850 Purchase Order

X12/V4010/850 : 850 Purchase Order

Version: 1.1

Author:	Opentext
Publication:	12/6/2023
Modified:	12/6/2023
Notes:	

Table of Contents

850   Purchase Order

Functional Group=PO

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) 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 the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BEG	Beginning Segment for Purchase Order	M	1			Must use
040	CUR	Currency	O	1			Must use
050	REF	Reference Identification	O	>1			Must use
060	PER	Administrative Communications Contact	O	3			Used
080	FOB	F.O.B. Related Instructions	O	>1			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Must use
150	DTM	Date/Time Reference	O	10			Must use
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
LOOP ID - N9					**1000**		
295	N9	Reference Identification	O	1			Must use
300	MSG	Message Text	O	1000			Must use
LOOP ID - N1					**200**		
310	N1	Name	O	1			Must use
330	N3	Address Information	O	2			Must use
340	N4	Geographic Location	O	>1			Must use
360	PER	Administrative Communications Contact	O	>1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					**100000**	N2/010L	
010	PO1	Baseline Item Data	M	1			Must use
LOOP ID - PID					**1000**		
050	PID	Product/Item Description	O	1			Must use
LOOP ID - SCH					**200**	N2/295L	
295	SCH	Line Item Schedule	O	1			Used
LOOP ID - N9					**1000**		
330	N9	Reference Identification	O	1			Must use
340	MSG	Message Text	O	1000			Must use
LOOP ID - SLN					**1000**		
470	SLN	Subline Item Detail	O	1			Used
515	DTM	Date/Time Reference	O	10			Used
LOOP ID - N9					**>1**		
523	N9	Reference Identification	O	1			Used

525	MSG	Message Text	O	>1		Used

LOOP ID - N1				**10**		
535	N1	Name	O	1		Used
550	N3	Address Information	O	2		Used
560	N4	Geographic Location	O	1		Used
590	PER	Administrative Communications Contact	O	3		Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT					**1**	**N3/010L**	
010	CTT	Transaction Totals	O	1			Must use
020	AMT	Monetary Amount	O	1		N3/020	Must use
030	SE	Transaction Set Trailer	M	1			Must use

Notes:

2/010L   PO102 is required.

2/295L   The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.

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.

3/020   If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

Daikin IDs:

Production: ZZ:7635535330P
Test: ZZ:7635535330T

Change Log:

12/5/2023

- BEG02 - Added KN qualifier
- BEG06 - Removed element
- ITD Segment - Added ITD01 and ITD02 elements
- TD512 - Removed element
- PER at header level - Specified qualifiers to PER01, PER03, PER05 and PER07
- PO103 - The following qualifiers have been updated to reflect their X12 Standard Values:
    - Case - Corrected from CS to CA per standard
    - Square Foot - Corrected from F2 to SF per standard
    - Gallon - Corrected from GL to GA per standard
- PO105 - Added element
- REF Segment at PO1 Loop - Removed segment
- SCH02 - The following qualifiers have been updated to reflect their X12 Standard Values:
    - Case - Corrected from CS to CA per standard
    - Square Foot - Corrected from F2 to SF per standard
    - Gallon - Corrected from GL to GA per standard
- N1 loop at PO1 Loop - Moved from PO1 loop to SLN Loop
- SLN Loop and Segment - Added new Loop and subsegments
    - SLN Segment - Added new Segment
    - DTM Segment - Added New Segment
    - N1 Loop - Added new Loop as well as the N1, N3, N4, and PER segments within it.
    - N9 Loop - Added new loop as well as the N9 and MSG segments within it.

ST   Transaction Set Header

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

User Option (Usage): Must use
Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

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

Description: Code uniquely identifying a Transaction Set
All valid standard codes are used. (Total Codes: 298)

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

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

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BEG   Beginning Segment for Purchase Order

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 Transaction Set and transmit identifying numbers and dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code List Summary (Total Codes: 65, Included: 1)

Code	Name
00	Original

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG02	92	**Purchase Order Type Code**	M	ID	2/2	Must use

Description: Code specifying the type of Purchase Order

Code List Summary (Total Codes: 69, Included: 4)

Code	Name
DS	Dropship
KN	Purchase Order
RL	Release or Delivery Order
SA	Stand-alone Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG03	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser
User Note 1:   Purchase Order numbers will be between 6 and 8 characters and numeric.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG04	328	**Release Number**	O	AN	1/30	Used

Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction
User Note 1: Will be present when BEG02 = RL

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG05	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Semantics:

1. BEG05 is the date assigned by the purchaser to purchase order.

CUR   Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR01	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

Code List Summary (Total Codes: 1312, Included: 1)

Code	Name
BY	Buying Party (Purchaser)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR02	100	**Currency Code**	M	ID	3/3	Must use

Description: Code (Standard ISO) for country in whose currency the charges are specified

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

REF   Reference Identification

<div style="border:1px solid">
Pos: 050   Max: >1
Heading - Optional
Loop: N/A   Elements: 3
</div>

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

Element Summary:

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

Description: Code qualifying the Reference Identification
User Note 1: REF01 = IA is a mandatory Daikin Assigned Vendor Number that must be returned on all subsequent EDI transactions.
User Note 2: REF01 = CO will be present on Drop Ship (BEG02 = DS) orders

Code List Summary (Total Codes: 1503, Included: 2)

Code	Name
CO	Customer Order Number
IA	Internal Vendor Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
User Note 1: Sent when REF01=IA

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF03	352	**Description**	X	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content
User Note 1: Will be sent when REF01=CO and contain the customer order number, as 30 characters in the REF02 is not enough for all customer order numbers

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

Pos: 060	**Max: 3**
Heading - Optional	
Loop: N/A	**Elements: 8**

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

Code List Summary (Total Codes: 230, Included: 1)

Code	Name
BD	Buyer Name or Department

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

Description: Free-form name

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

Description: Code identifying the type of communication number

Code List Summary (Total Codes: 40, Included: 1)

Code	Name
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/80	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

Code List Summary (Total Codes: 40, Included: 1)

Code	Name
EM	Electronic Mail

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER06	364	**Communication Number**	X	AN	1/80	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER07	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

Code List Summary (Total Codes: 40, Included: 1)

Code	Name
FX	Facsimile

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER08	364	**Communication Number**	X	AN	1/80	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.

FOB   F.O.B. Related Instructions

Pos: 080	**Max: >1**
Heading - Optional	
Loop: N/A	**Elements: 5**

User Option (Usage): Used
Purpose: To specify transportation instructions relating to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

Code List Summary (Total Codes: 28, Included: 7)

Code	Name
BP	Paid by Buyer
CC	Collect
DF	Defined by Buyer and Seller
PP	Prepaid (by Seller)
PS	Paid by Seller
PU	Pickup
TP	Third Party Pay

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB02	309	**Location Qualifier**	X	ID	1/2	Used

Description: Code identifying type of location

Code List Summary (Total Codes: 172, Included: 2)

Code	Name
DE	Destination (Shipping)
OR	Origin (Shipping Point)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB03	352	**Description**	O	AN	1/80	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB05	335	**Transportation Terms Code**	X	ID	3/3	Used

Description: Code identifying the trade terms which apply to the shipment transportation responsibility

Code List Summary (Total Codes: 25, Included: 10)

Code	Name
CFR	Cost and Freight
CIF	Cost, Insurance, and Freight
CIP	Carriage and Insurance Paid To
CPT	Carriage Paid To
DDP	Delivered Duty Paid
EXW	Ex Works
FAS	Free Alongside Ship
FCA	Free Carrier
FOB	Free on Board
ZZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB09	352	**Description**	X	AN	1/80	Used

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

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.

    4. C0809 - If FOB08 is present, then FOB09 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

ITD   Terms of Sale/Deferred Terms of Sale

Pos: 130   Max: >1
Heading - Optional
Loop: N/A   Elements: 3

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	**Terms Type Code**	O	ID	2/2	Used

Description: Code identifying type of payment terms
All valid standard codes are used. (Total Codes: 65)

ITD02	333	**Terms Basis Date Code**	O	ID	1/2	Used

Description: Code identifying the beginning of the terms period
All valid standard codes are used. (Total Codes: 17)

ITD12	352	**Description**	O	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.

DTM   Date/Time Reference

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

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

Element Summary:

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

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

Code List Summary (Total Codes: 1112, Included: 1)

Code	Name
ACK	Acknowledgment

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

Description: Date expressed as CCYYMMDD
User Note 1: The latest day by which the 855 is expected

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

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
TD504	91	**Transportation Method/Type Code**	X	ID	1/2	Used

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

Code List Summary (Total Codes: 71, Included: 3)

Code	Name
A	Air
R	Rail
T	Best Way (Shippers Option)

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

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

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.

