



# **860 Purchase Order Change Request - Buyer Initiated**

**X12/V4010/860 : 860 Purchase Order Change Request - Buyer Initiated**

**Version: 1.1**

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# 860

## Purchase Order Change Request - Buyer Initiated

### Functional Group=PC

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

**Heading:**

<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	BCH	Beginning Segment for Purchase Order Change	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	5			Must use
150	DTM	Date/Time Reference	O	10			Used
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
<b>LOOP ID - N9</b>					<b>1000</b>		
285	N9	Reference Identification	O	1			Must use
290	MSG	Message Text	O	1000			Must use
<b>LOOP ID - N1</b>					<b>200</b>		
300	N1	Name	O	1			Must use
320	N3	Address Information	O	2			Must use
330	N4	Geographic Location	O	>1			Must use
350	PER	Administrative Communications Contact	O	>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>
<b>LOOP ID - POC</b>					<b>≥1</b>		
010	POC	Line Item Change	O	1			Used
<b>LOOP ID - PID</b>					<b>1000</b>		
050	PID	Product/Item Description	O	1			Must use
<b>LOOP ID - SCH</b>					<b>200</b>		
295	SCH	Line Item Schedule	O	1			Used
<b>LOOP ID - N9</b>					<b>1000</b>		
320	N9	Reference Identification	O	1			Must use
330	MSG	Message Text	O	1000			Used
<b>LOOP ID - SLN</b>					<b>1000</b>		
460	SLN	Subline Item Detail	O	1			Used
510	DTM	Date/Time Reference	O	10			Used

<u>LOOP ID - N9</u>					<u>≥1</u>
523	N9	Reference Identification	O	1	Used
525	MSG	Message Text	O	>1	Used

  

<u>LOOP ID - N1</u>					<u>10</u>
536	N1	Name	O	1	Used
540	N3	Address Information	O	2	Used
550	N4	Geographic Location	O	1	Used
580	PER	Administrative Communications Contact	O	3	Used

**Summary:**

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
<u>LOOP ID - CTT</u>					<u>1</u>	<u>N3/010L</u>	
010	CTT	Transaction Totals	O	1			Must use
020	AMT	Monetary Amount	O	5			Must use
030	SE	Transaction Set Trailer	M	1			Must use

**Notes:**

3/010L Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

**Daikin IDs:**

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

**Change Log:**

12/5/2023

- . BCH05 - Added element
- . FOB05 - Added additional qualifiers.
- . TD512 - Removed element
- . POC02 - Removed RC Qualifier
- . POC05 - 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
- . REF at POC 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 POC Loop - Moved N1 loop from POC to SLN Loop
- . SLN loop at POC loop - 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
<b>Description:</b> Code uniquely identifying a Transaction Set All valid standard codes are used. (Total Codes: 298)						
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
<b>Description:</b> 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).

# BCH Beginning Segment for Purchase Order Change

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

**User Option (Usage):** Must use

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

## Element Summary:

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

**Description:** Code identifying purpose of transaction set

**Code List Summary** (Total Codes: 65, Included: 3)

Code	Name
01	Cancellation
04	Change
06	Confirmation

BCH02	92	Purchase Order Type Code	M	ID	2/2	Must use
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**Description:** Code specifying the type of Purchase Order

**Code List Summary** (Total Codes: 69, Included: 3)

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

BCH03	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.

BCH04	328	Release Number	O	AN	1/30	Used
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**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

BCH05	327	Change Order Sequence Number	O	AN	1/8	Used
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**Description:** Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set

BCH06	373	Date	M	DT	8/8	Must use
-------	-----	------	---	----	-----	----------

**Description:** Date expressed as CCYYMMDD

## Semantics:

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



# CUR Currency

<b>Pos: 040</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N/A</b>	<b>Elements: 2</b>

**User Option (Usage):** Must use

**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction

## 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>
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)

<u>Code</u>	<u>Name</u>
BY	Buying Party (Purchaser)

CUR02	100	Currency Code	M	ID	3/3	Must use
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**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.

