

# **HPE RSP Sell Automation EDI Implementation Guide**

**X12/V7050/855 : 855 Purchase Order Acknowledgment**

**Version: 1 Final**

<b>Company:</b>	<b>Hewlett Packard Enterprise</b>
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<b>Trading Partner:</b>	<b>(Confidential   HPE Internal and Authorized Partner Use Only)</b>

# Notes

## INTRODUCTION

This document provides you—a Hewlett Packard Enterprise (HPE) regional partner – information on HPE Electronic Data Interchange (EDI) for HPE - RSP sell automation ( HPE selling raw material to RSP )

The HPE EDI platform supports the ANSI X12 Message Standard, which enables you to send and receive inbound and outbound EDI signals with HPE. Our goal is to simplify and standardize EDI transactions making it easier to do business with HPE.

Please read through the entire document to determine what changes might be needed for your particular situation. If you have questions, please reach out to your Partner Account Operations Manager (PAOM) or EDI specialist.

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# 855 Purchase Order Acknowledgment

## Functional Group=PR

**Purpose:** This X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

### Not Defined:

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

### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
0100	ST	Transaction Set Header	M	1		
0200	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
0400	CUR	Currency	O	1		
0500	REF	Reference Information	O	>1		
0800	FOB	F.O.B. Related Instructions	O	>1		
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
1500	DTM	Date/Time Reference	O	10		

#### LOOP ID - N1

≥1

3000	N1	Party Identification	O	1		
3100	N2	Additional Name Information	O	2		
3150	IN2	Individual Name Structure Components	O	>1		
3200	N3	Party Location	O	2		
3300	N4	Geographic Location	O	1		
3500	PER	Administrative Communications Contact	O	>1		

### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
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#### LOOP ID - PO1

≥1

N2/0100L

0100	PO1	Baseline Item Data	O	1		N2/0100
0400	CTP	Pricing Information	O	>1		

#### LOOP ID - PID

1000

0500	PID	Product/Item Description	O	1		
1000	REF	Reference Information	O	>1		

#### LOOP ID - ACK

104

2700	ACK	Line Item Acknowledgment	O	1		
------	-----	--------------------------	---	---	--	--

#### LOOP ID - QTY

≥1

3000	QTY	Quantity Information	O	1		
------	-----	----------------------	---	---	--	--

#### LOOP ID - N9

1000

3500	N9	Extended Reference Information	O	1		
3600	MTX	Text	O	>1		

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
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**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<b>LOOP ID - CTT</b>					<b>1</b>	<b>N3/0100L</b>
0100	CTT	Transaction Totals	O	1		N3/0100
0300	SE	Transaction Set Trailer	M	1		

**Not Defined:**

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

**Notes:**

- 2/0100L PO102 is required.
- 2/0100 PO102 is required.
- 3/0100L 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.
- 3/0100 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.

# ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

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

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying the type of information in the Authorization Information						
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
<b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)						
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying the type of information in the Security Information						
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
<b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)						
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
<b>Code List Summary</b> (Total Codes: 41, Included: 1)						
<u>Code</u> <u>Name</u>						
14 Duns Plus Suffix						
<b>HPE USAGE:</b>						
14 <----- New HPE Qualifier						
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
<b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element						
<b>HPE USAGE:</b>						
079834910NGEN <-----NEW HPE ID						
<b>Example:</b> ISA*00* *00* *14*079834910NGEN *01*938178965 *191016*0345*^*00705*000000363*0*P*>~						
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use
<b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them						
<b>HPE USAGE:</b>						
<b>Example Partner ISA:</b> 938178965						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		ISA*00* *00* *14*079834910NGEN *01*938178965 *191016*0345*U*00705*000000363*0*P*~				
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use
		<b>Description:</b> Date of the interchange				
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use
		<b>Description:</b> Time of the interchange				
ISA11	I65	<b>Repetition Separator</b>	M		1/1	Must use
		<b>Description:</b> Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator				
ISA12	I11	<b>Interchange Control Version Number Code</b>	M	ID	5/5	Must use
		<b>Description:</b> Code specifying the version number of the interchange control segments				
		<b>Code List Summary</b> (Total Codes: 36, Included: 1)				
		<b>Code</b>	<b>Name</b>			
		00705	Standards Approved for Publication by ASC X12 Procedures Review Board through December 2017			
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				
ISA14	I13	<b>Acknowledgment Requested Code</b>	M	ID	1/1	Must use
		<b>Description:</b> Code indicating sender's request for an interchange acknowledgment				
ISA15	I14	<b>Interchange Usage Indicator Code</b>	M	ID	1/1	Must use
		<b>Description:</b> Code indicating whether data enclosed by this interchange envelope is test, production or information				
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
		<b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

# GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

**Purpose:** To indicate the beginning of a functional group and to provide control information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use

**Description:** Code identifying a group of application related transaction sets

**Code List Summary** (Total Codes: 262, Included: 1)

**Code Name**

PR Purchase Order Acknowledgment (855)

GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
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**Description:** Code identifying party sending transmission; codes agreed to by trading partners

**HPE USAGE:**

079834910NGEN <-----NEW HPE ID

**Example:**

GS\*PR\*079834910NGEN\*938178965\*20191016\*1120\*123\*X\*007050~

GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
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**Description:** Code identifying party receiving transmission; codes agreed to by trading partners

GS04	373	<b>Date</b>	M	DT	8/8	Must use
------	-----	-------------	---	----	-----	----------

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

GS05	337	<b>Time</b>	M	TM	4/8	Must use
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**Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use
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**Description:** Assigned number originated and maintained by the sender

GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
------	-----	--------------------------------	---	----	-----	----------

**Description:** Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
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**Description:** Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

**Code List Summary** (Total Codes: 98, Included: 1)

<b><u>Code</u></b>	<b><u>Name</u></b>
007050	Standards Approved for Publication by ASC X12 Procedures Review Board through December 2017

# ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

**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	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use
		<b>Description:</b> Code identifying a Transaction Set				
		<b>Code List Summary</b> (Total Codes: 321, Included: 1)				
		<b><u>Code</u> <u>Name</u></b>				
		855 Purchase Order Acknowledgment				
ST02	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				
ST03	1705	<b>Implementation Convention Reference</b>	O	AN	1/35	Used
		<b>Description:</b> Reference assigned to identify Implementation Convention				

# BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

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

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

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

**Code List Summary** (Total Codes: 76, Included: 2)

Code	Name
00	Original
04	Change

BAK02	587	Acknowledgment Type Code	M	ID	2/2	Must use
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**Description:** Code specifying the type of acknowledgment

**Code List Summary** (Total Codes: 15, Included: 3)

Code	Name
AC	Acknowledge - With Detail and Change
AD	Acknowledge - With Detail, No Change
RD	Reject with Detail

BAK03	324	Purchase Order Number	M	AN	1/22	Must use
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**Description:** Identifying number for Purchase Order assigned by the orderer/purchaser

**HPE USAGE:**  
Purchase Order Number.

BAK04	373	Date	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

**HPE USAGE:**  
Purchase Order Date.

# CUR Currency

Pos: 0400	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**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	<b>Entity Identifier Code</b>	M	ID	2/3	Must use
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual				
		<b>Code List Summary</b> (Total Codes: 1538, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		SE	Selling Party			
CUR02	100	<b>Currency Code</b>	M	ID	3/3	Must use
		<b>Description:</b> Code specifying the Standard ISO code for country in whose currency the charges are specified				

# REF Reference Information

Pos: 0500	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

**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 identifying the Reference Identification

**Code List Summary** (Total Codes: 1881, Included: 1)

**Code Name**

IL Internal Order Number

**HPE USAGE:**

HPE Sales Order Number

REF02	127	Reference Identification	X	AN	1/80	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