Loop Reference Identification

<table>
<tr><td>Pos: 295</td><td>Repeat: 1000</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td>Loop: N9</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Must use
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
295	N9	Reference Identification	O	1		Must use
300	MSG	Message Text	O	1000		Must use

N9 Reference Identification

<table>
<tr><td>Pos: 295</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N9</td><td>Elements: 2</td></tr>
</table>

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

Code List Summary (Total Codes: 1503, Included: 1)

Code	Name
L1	Letters or Notes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
User Note 1: GEN: General Note

Syntax Rules:

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

Semantics:

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

MSG   Message Text

Pos: 300	**Max: 1000**
	Heading - Optional
Loop: N9	**Elements: 1**

User Option (Usage): Must use
Purpose: To provide a free-form format that allows the transmission of text information

Element Summary:

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

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.

Loop Name

<div>
Pos: 310   Repeat: 200
Optional
Loop: N1   Elements: N/A
</div>

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
310	N1	Name	O	1		Must use
330	N3	Address Information	O	2		Must use
340	N4	Geographic Location	O	>1		Must use
360	PER	Administrative Communications Contact	O	>1		Used

N1 **Name**

Pos: 310	**Max: 1**
Heading - Optional	
Loop: N1	**Elements: 4**

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

Element Summary:

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

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

Code List Summary (Total Codes: 1312, Included: 4)

Code	Name
BT	Bill-to-Party
SO	Sold To If Different From Bill To
ST	Ship To
VN	Vendor

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

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)

Code List Summary (Total Codes: 215, Included: 1)

Code	Name
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
User Note 1: Will be present when N101 = VN

Will be present for N101 = ST when BEG02 = SA or RL

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: 330	**Max: 2**
Heading - Optional	
Loop: N1	**Elements: 2**

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

Element Summary:

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

N4 Geographic Location

<table>
<tr><td>Pos: 340</td><td>Max: >1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 6</td></tr>
</table>

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Must use

Description: Free-form text for city name

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

Description: Code (Standard State/Province) as defined by appropriate government agency
User Note 1: One of N402 or N406 (N405 =CO) will be present

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

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**	O	ID	2/3	Must use

Description: Code identifying the country

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N405	309	**Location Qualifier**	X	ID	1/2	Used

Description: Code identifying type of location

Code List Summary (Total Codes: 172, Included: 1)

Code	Name
CO	County/Parish and State

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N406	310	**Location Identifier**	O	AN	1/30	Used

Description: Code which identifies a specific location
User Note 1: Will be present when Country is not US

One of N402 or N406 (N405 =CO) will be present

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.

PER   Administrative Communications Contact

Pos: 360	Max: >1
Heading - Optional	
Loop: N1	Elements: 8

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

Code List Summary (Total Codes: 230, Included: 1)

Code	Name
IC	Information Contact

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

Description: Free-form name

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

Description: Code identifying the type of communication number

Code List Summary (Total Codes: 40, Included: 1)

Code	Name
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/80	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

Code List Summary (Total Codes: 40, Included: 1)

Code	Name
EM	Electronic Mail

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER06	364	**Communication Number**	X	AN	1/80	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER07	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

Code List Summary (Total Codes: 40, Included: 1)

Code	Name
FX	Facsimile

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER08	364	**Communication Number**	X	AN	1/80	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.

Loop Baseline Item Data

Pos: 010	**Repeat: 100000**
Mandatory	
Loop: PO1	**Elements: N/A**

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	PO1	Baseline Item Data	M	1		Must use
050		Loop PID	O		1000	Must use
295		Loop SCH	O		200	Used
330		Loop N9	O		1000	Must use
470		Loop SLN	O		1000	Used

PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	**Elements: 17**

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO101	350	**Assigned Identification**	O	AN	1/20	Must use

Description: Alphanumeric characters assigned for differentiation within a transaction set
User Note 1: Return transactions should match line number as sent on the purchase order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO102	330	**Quantity Ordered**	X	R	1/15	Must use

Description: Quantity ordered

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO103	355	**Unit or Basis for Measurement Code**	O	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