### User Note 1:

Optional when BCH01 = 06

# REF Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Must use  
**Purpose:** To specify identifying 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>
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 (BCH02 = DS) orders

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

<u>Code</u>	<u>Name</u>
CO	Customer Order Number
IA	Internal Vendor Number

REF02	127	Reference Identification	X	AN	1/30	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**User Note 1:** Required when REF01=IA

REF03	352	Description	X	AN	1/80	Used
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**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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
PER01	366	Contact Function Code	M	ID	2/2	Must use				
<p><b>Description:</b> Code identifying the major duty or responsibility of the person or group named</p> <p><b>Code List Summary</b> (Total Codes: 230, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BD</td> <td>Buyer Name or Department</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	BD	Buyer Name or Department
<u>Code</u>	<u>Name</u>									
BD	Buyer Name or Department									
PER02	93	Name	O	AN	1/60	Used				
<p><b>Description:</b> Free-form name</p>										
PER03	365	Communication Number Qualifier	X	ID	2/2	Used				
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>Code List Summary</b> (Total Codes: 40, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>TE</td> <td>Telephone</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	TE	Telephone
<u>Code</u>	<u>Name</u>									
TE	Telephone									
PER04	364	Communication Number	X	AN	1/80	Used				
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>										
PER05	365	Communication Number Qualifier	X	ID	2/2	Used				
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>Code List Summary</b> (Total Codes: 40, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EM</td> <td>Electronic Mail</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	EM	Electronic Mail
<u>Code</u>	<u>Name</u>									
EM	Electronic Mail									
PER06	364	Communication Number	X	AN	1/80	Used				
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>										
PER07	365	Communication Number Qualifier	X	ID	2/2	Used				
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>Code List Summary</b> (Total Codes: 40, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>FX</td> <td>Facsimile</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	FX	Facsimile
<u>Code</u>	<u>Name</u>									
FX	Facsimile									
PER08	364	Communication Number	X	AN	1/80	Used				
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>										

## 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:

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

**Description:** Code identifying payment terms for transportation charges

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

<u>Code</u>	<u>Name</u>
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

FOB02	309	<b>Location Qualifier</b>	X	ID	1/2	Used
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**Description:** Code identifying type of location

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

<u>Code</u>	<u>Name</u>
DE	Destination (Shipping)
OR	Origin (Shipping Point)

FOB03	352	<b>Description</b>	O	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content

FOB05	335	<b>Transportation Terms Code</b>	X	ID	3/3	Used
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**Description:** Code identifying the trade terms which apply to the shipment transportation responsibility

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

<u>Code</u>	<u>Name</u>
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

FOB09	352	<b>Description</b>	X	AN	1/80	Used
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**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: 5
Heading - Optional	
Loop: N/A	Elements: 1

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

### 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>
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.

### User Note 1:

Optional when BCH01 = 06

# DTM Date/Time Reference

Pos: 150	Max: 10
Heading - Optional	
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>
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)

<u>Code</u>	<u>Name</u>
ACK	Acknowledgment

DTM02	373	Date	X	DT	8/8	Must use
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**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 - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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)

<u>Code</u>	<u>Name</u>
A	Air
R	Rail
T	Best Way (Shippers Option)

TD505	387	Routing	X	AN	1/35	Used
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**Description:** Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

TD512	284	Service Level Code	X	ID	2/2	Used
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**Description:** Code indicating the level of transportation service or the billing service offered by the transportation carrier

**Code List Summary** (Total Codes: 66, Included: 2)

<u>Code</u>	<u>Name</u>
CX	Express Service
ON	Overnight

## 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

Pos: 285	Repeat: 1000
Optional	
Loop: N9	Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
285	N9	Reference Identification	O	1		Must use
290	MSG	Message Text	O	1000		Must use

# N9

## Reference Identification

Pos: 285	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

**User Option (Usage):** Must use

**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>
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)

<u>Code</u>	<u>Name</u>
L1	Letters or Notes

N902	127	Reference Identification	X	AN	1/30	Used
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**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

<b>Pos: 290</b>	<b>Max: 1000</b>
<b>Heading - Optional</b>	
<b>Loop: N9</b>	<b>Elements: 1</b>

**User Option (Usage):** Must use

**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>
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

<b>Pos: 300</b>	<b>Repeat: 200</b>
<b>Optional</b>	
<b>Loop: N1</b>	<b>Elements: N/A</b>

**User Option (Usage):** Must use

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
300	N1	Name	O	1		Must use
320	N3	Address Information	O	2		Must use
330	N4	Geographic Location	O	>1		Must use
350	PER	Administrative Communications Contact	O	>1		Used