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

# FOB F.O.B. Related Instructions

Pos: 0800	Max: >1
Heading - Optional	
Loop: N/A	Elements: 5

**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 Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying payment terms for transportation charges						
<b>Code List Summary</b> (Total Codes: 31, Included: 1)						
<b>Code Name</b>						
DF Defined by Buyer and Seller						
FOB04	334	<b>Transportation Terms Qualifier Code</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying the source of the transportation terms						
<b>Code List Summary</b> (Total Codes: 3, Included: 1)						
<b>Code Name</b>						
01 Incoterms						
FOB05	335	<b>Transportation Terms Code</b>	X	ID	3/3	Used
<b>Description:</b> Code identifying the trade terms which apply to the shipment transportation responsibility						
<b>HPE USAGE:</b>						
Incoterms Code						
FOB06	309	<b>Location Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code identifying type of location						
<b>Code List Summary</b> (Total Codes: 184, Included: 1)						
<b>Code Name</b>						
ZZ Mutually Defined						
FOB07	352	<b>Description</b>	O	AN	1/80	Used
<b>Description:</b> A free-form description to clarify the related data elements and their content						
<b>HPE USAGE:</b>						
Incoterms Description						

# ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

**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>
ITD01	336	Terms Type Code	O	ID	2/2	Used

**Description:** Code identifying type of payment terms

**Code List Summary** (Total Codes: 77, Included: 1)

**Code Name**

01 Basic

ITD12	352	Description	O	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content

**HPE USAGE:**

Payment Terms

Key for defining payment terms composed of cash discount percentages and payment periods.

# DTM Date/Time Reference

Pos: 1500	Max: 10
Heading - Optional	
Loop: N/A	Elements: 3

**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: 1332, Included: 2)

### Code Name

002 Delivery Requested

#### **HPE USAGE:**

Requested Delivery Date

999 Document Date

#### **HPE USAGE:**

Document Issue date/time

This is a system date generated by Middleware at the time of conversion

DTM02	373	Date	X	DT	8/8	Used
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

DTM03	337	Time	X	TM	4/8	Used
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**Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

# Loop Party Identification

Pos: 3000	Repeat: >1
Optional	
Loop: N1	Elements: N/A

**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>
3000	N1	Party Identification	O	1	
3100	N2	Additional Name Information	O	2	
3150	IN2	Individual Name Structure Components	O	>1	
3200	N3	Party Location	O	2	
3300	N4	Geographic Location	O	1	
3500	PER	Administrative Communications Contact	O	>1	

# N1 Party Identification

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

Loop Path: N1

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: 1538, Included: 4)

### Code Name

BT Bill-to-Party

#### HPE USAGE:

Bill To

Party ID ----->Party ID (Loc ID)

Party to be billed for other than freight. It includes the name and address.

**Example:** N1\*BT\*\*92\*1000833666~

PR Payer

#### HPE USAGE:

Payer

**Example:** N1\*PR\*\*92\*1237652980~

SO Sold To If Different From Bill To

#### HPE USAGE:

Sold To

Company/Organization which is legally requesting a quote or an order. It includes the name and address of the requesting party (legal entity buyer).

ST Ship To

#### HPE USAGE:

Ship To

Customer/Partners will include a ID, Name (Distributor, Reseller or end Customer) and address where the goods and/or service should be delivered.

N102	93	Name	X	AN	1/60	Used
------	----	------	---	----	------	------

**Description:** Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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**Description:** Code specifying the system/method of code structure used for Identification Code (67)

**Code List Summary** (Total Codes: 258, Included: 1)

### Code Name

**Code Name**

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

# N2 Additional Name Information

Pos: 3100	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

Loop Path: N1

Purpose: To specify additional names

## 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>
N201	93	Name	M	AN	1/60	Must use

Description: Free-form name

# IN2 Individual Name Structure Components

Pos: 3150	Max: >1
Heading - Optional	
Loop: N1	Elements: 3

Loop Path: N1

Purpose: To sequence individual name components for maximum specificity

## 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>
IN201	1104	Name Component Qualifier	M	ID	2/2	Must use

**Description:** Code identifying the type of name component

**Code List Summary** (Total Codes: 22, Included: 3)

**Code Name**

02 First Name

05 Last Name

**Description:**

Last Name and Country of Residence

13 Combined Name and Account Number

**HPE USAGE:**

Person ID

IN202	93	Name	M	AN	1/60	Must use
-------	----	------	---	----	------	----------

**Description:** Free-form name

IN203	93	Name	O	AN	1/60	Used
-------	----	------	---	----	------	------

**Description:** Free-form name

**HPE USAGE:**

Country of Residence(COR)