Code List Summary (Total Codes: 794, Included: 44)

Code	Name
05	5 Meter
12	12 PCS
18	55 Gallon Drum
30	30 Gallon Drum
5C	5 Gallon Drum
5I	Standard Cubic Foot
B8	Board Foot
CA	Case
CM	Centimeter
CY	Cubic Yard
DA	Days
DH	Miles
DO	Dollars, U.S.
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
GS	Gross
HF	Hundred Feet
HH	Hundred Cubic Feet
HR	Hours
IN	Inch
KG	Kilogram
LB	Pound
LT	Liter
MM	Millimeter
MO	Months
MR	Meter
OP	Two pack
OZ	Ounce - Av
P4	Four-pack
P6	Six pack
P9	Nine pack

		PR	Pair				
		PT	Pint				
		QT	Quart				
		RK	Roll-Metric Measure				
		RL	Roll				
		SF	Square Foot				
		SI	Square Inch				
		SM	Square Meter				
		TN	Net Ton (2,000 LB).				
		UN	Unit				
		YD	Yard				

PO104	212	**Unit Price**	X	R	1/17	Must use

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

PO105	639	**Basis of Unit Price Code**	O	ID	2/2	Used

Description: Code identifying the type of unit price for an item
All valid standard codes are used. (Total Codes: 91)

PO106	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)
User Note 1: Buyer Part Number will not be present for Category buy items, but the description (PID05) should be used

Code List Summary (Total Codes: 477, Included: 1)
Code   **Name**
BP   Buyer's Part Number

PO107	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

PO108	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

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

Code List Summary (Total Codes: 477, Included: 1)
Code   **Name**
VP   Vendor's (Seller's) Part Number

PO109	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

PO110	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

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

Code List Summary (Total Codes: 477, Included: 1)
Code   **Name**
KJ   Material Control Code

PO111	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service
User Note 1: Item Revision

PO112	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

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

Code List Summary (Total Codes: 477, Included: 1)

		Code	**Name**				
		PR	Process Number				
PO113	234	**Product/Service ID**		X	AN	1/48	Used

Description: Identifying number for a product or service
User Note 1: Drawing Number

PO114	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

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

Code List Summary (Total Codes: 477, Included: 1)
Code **Name**
JB Commission Identifier

PO115	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service
User Note 1: Drawing Revision Level

PO116	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

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

Code List Summary (Total Codes: 477, Included: 1)
Code **Name**
MN Model Number

PO117	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

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.

Loop Product/Item Description

<table>
<tr><td>Pos: 050</td><td>Repeat: 1000</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td>Loop: PID</td><td>Elements: N/A</td></tr>
</table>

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
050	PID	Product/Item Description	O	1		Must use

PID   Product/Item Description

<table>
<tr><td>Pos: 050</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: PID</td><td>Elements: 3</td></tr>
</table>

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

Code List 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**	O	ID	2/3	Must use

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

Code List Summary (Total Codes: 217, Included: 1)

Code	Name
08	Product

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	X	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.

Loop Line Item Schedule

User Option (Usage): Used
Purpose: To specify the data for scheduling a specific line-item

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
295	SCH	Line Item Schedule	O	1		Used

SCH   Line Item Schedule

<table>
<tr><td>Pos: 295</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: SCH</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Used
Purpose: To specify the data for scheduling a specific line-item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SCH01	380	**Quantity**	M	R	1/15	Must use

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SCH02	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

Code List Summary (Total Codes: 794, Included: 43)

Code	Name
05	5 Meter
12	12 PCS
18	55 Gallon Drum
30	30 Gallon Drum
5C	5 Gallon Drum
5I	Standard Cubic Foot
B8	Board Foot
CA	Case
CM	Centimeter
CY	Cubic Yard
DA	Days
DH	Miles
DO	Dollars, U.S.
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
GS	Gross
HF	Hundred Feet
HH	Hundred Cubic Feet
HR	Hours
IN	Inch
KG	Kilogram
LB	Pound
LT	Liter
MM	Millimeter
MO	Months
MR	Meter
OP	Two pack
OZ	Ounce - Av
P4	Four-pack
P6	Six pack
P9	Nine pack
PR	Pair
PT	Pint
QT	Quart
RK	30FT Roll

		SF	Square Foot
		SI	Square Inch
		SM	Square Meter
		TN	Net Ton (2,000 LB).
		UN	Unit
		YD	Yard

SCH05	374	**Date/Time Qualifier**	M	ID	3/3	Must use

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

Code List Summary (Total Codes: 1112, Included: 1)

Code	**Name**
002	Delivery Requested

SCH06	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Syntax Rules:

1. C0304 - If SCH03 is present, then SCH04 is required.
2. L080910 - If SCH08 is present, then at least one of SCH09 or SCH10 is required.
3. C0908 - If SCH09 is present, then SCH08 is required.
4. C1008 - If SCH10 is present, then SCH08 is required.