### User Note 1:

Optional when BCH01 = 06

**N1**

**Name**

<b>Pos: 300</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Must use

**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>
N101	98	<b>Entity Identifier Code</b>	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)

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

N102	93	<b>Name</b>	X	AN	1/60	Must use
------	----	-------------	---	----	------	----------

**Description:** Free-form name

N103	66	<b>Identification Code Qualifier</b>	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)

<u>Code</u>	<u>Name</u>
92	Assigned by Buyer or Buyer's Agent

N104	67	<b>Identification Code</b>	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 BCH02 = 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: 320	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Must use  
**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>
N301	166	<b>Address Information</b> Description: Address information	M	AN	1/55	Must use
N302	166	<b>Address Information</b> Description: Address information	O	AN	1/55	Used

# N4 Geographic Location

<b>Pos: 330</b>	<b>Max: &gt;1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 6</b>

**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>				
N401	19	<b>City Name</b> <b>Description:</b> Free-form text for city name	O	AN	2/30	Must use				
N402	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency <b>User Note 1:</b> One of N402 or N406 (N405 =CO) will be present	O	ID	2/2	Used				
N403	116	<b>Postal Code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Must use				
N404	26	<b>Country Code</b> <b>Description:</b> Code identifying the country	O	ID	2/3	Must use				
N405	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location <b>Code List Summary</b> (Total Codes: 172, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CO</td> <td>County/Parish and State</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CO	County/Parish and State	X	ID	1/2	Used
<u>Code</u>	<u>Name</u>									
CO	County/Parish and State									
N406	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location <b>User Note 1:</b> Will be present when Country is not US One of N402 or N406 (N405 =CO) will be present	O	AN	1/30	Used				

## 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: 350	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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
PER01	366	Contact Function Code	M	ID	2/2	Must use				
<p><b>Description:</b> Code identifying the major duty or responsibility of the person or group named</p> <p><b>Code List Summary</b> (Total Codes: 230, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>IC</td> <td>Information Contact</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	IC	Information Contact
<u>Code</u>	<u>Name</u>									
IC	Information Contact									
PER02	93	Name	O	AN	1/60	Used				
<p><b>Description:</b> Free-form name</p>										
PER03	365	Communication Number Qualifier	X	ID	2/2	Used				
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>Code List Summary</b> (Total Codes: 40, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>TE</td> <td>Telephone</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	TE	Telephone
<u>Code</u>	<u>Name</u>									
TE	Telephone									
PER04	364	Communication Number	X	AN	1/80	Used				
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>										
PER05	365	Communication Number Qualifier	X	ID	2/2	Used				
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>Code List Summary</b> (Total Codes: 40, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EM</td> <td>Electronic Mail</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	EM	Electronic Mail
<u>Code</u>	<u>Name</u>									
EM	Electronic Mail									
PER06	364	Communication Number	X	AN	1/80	Used				
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>										
PER07	365	Communication Number Qualifier	X	ID	2/2	Used				
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>Code List Summary</b> (Total Codes: 40, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>FX</td> <td>Facsimile</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	FX	Facsimile
<u>Code</u>	<u>Name</u>									
FX	Facsimile									
PER08	364	Communication Number	X	AN	1/80	Used				
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>										

## 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 Line Item Change

Pos: 010      Repeat: >1  
 Optional  
 Loop: POC   Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify changes to a line item

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	POC	Line Item Change	O	1		Used
050		Loop PID	O		1000	Must use
295		Loop SCH	O		200	Used
320		Loop N9	O		1000	Used
460		Loop SLN	O		1000	Used

# POC Line Item Change

Pos: 010                      Max: 1  
 Detail - Optional  
 Loop: POC      Elements: 18

**User Option (Usage):** Used  
**Purpose:** To specify changes to a line item

## 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>
POC01	350	<b>Assigned Identification</b>	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 change

POC02	670	<b>Change or Response Type Code</b>	M	ID	2/2	Must use
-------	-----	-------------------------------------	---	----	-----	----------

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

**Code List Summary** (Total Codes: 29, Included: 2)

<u>Code</u>	<u>Name</u>
DI	Delete Item(s)
RZ	Replace All Values

POC03	330	<b>Quantity Ordered</b>	O	R	1/15	Must use
-------	-----	-------------------------	---	---	------	----------