COR in IN203 with 05 qualifier

**HPE USAGE:**

Name Component Qualifier

02 - Use "02" for First Name qualifier in IN201

# N3 Party Location

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

Loop Path: N1

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>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4 Geographic Location

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

Loop Path: N1

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>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the Standard State/Province as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	X	ID	3/15	Used
		<b>Description:</b> Code specifying international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	X	ID	2/3	Used
		<b>Description:</b> Code identifying the country				

# PER Administrative Communications Contact

Pos: 3500	Max: >1
Heading - Optional	
Loop: N1	Elements: 6

Loop Path: N1

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: 241, Included: 4)

### Code Name

BI Bill Inquiry Contact

#### Description:

Service Provider contact for making inquiries about information on the invoice

#### HPE USAGE:

Bill To Party Contact Information

OC Order Contact

#### HPE USAGE:

Sold To Contact Information

RE Receiving Contact

#### HPE USAGE:

Payer Contact Information

SD Shipping Department

#### HPE USAGE:

Ship-To Contact Information

PER02	93	Name	O	AN	1/60	Used
-------	----	------	---	----	------	------

Description: Free-form name

PER03	365	Communication Number Qualifier	X	ID	2/2	Used
-------	-----	--------------------------------	---	----	-----	------

Description: Code identifying the type of communication number

Code List Summary (Total Codes: 51, Included: 1)

### Code Name

TE Telephone

#### HPE USAGE:

Business Telephone address

PER04	364	Communication Number	X	AN	1/2048	Used
-------	-----	----------------------	---	----	--------	------

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

PER05	365	Communication Number Qualifier	X	ID	2/2	Used
-------	-----	--------------------------------	---	----	-----	------

Description: Code identifying the type of communication number

Code List Summary (Total Codes: 51, Included: 1)

**Code Name**

EM Electronic Mail

**HPE USAGE:**

Business Email address

PER06 364 **Communication Number** X AN 1/2048 Used

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

# Loop Baseline Item Data

Pos: 0100	Repeat: >1
Optional	
Loop: PO1	Elements: N/A

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
0100	PO1	Baseline Item Data	O	1	
0400	CTP	Pricing Information	O	>1	
0500		Loop PID	O		1000
1000	REF	Reference Information	O	>1	
2700		Loop ACK	O		104
3000		Loop QTY	O		>1
3500		Loop N9	O		1000

# PO1 Baseline Item Data

Pos: 0100	Max: 1
Detail - Optional	
Loop: PO1	Elements: 7

Loop Path: PO1

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO101	350	Assigned Identification	O	AN	1/20	Used

**Description:** Alphanumeric characters assigned for differentiation within a transaction set

**HPE USAGE:**

Customer line item identifier sent in on the original EDI Purchase Order in PO101.

PO102	380	Quantity	X	R	1/15	Used
-------	-----	----------	---	---	------	------

**Description:** Numeric value of quantity

**HPE USAGE:**

Ordered Quantity

PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
-------	-----	------------------------------------	---	----	-----	------

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**Code List Summary** (Total Codes: 919, Included: 1)

**Code Name**

EA Each

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)

**Code List Summary** (Total Codes: 535, Included: 1)

**Code Name**

BP Buyer's Part Number

**HPE USAGE:**

RSP Part Number

PO107	234	Product/Service ID	X	AN	1/80	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: 535, Included: 1)

**Code Name**

VP Vendor's (Seller's) Part Number

**HPE USAGE:**

HPE Part Number

PO109	234	Product/Service ID	X	AN	1/80	Used
-------	-----	--------------------	---	----	------	------