Semantics:

1. SCH12 is the schedule identification.

Comments:

1. SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Loop Reference Identification

<table>
<tr><td>Pos: 330</td><td>Repeat: 1000</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td>Loop: N9</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Must use
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
330	N9	Reference Identification	O	1		Must use
340	MSG	Message Text	O	1000		Must use

N9 Reference Identification

Pos: 330	**Max: 1**
Detail - Optional	
Loop: N9	**Elements: 2**

User Option (Usage): Must use
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

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

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 1)

Code	Name
L1	Letters or Notes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	X	AN	1/30	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
User Note 1: GEN: General Note
GSA: GSA 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.

MSG Message Text

Pos: 340	**Max: 1000**
Detail - Optional	
Loop: N9	**Elements: 1**

User Option (Usage): Must use
Purpose: To provide a free-form format that allows the transmission of text information

Element Summary:

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

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.

Loop Subline Item Detail

<div style="border:1px solid">
Pos: 470   Repeat: 1000
Optional
Loop: SLN   Elements: N/A
</div>

User Option (Usage): Used
Purpose: To specify product subline detail item data

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
470	SLN	Subline Item Detail	O	1		Used
515	DTM	Date/Time Reference	O	10		Used
523		Loop N9	O		>1	Used
535		Loop N1	O		10	Used

SLN   Subline Item Detail

User Option (Usage): Used
Purpose: To specify product subline detail item data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN01	350	**Assigned Identification**	M	AN	1/20	Must use

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN02	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
SLN03	662	**Relationship Code**	M	ID	1/1	Must use

Description: Code indicating the relationship between entities

Code List Summary (Total Codes: 5, Included: 1)

Code	Name
I	Included

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN04	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN05	C001	**Composite Unit of Measure**	X	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
SLN05-01	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

Code List Summary (Total Codes: 794, Included: 43)

Code	Name
05	5 Meter
12	12 PCS
18	55 Gallon Drum
30	30 Gallon Drum
5C	5 Gallon Drum
5I	Standard Cubic Foot
B8	Board
CA	Case
CM	Centimeter
CY	Cubic Yard
DA	Days
DH	Miles
DO	Dollars, U.S.
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
GS	Gross
HF	Hundred Feet
HH	Hundred Cubic Feet

HR	Hours
IN	Inch
KG	Kilogram
LB	Pound
LT	Liter
MM	Millimeter
MO	Months
MR	Meter
OP	Two pack
OZ	Ounce - Av
P4	Four-pack
P6	Six pack
P9	Nine pack
PR	Pair
PT	Pint
QT	Quart
RK	Roll-Metric Measure
SF	Square Foot
SI	Square Inch
SM	Square Meter
TN	Net Ton (2,000 LB).
UN	Unit
YD	Yard

Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. C0706 - If SLN07 is present, then SLN06 is required.
3. C0806 - If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

DTM   **Date/Time Reference**

Pos: 515   Max: 10
Detail - Optional
Loop: SLN   Elements: 2

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

Element Summary:

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

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

Code List Summary (Total Codes: 1112, Included: 2)

Code	Name
069	Promised for Delivery
106	Required By

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Used

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.

Loop Reference Identification

Pos: 523	**Repeat: >1**
Optional	
Loop: N9	**Elements: N/A**

User Option (Usage): Used
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
523	N9	Reference Identification	O	1		Used
525	MSG	Message Text	O	>1		Used

N9 Reference Identification

Pos: 523	**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:

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

Code List Summary (Total Codes: 1503, Included: 1)

Code	Name
L1	Letters or Notes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
User Note 1: GEN: General Note

Syntax Rules:

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

Semantics:

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

MSG Message Text

Pos: 525   **Max: >1**
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:

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

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.