**Description:** Quantity ordered

POC04	671	<b>Quantity Left to Receive</b>	X	R	1/9	Used
-------	-----	---------------------------------	---	---	-----	------

**Description:** Quantity left to receive as qualified by the unit of measure  
**User Note 1:** Ordered Qty (will match POC03)

POC05	C001	<b>Composite Unit of Measure</b>	X	Comp		Used
-------	------	----------------------------------	---	------	--	------

**Description:** To identify a composite unit of measure

(See Figures Appendix for examples of use)

POC05-01	355	<b>Unit or Basis for Measurement Code</b>	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: 44)

<u>Code</u>	<u>Name</u>
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 30 FT Roll
- RL Roll
- SF Square Foot
- SI Square Inch
- SM Square Meter
- TN Net Ton (2,000 LB).
- UN Unit
- YD Yard

POC06 212 **Unit Price** X R 1/17 Used

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

POC08 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)

<u>Code</u>	<u>Name</u>
BP	Buyer's Part Number

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

**Description:** Identifying number for a product or service

POC10 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)

<u>Code</u>	<u>Name</u>
VP	Vendor's (Seller's) Part Number

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

**Description:** Identifying number for a product or service

POC12 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)

<u>Code</u>	<u>Name</u>
KJ	Material Control Code

POC13	234	<b>Product/Service ID</b>	X	AN	1/48	Used
-------	-----	---------------------------	---	----	------	------

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

POC14	235	<b>Product/Service ID Qualifier</b>	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)

<u>Code</u>	<u>Name</u>
PR	Process Number

POC15	234	<b>Product/Service ID</b>	X	AN	1/48	Used
-------	-----	---------------------------	---	----	------	------

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

POC16	235	<b>Product/Service ID Qualifier</b>	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)

<u>Code</u>	<u>Name</u>
JB	Commission Identifier

POC17	234	<b>Product/Service ID</b>	X	AN	1/48	Used
-------	-----	---------------------------	---	----	------	------

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

POC18	235	<b>Product/Service ID Qualifier</b>	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)

<u>Code</u>	<u>Name</u>
MN	Model Number

POC19	234	<b>Product/Service ID</b>	X	AN	1/48	Used
-------	-----	---------------------------	---	----	------	------

**Description:** Identifying number for a product or service

**Syntax Rules:**

1. C030405 - If POC03 is present, then POC04 and POC05 are required.
2. C0706 - If POC07 is present, then POC06 is required.
3. P0809 - If either POC08 or POC09 is present, then the other is required.
4. P1011 - If either POC10 or POC11 is present, then the other is required.
5. P1213 - If either POC12 or POC13 is present, then the other is required.
6. P1415 - If either POC14 or POC15 is present, then the other is required.
7. P1617 - If either POC16 or POC17 is present, then the other is required.
8. P1819 - If either POC18 or POC19 is present, then the other is required.
9. P2021 - If either POC20 or POC21 is present, then the other is required.
10. P2223 - If either POC22 or POC23 is present, then the other is required.
11. P2425 - If either POC24 or POC25 is present, then the other is required.
12. P2627 - If either POC26 or POC27 is present, then the other is required.

**Semantics:**

1. POC01 is the purchase order line item identification.

# Loop Product/Item Description

Pos: 050	Repeat: 1000
Optional	
Loop: PID	Elements: N/A

**User Option (Usage):** Must use

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	PID	Product/Item Description	O	1		Must use

# PID Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	Elements: 3

**User Option (Usage):** Must use

**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>
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)

<u>Code</u>	<u>Name</u>
F	Free-form

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)

<u>Code</u>	<u>Name</u>
08	Product

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

Pos: 295	Repeat: 200
Optional	
Loop: SCH	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify the data for scheduling a specific line-item

## Loop Summary:

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



# SCH Line Item Schedule

Pos: 295                      Max: 1  
 Detail - Optional  
 Loop: SCH                  Elements: 4

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

### 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>
SCH01	380	<b>Quantity</b>	M	R	1/15	Must use

**Description:** Numeric value of quantity  
**User Note 1:** Optional when BCH01 = 06

SCH02	355	<b>Unit or Basis for Measurement Code</b>	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  
**User Note 1:** Optional when BCH01 = 06

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

<u>Code</u>	<u>Name</u>
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



# Loop Reference Identification

Pos: 320	Repeat: 1000
Optional	
Loop: N9	Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
320	N9	Reference Identification	O	1		Must use
330	MSG	Message Text	O	1000		Used

