				
SAC10	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used	1				
SAC11	380	Quantity Description: Numeric value of quantity	O	R	1/15	Used	1				
SAC12	331	Allowance or Charge Method of Handling Code Description: Code indicating method of handling for an allowance or charge CodeList Summary (Total Codes: 22, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>02</td> <td>Off Invoice</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	02	Off Invoice	O	ID	2/2	Used	1
<u>Code</u>	<u>Name</u>										
02	Off Invoice										
SAC15	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Used	1				

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. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. 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 to further the code in 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.

Pos: 350	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use	1
Description: Code qualifying the Reference Identification							
CodeList Summary (Total Codes: 1503, Included: 1)							
		<u>Code</u>		<u>Name</u>			
		L1		Letters or Notes			
N902	127	Reference Identification	C	AN	1/30	Used	1
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier							
Dot Foods: <i>Customer PO Number</i>							

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.

MSG

Message Text

Pos: 360	Max: 1000
Detail - Optional	
Loop: N9	Elements: 1

User Option (Usage): Used

Purpose: To provide a free-form format that allows the transmission of text information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
MSG01	933	Free-Form Message Text	M	AN	1/264	Must use	1

Description: Free-form message text

Syntax Rules:

1. C0302 - If MSG03 is present, then MSG02 is required.

Semantics:

1. MSG03 is the number of lines to advance before printing.

Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2. If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

CTT

Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 6

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>				
CTT01	354	Number of Line Items Description: Total number of line items in the transaction set	M	NO	1/6	Must use	1				
CTT02	347	Hash Total Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.Example:- .0018 First occurrence of value beinghashed..18 Second occurrence of value beinghashed.1.8 Third occurrence of value beinghashed.18.01 Fourth occurrence of value beinghashed.-----1855 Hash total prior to truncation.855 Hash total after truncation tothree-digit field.	O	R	1/10	Used	1				
CTT03	81	Weight Description: Numeric value of weight	C	R	1/10	Used	1				
CTT04	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CodeList Summary (Total Codes: 794, Included: 1) <table border="1"><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>LB</td><td>Pound</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	LB	Pound	C	ID	2/2	Used	1
<u>Code</u>	<u>Name</u>										
LB	Pound										
CTT05	183	Volume Description: Value of volumetric measure	C	R	1/8	Used	1				
CTT06	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CodeList Summary (Total Codes: 794, Included: 1) <table border="1"><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>CF</td><td>Cubic Feet</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	CF	Cubic Feet	C	ID	2/2	Used	1
<u>Code</u>	<u>Name</u>										
CF	Cubic Feet										

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: 030	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:

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

Comments:

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

User Option (Usage): Must use

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>	<u>Usage</u>	<u>Rep</u>
GE01	97	Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use	1
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use	1

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 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
IEA01	I16	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	NO	1/5	Must use	1
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	NO	9/9	Must use	1

ST*855*40360001~
BAK*06*AD*1180356*20191017****1204496~
DTM*067*20191024~
TD5****M~
N1*ST*COMPANY NAME*9*1234567890123~
N3*STREET RD~
N4*CITY*ST*222220000~
N1*BT*COMPANY NAME*9*9876543210987~
N3*STREET RD~
N4*CITY*ST*111110000~
PO1*1*4*CA*10.00**UK*5555555555555555*PI*19145*VN*444444~
PID*F****DESCRIPTION~
PO1*1*4*CA*20.00**UK*6666666666666666*PI*19146*VN*555555~
PID*F****DESCRIPTION~
CTT*2~
SE*17*40360001~