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
		<b>HPE USAGE:</b>				
		UPC / EAN Code				

**HPE USAGE:**

PO1\*000035\*1\*EA\*\*\*\*\*VP\*H7J33A5\*\*\*\*\*  
 CTP\*\*NET\*120  
 PID\*F\*08\*\*\*HPE 5Y Foundation Care NBD wDMR SVC  
 REF\*BV\*000410  
 ACK\*IA\*1\*EA\*055\*20200930  
 QTY\*40\*1  
 QTY\*63\*1000  
 N9\*1Q\*For any Errors  
 MTX\*ERN\*In case of rejection

# CTP Pricing Information

Pos: 0400	Max: >1
Detail - Optional	
Loop: PO1	Elements: 2

Loop Path: PO1

Purpose: To specify pricing 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>
CTP02	236	Price Identifier Code	X	ID	3/3	Used

**Description:** Code identifying pricing specification

**Code List Summary** (Total Codes: 174, Included: 2)

**Code Name**

NET Net Item Price

**HPE USAGE:**

Net Price per Unit.

SDP Suggested Dealer Net Price

**HPE USAGE:**

NET PRICE (no S&H)

Net pricing without shipping and handling included.

CTP03	212	Unit Price	X	R	1/17	Used
-------	-----	------------	---	---	------	------

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

# Loop Product/Item Description

Pos: 0500	Repeat: 1000
Optional	
Loop: PID	Elements: N/A

**Loop Path:** PO1

**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>
0500	PID	Product/Item Description	O	1	

# PID Product/Item Description

Pos: 0500	Max: 1
Detail - Optional	
Loop: PID	Elements: 3

**Loop Path:** PO1-PID

**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	<b>Item Description Type Code</b>	M	ID	1/1	Must use
<b>Description:</b> Code indicating the format of a description						
<b>Code List Summary</b> (Total Codes: 4, Included: 1)						
<b>Code Name</b>						
F Free-form						
PID02	750	<b>Product/Process Characteristic Code</b>	O	ID	2/3	Used
<b>Description:</b> Code identifying the general class of a product or process characteristic						
<b>Code List Summary</b> (Total Codes: 285, Included: 1)						
<b>Code Name</b>						
08 Product						
<b>HPE USAGE:</b>						
Description for product						
PID05	352	<b>Description</b>	X	AN	1/80	Used
<b>Description:</b> A free-form description to clarify the related data elements and their content						

# REF Reference Information

Pos: 1000	Max: >1
Detail - Optional	
Loop: PO1	Elements: 3

Loop Path: PO1

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 identifying the Reference Identification

**Code List Summary** (Total Codes: 1881, Included: 1)

**Code Name**

BV Purchase Order Line Item Identifier (Buyer)

**HPE USAGE:**

HPE internal Line item identifier.

REF02	127	Reference Identification	X	AN	1/80	Used
-------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF03	352	Description	X	AN	1/80	Used
-------	-----	-------------	---	----	------	------

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

**HPE USAGE:**

# Loop Line Item Acknowledgment

Pos: 2700	Repeat: 104
Optional	
Loop: ACK	Elements: N/A

**Loop Path:** PO1

**Purpose:** To acknowledge the ordered quantities and specify the ready date for 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>
2700	ACK	Line Item Acknowledgment	O	1	

# ACK Line Item Acknowledgment

Pos: 2700	Max: 1
Detail - Optional	
Loop: ACK	Elements: 5

**Loop Path:** PO1-ACK

**Purpose:** To acknowledge the ordered quantities and specify the ready date for 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>
ACK01	668	Line Item Status Code	M	ID	2/2	Must use

**Description:** Code specifying the action taken by the seller on a line item requested by the buyer

**Code List Summary** (Total Codes: 26, Included: 4)

**Code Name**

AC	Item Accepted and Shipped
IA	Item Accepted
IC	Item Accepted - Changes Made
IR	Item Rejected

ACK02	380	Quantity	X	R	1/15	Used
-------	-----	----------	---	---	------	------

**Description:** Numeric value of quantity

**HPE USAGE:**

Shipped Quantity (Confirmed Quantity).