# N9

## Reference Identification

Pos: 320	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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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)

<u>Code</u>	<u>Name</u>
L1	Letters or Notes

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: 330	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>
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

Pos: 460      Repeat: 1000  
 Optional  
 Loop: SLN    Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify product subline detail item data

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
460	SLN	Subline Item Detail	O	1		Used
510	DTM	Date/Time Reference	O	10		Used
523		Loop N9	O		>1	Used
536		Loop N1	O		10	Used

# SLN Subline Item Detail

<b>Pos: 460</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: SLN</b>	<b>Elements: 5</b>

**User Option (Usage):** Used  
**Purpose:** To specify product subline detail 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>
SLN01	350	<b>Assigned Identification</b>	M	AN	1/20	Must use
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set						
SLN02	350	<b>Assigned Identification</b>	O	AN	1/20	Used
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set						
SLN03	662	<b>Relationship Code</b>	M	ID	1/1	Must use
<b>Description:</b> Code indicating the relationship between entities						
<b>Code List Summary</b> (Total Codes: 5, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		I		Included		
SLN04	380	<b>Quantity</b>	X	R	1/15	Used
<b>Description:</b> Numeric value of quantity						
SLN05	C001	<b>Composite Unit of Measure</b>	X	Comp		Used
<b>Description:</b> To identify a composite unit of measure						
(See Figures Appendix for examples of use)						
SLN05-01	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>Code List Summary</b> (Total Codes: 794, Included: 42)						
		<u>Code</u>		<u>Name</u>		
		05		5 Meter		
		12		12 PCS		
		18		55 Gallon Drum		
		30		30 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	30 FT Roll
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: 510	Max: 10
Detail - Optional	
Loop: SLN	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>
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)

<u>Code</u>	<u>Name</u>
069	Promised for Delivery
106	Required By

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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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)

<u>Code</u>	<u>Name</u>
L1	Letters or Notes

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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: 536	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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
536	N1	Name	O	1		Used
540	N3	Address Information	O	2		Used
550	N4	Geographic Location	O	1		Used
580	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

<b>Pos: 536</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**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>
N101	98	<b>Entity Identifier Code</b>	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)

<u>Code</u>	<u>Name</u>
DA	Delivery Address
ST	Ship To

N102	93	<b>Name</b>	X	AN	1/60	Must use
------	----	-------------	---	----	------	----------

**Description:** Free-form name

N103	66	<b>Identification Code Qualifier</b>	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)

<u>Code</u>	<u>Name</u>
92	Assigned by Buyer or Buyer's Agent

N104	67	<b>Identification Code</b>	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: 540                      Max: 2  
 Detail - 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>
N301	166	<b>Address Information</b> Description: Address information	M	AN	1/55	Must use
N302	166	<b>Address Information</b> Description: Address information	O	AN	1/55	Used

# N4 Geographic Location

Pos: 550	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

**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>				
N401	19	<b>City Name</b> <b>Description:</b> Free-form text for city name	O	AN	2/30	Must use				
N402	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used				
N403	116	<b>Postal Code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used				
N404	26	<b>Country Code</b> <b>Description:</b> Code identifying the country	O	ID	2/3	Used				
N405	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location <b>Code List Summary</b> (Total Codes: 172, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>DL</td> <td>Delivery Location</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	DL	Delivery Location	X	ID	1/2	Used
<u>Code</u>	<u>Name</u>									
DL	Delivery Location									
N406	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location	O	AN	1/30	Used				

## 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: 580	Max: 3
Detail - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom administrative communications should be directed

## 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>
PER01	366	<b>Contact Function Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named						
<b>Code List Summary</b> (Total Codes: 230, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		DC		Delivery Contact		
PER02	93	<b>Name</b>	O	AN	1/60	Used
<b>Description:</b> Free-form name						
PER03	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
<b>Description:</b> Code identifying the type of communication number						
<b>Code List Summary</b> (Total Codes: 40, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
PER04	364	<b>Communication Number</b>	X	AN	1/80	Used
<b>Description:</b> 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):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		Must use
020	AMT	Monetary Amount	O	5		Must use

### User Note 1:

Optional when BCH01 = 06

# 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:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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: 5
Summary - Optional	
Loop: CTT	Elements: 2