Loop Name

Pos: 535	Repeat: 10
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
535	N1	Name	O	1		Used
550	N3	Address Information	O	2		Used
560	N4	Geographic Location	O	1		Used
590	PER	Administrative Communications Contact	O	3		Used

User Note 1:

If header level N1 loop for Ship To is not present, line level Ship To will be provided

N1 Name

Pos: 535   **Max: 1**
Detail - 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

Code List Summary (Total Codes: 1312, Included: 2)

Code	Name
DA	Delivery Address
ST	Ship To

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

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)

Code List Summary (Total Codes: 215, Included: 1)

Code	Name
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   Address Information

Pos: 550	Max: 2
Detail - 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: 560   Max: 1
Detail - 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	Must use

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	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**	O	ID	2/3	Used

Description: Code identifying the country

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.

PER Administrative Communications Contact

<div>
Pos: 590   Max: 3
Detail - Optional
Loop: N1   Elements: 4
</div>

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

Code List Summary (Total Codes: 230, Included: 1)

Code	Name
DC	Delivery Contact

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

Description: Free-form name

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

Description: Code identifying the type of communication number

Code List Summary (Total Codes: 40, Included: 1)

Code	Name
EM	Electronic Mail

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/80	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.

Loop Transaction Totals

Pos: 010   Repeat: 1
Optional
Loop: CTT   Elements: N/A

User Option (Usage): Must use
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
010	CTT	Transaction Totals	O	1		Must use
020	AMT	Monetary Amount	O	1		Must use

CTT   Transaction Totals

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

User Option (Usage): Must use
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.

AMT **Monetary Amount**

Pos: 020   Max: 1
Summary - Optional
Loop: CTT   Elements: 2

User Option (Usage): Must use
Purpose: To indicate the total monetary amount

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AMT01	522	**Amount Qualifier Code**	M	ID	1/3	Must use

Description: Code to qualify amount

Code List Summary (Total Codes: 1473, Included: 1)

Code	Name
TT	Total Transaction Amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AMT02	782	**Monetary Amount**	M	R	1/18	Must use

Description: Monetary amount

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:

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.

Sample Data

Sample 850 – Standard

```
850 – Standard Order
ISA*00*          *00*          *ZZ*7635535330T   *01*00190293456X      *231116*1559*U*00401*000000046*0*T*:
GS*PO*7635535330T*00190293456X*20231116*1559*38*X*004010
ST*850*0001
BEG*00*SA*1368272**20231031
CUR*BY*USD
REF*IA*100299X
PER*BD*Jane, Mary***EM*Mary.Jane@daikinapplied.com
FOB*CC
ITD***********1% 15, NET 30
DTM*ACK*20231101
TD5****T*UPS
N9*L1*GEN
MSG*Sample 850 Transaction
N1*VN*Your Corporation, INC*92* USCHIC123X
N3*123    FRONT STREET
N4*ANYTOWN*NJ*12345*US
PER*IC****EM*Service@YourComapny.com*FX*2125551212
N1*SO*MCQUAY US OU
N3*13600 INDUSTRIAL PARK BLVD
N4*Minneapolis*MN*55441*US
N1*BT*MCQUAY US OU
N3*P O BOX 1551
N4*Minneapolis*MN*55440*US
N1*ST*FBO NORTH*92*DST0000006
N3*15620 Acorn Trail
N4*Faribault*MN*55021*US
PO1*1*30*EA*7.87****VP*ABC123
PID*F*08***ABC123\tUNC6-BL-3F (UC1BBB2-0ZF003)
SCH*30*EA***002*20231031
SLN*1*1*I*30*EA
DTM*106*20231031
DTM*069*20231031
CTT*1
AMT*TT*236.1
SE*33*0001
GE*1*38
IEA*1*000000046
```