ACK03	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
-------	-----	------------------------------------	---	----	-----	------

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**Code List Summary** (Total Codes: 919, Included: 1)

**Code Name**

EA	Each
----	------

ACK04	374	Date/Time Qualifier	O	ID	3/3	Used
-------	-----	---------------------	---	----	-----	------

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

**Code List Summary** (Total Codes: 1332, Included: 1)

**Code Name**

055	Confirmed
-----	-----------

**HPE USAGE:**

Confirmed Date

The confirmed delivery date at the schedule line.

ACK05	373	Date	X	DT	8/8	Used
-------	-----	------	---	----	-----	------

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

# Loop Quantity Information

Pos: 3000	Repeat: >1
Optional	
Loop: QTY	Elements: N/A

**Loop Path:** PO1

**Purpose:** To specify quantity information

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
3000	QTY	Quantity Information	O	1	

# QTY Quantity Information

Pos: 3000	Max: 1
Detail - Optional	
Loop: QTY	Elements: 2

**Loop Path:** PO1-QTY

**Purpose:** To specify quantity 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>
QTY01	673	Quantity Qualifier	M	ID	2/2	Must use

**Description:** Code specifying the type of quantity

**Code List Summary** (Total Codes: 1145, Included: 2)

### Code Name

40 Remaining Quantity

#### **HPE USAGE:**

Remaining Quantity

This field will be used to track the open quantity (remaining quantity).

Remaining quantity = Total Order quantity minus Total quantity already confirmed

63 On Order Quantity

#### **HPE USAGE:**

Quantity

Quantity ordered

QTY02	380	Quantity	X	R	1/15	Used
-------	-----	----------	---	---	------	------

**Description:** Numeric value of quantity

# Loop Extended Reference Information

Pos: 3500	Repeat: 1000
Optional	
Loop: N9	Elements: N/A

**Loop Path:** PO1

**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>
3500	N9	Extended Reference Information	O	1	
3600	MTX	Text	O	>1	

# N9 Extended Reference Information

Pos: 3500	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

Loop Path: PO1-N9

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 identifying the Reference Identification

**Code List Summary** (Total Codes: 1881, Included: 1)

**Code Name**

1Q Error Identification Code

**Description:**

Qualifies a single number that describes an error found in application-level data

N902	127	Reference Identification	X	AN	1/80	Used
------	-----	--------------------------	---	----	------	------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

# MTX Text

Pos: 3600	Max: >1
Detail - Optional	
Loop: N9	Elements: 3

**Loop Path:** PO1-N9

**Purpose:** To specify textual 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>
MTX01	363	<b>Note Reference Code</b>	O	ID	3/3	Used

**Description:** Code identifying the functional area or purpose for which the note applies

**Code List Summary** (Total Codes: 391, Included: 1)

**Code Name**

ERN Error Notes

**HPE USAGE:**

Error Reason / Description

MTX02	1551	<b>Textual Data</b>	X	AN	1/4096	Used
-------	------	---------------------	---	----	--------	------

**Description:** To transmit large volumes of message text

MTX03	1551	<b>Textual Data</b>	O	AN	1/4096	Used
-------	------	---------------------	---	----	--------	------

**Description:** To transmit large volumes of message text

# Loop Transaction Totals

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

**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>
0100	CTT	Transaction Totals	O	1	

# CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: CTT	Elements: 1

**Loop Path:** CTT

**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

# SE Transaction Set Trailer

Pos: 0300	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	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				

# GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

**Purpose:** To indicate the end of a functional group and to provide control information

## Element Summary:

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

# IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	<b>Number of Included Functional Groups</b>	M	N0	1/5	Must use
<b>Description:</b> A count of the number of functional groups included in an interchange						
IEA02	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
<b>Description:</b> A control number assigned by the interchange sender						

## HPE USAGE:

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