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

**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>
AMT01	522	<b>Amount Qualifier Code</b>	M	ID	1/3	Must use
		<b>Description:</b> Code to qualify amount				
		<b>Code List Summary</b> (Total Codes: 1473, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		TT		Total Transaction Amount		
AMT02	782	<b>Monetary Amount</b>	M	R	1/18	Must use
		<b>Description:</b> 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	NO	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> 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 860 – Standard

ISA\*00\* \*00\* \*ZZ\*7635535330T \*09\*00190293456X  
 \*231115\*1632\*U\*00401\*000000026\*0\*T\*:  
 GS\*PC\*7635535330T\*00190293456X\*20231115\*1632\*20\*X\*004010  
 ST\*860\*0001  
 BCH\*04\*SA\*1368280\*\*1\*20231101  
 CUR\*BY\*USD  
 REF\*IA\*100299X  
 PER\*BD\*Jane, Mary\*\*\*EM\*Mary.Jane@daikinapplied.com  
 FOB\*CC\*OR\*ORIGIN\*\*\*\*\*MCQUAY TAKES OWNERSHIP WHEN CARRIER ACCEPTS PRODUCT  
 ITD\*\*\*\*\*NET 30 DAYS  
 DTM\*ACK\*20231102  
 TD5\*\*\*\*T\*RUAN  
 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\*DAYTON\*92\*DST0000003  
 N3\*3265 Logistics Lane  
 N4\*DAYTON\*OH\*45377\*US  
 POC\*1\*RZ\*5\*5\*EA\*1.99\*\*BP\*25081994\*VP\*ABC1245  
 PID\*F\*08\*\*\*BLUE TEMPERATURE SWITCHES W/ADJ OVERRIDE  
 SCH\*5\*EA\*\*\*002\*20231101  
 N9\*L1\*GEN  
 MSG\*T, CO2, RH, SP-Adj, Ovr Room Sensor (VAV Box Only)  
 SLN\*1\*1\*1\*5\*EA  
 CTT\*1  
 AMT\*TT\*9.95  
 SE\*31\*0001  
 GE\*1\*20  
 IEA\*1\*000000026

**Sample 860 – Release**

ISA\*00\* \*00\* \*ZZ\*7635535330T \*01\*00190293456X \*231107\*1941\*U\*00401\*000000020\*0\*T\*:  
 GS\*PC\*7635535330T\*00190293456X\*20231107\*1941\*5\*X\*004010  
 ST\*860\*0001  
 BCH\*04\*RL\*1337758\*14\*1\*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\*20231104  
 TD5\*\*\*\*T  
 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  
 POC\*12\*RZ\*22\*22\*EA\*0.6\*\*BP\*20200101XBCN\*\*\*KJ\*00\*PR\*404180275\*JB\*00  
 PID\*F\*08\*\*\*SOCKET, FEMALE CRIMP, SERIES XH, #22-28 AWG, OPEN BARREL  
 SCH\*22\*EA\*\*\*002\*20240112  
 N9\*L1\*GEN  
 MSG\*VENDOR: DIGI-KEY DIGI-KEY P/N: MFG: JST SALES AMERICA MFG P/N: SOCKET, FEMALE CRIMP, SERIES XH, #22-28  
 AWG, TIN PLATED OPEN BARREL INDIVIDUAL PACKAGING (LOOSE) FOR HAND (MANUAL) TERMINATION (SEE 404181223 FOR  
 BULK PACKAGING PART NUMBERS OF THIS TERMINAL) M  
 SLN\*2\*2\*|\*22\*EA  
 CTT\*1  
 AMT\*TT\*2.30  
 SE\*31\*0001  
 GE\*1\*5  
 IEA\*1\*000000020

**Sample 860 – 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\*860\*0001  
 BEG\*00\*DS\*1367771\*1\*20230916  
 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  
 POC\*1\*RZ\*1\*1\*EA\*29.99\*\*BP\*18522294X\*18522294X  
 PID\*F\*08\*\*\*CTRL BRD PRINTED CIRCUIT AY  
 SCH\*1\*EA\*\*\*002\*20230929  
 SLN\*1\*1\*1\*EA  
 DTM\*106\*20230929  
 DTM\*069\*20231004  
 CTT\*1  
 AMT\*TT\*19.99  
 SE\*34\*0001  
 GE\*1\*1  
 IEA\*1\*000000002