Sample 850 – Release

```
ISA*00*          *00*          *ZZ*7635535330T    *01*00190293456X
*231116*1600*U*00401*000000048*0*T*:
GS*PO*7635535330T*00190293456X *20231116*1600*40*X*004010
ST*850*0001
BEG*00*RL*1337758*2*20231103
CUR*BY*USD
REF*IA*100299X
PER*BD*Jane, Mary***EM*Mary.Jane@daikinapplied.com
FOB*CC
ITD***********1% 15, NET 30
DTM*ACK*20231106
TD5****T
N9*L1*GEN
MSG*Egan VMI PO
N1*VN*Your Corporation,    INC*92*USCHIC123X
N3*123   FRONT STREET
N4*ANYTOWN*NJ*12345*US
PER*IC****EM*Service@YourCompany.com*FX*2125551212
N1*SO*MCQUAY US OU
N3*13600 INDUSTRIAL PARK BLVD
N4*Minneapolis*MN*55441*US
N1*BT*MCQUAY US OU
N3*P O BOX 1551
N4*Minneapolis*MN*55440*US
N1*ST*FBO*92*DST0000005
N3*300 24TH ST. NW
N4*FARIBAULT*MN*55021*US
PO1*1*100*IN*0.002754167**BP*4041811234X***KJ*00*PR*404180842*JB*00
PID*F*08***WIRE-ELEC, #22, YELLOW, AWM-1230, 2/64 INSUL, 600V, 105C
SCH*100*IN***002*20231201
N9*L1*GEN
MSG*THIS IS NEW PART NUMBER.    REPLACES    123456C WIRE:    .095" OD NOM, 1 CONDUCTOR UNSHIELDED, 7 X 30 STRANDS.
RATING:      600V MAX. INSUL: 2/64" THICK    (YELLOW)    THERMOPLASTIC. TEMP RATING: 105C HEAT RESIST, AND 60C MOISTURE
RESISTANCE.
SLN*1*1*I*100*IN
DTM*106*20231201
DTM*069*20231115
PO1*10*125*EA*0.08**BP*910987X123***KJ*00*PR*910327841*JB*00
PID*F*08***TERMINAL,TIN PLATED, VH,22-18 AWG
SCH*25*EA***002*20231201
N9*L1*GEN
MSG*Disconnectable Crimp Style socket phosphor bronze, tin-plated 10 amp, #22 to #18 AWG wire Use with JST brand VH series
connectors/plugs JST #SVH-21T-P1.1
SLN*3*3*I*25*EA
DTM*106*20231201
DTM*069*20231115
PO1*14*135*EA*0.12**BP*9109876D3***KJ*00*PR*910327840*JB*00
PID*F*08***PLUG, CONNECTOR, CRIMP STYLE, 3-CIRCUIT, VH
SCH*10*EA***002*20231201
N9*L1*GEN
MSG*Plug, connector, Crimp Style, Compact, Disconnectable type, with locking device VH series, 3-circuit JST #VHR-3N
SLN*2*2*I*10*EA
DTM*106*20231201
DTM*069*20231115
CTT*3
AMT*TT*3.48
SE*51*0001
GE*1*40
IEA*1*000000048
```

Sample 850 – Drop Shipment

```
ISA*00*              *00*              *ZZ*7635535330T     *01*0108287654        *231031*1740*U*00401*000000002*0*T*:
GS*PO*7635535330T*0108287654*20231031*1740*1*X*004010
ST*850*0001
BEG*00*DS*1367771**20230927
CUR*BY*USD
REF*CO**P14745
REF*IA*1021993
PER*BD*Jane, Mary***EM*mary.jane@daikinapplied.com
FOB*PP*DE*DESTINATION******MCQUAY TAKES OWNERSHIP AT DELIVERY
ITD************NET 30 DAYS
DTM*ACK*20230928
TD5****T
N9*L1*GEN
MSG*Next Day Air (Early AM)
N1*VN*DAIKIN COMFORT TECHNOLOGIES MANUFACTURING LP*92* USCHIC123X
N3*7401 SECURITY WAY
N4*HOUSTON*TX*77040*US
PER*IC*George   Cannon*TE*+1 9725551212
N1*SO*MCQUAY US OU
N3*13600 INDUSTRIAL PARK BLVD
N4*Minneapolis*MN*55441*US
N1*BT*MCQUAY US OU
N3*P O BOX 1551
N4*Minneapolis*MN*55440*US
N1*ST*Global Distributors, INC
N3*123 Any Street
N4*New York*NY*11106*US
PO1*1*1*EA*19.99**BP*18522294X*VP*ABC1852240
PID*F*08***CTRL BRD PRINTED CIRCUIT AY
SCH*1*EA***002*20230929
SLN*1*1*I*1*EA
DTM*106*20230929
DTM*069*20231004
CTT*1
AMT*TT*19.99
SE*34*0001
GE*1*1
IEA*1*000000002
```