



855 Purchase Order Acknowledgment
Version: 004010

Document Control

Rev	Date	Author	Purpose for Change
1.0	Apr 11, 2007	Z. Belicajevic	Creation of Implementation Guide
1.1	Jun 1, 2007	S. Nagarajan	Updated NCM
1.2	Sep 7, 2007	S. Nagarajan	Modified mandatory fields from used to Must use
1.3	Oct 17, 2007	S. Nagarajan	Modified PO-101 to be min 3 characters Modified N1*ST*04 to be min 4 characters
1.4	Dec 3, 2007	S. Nagarajan	Added user note to explain BAK*05 usage for Depot shipments and ship-direct shipments Added a new example with Depot 855 showing release number in BAK*05. Fixed the two examples so that BAK*04 = PO Date and BAK*05= PSO number Fixed table of contents REF segment to "Must Use" Eliminated N1*ZZ as it is not mapped to anything and is redundant with N1*ST (updated page numbers)
1.5	Aug 22, 2008	S. Nagarajan	Updated Logo Updated CTT to Must Use Updated usage for loops in the TOC and added usage line in summary page for loops
1.6	Aug 18, 2015	Brian Stone	Updated logo, fixed formatting.
1.7	January 25, 2017	R. Heether	Modified examples and comments to accommodate Service Parts NAFTA CSPS Implementation effective January 1, 2018.
1.8	August 1, 2017	R. Heether	Changed Ship-To Code in the N1-ST-04 from 2 characters to 4 characters for Depot shipments. Fixed examples to reflect the change. Modified/corrected sizes of the fields in the N1 segments.
1.9	December 21, 2018	R. Heether	Updated "Field" sizes, usage, and added some comments for clarification. Updated examples.

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855

Purchase Order Acknowledgment

Functional Group=PR

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

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ISA	Interchange Control Header	M	1			Must use
0200	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
0300	CUR	Currency	O	1			Used
0400	REF	Reference Identification	O	>1			Must Use

LOOP ID - N1					200		Must Use
3700	N1	Name (BY – Buying Party)	O	1		Buyer	Must use
LOOP ID - N1					200		Must Use
5300	N1	Name (SU - Supplier)	O	1		Supplier	Must use
LOOP ID - N1					200		Must Use
6900	N1	Name (ST - Ship To)	O	1		Ship To	Must use
7100	N3	Address Information (ST)	O	2			Used
7200	N4	Geographic Location (ST)	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					100000	N2/0100L	Must Use
0200	PO1	Baseline Item Data	O	1		N2/0200	Must use
2800	DTM	Date/Time Reference	O	10			Must use
LOOP ID - ACK					104		Must Use
3500	ACK	Line Item Acknowledgment	O	1			Must use

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT					1	N3/0100L	Must Use
0200	CTT	Transaction Totals	O	1		N3/0200	Must Use
0400	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	GE	Functional Group Trailer	M	1			Must use
0200	IEA	Interchange Control Trailer	M	1			Must use

Notes:

2/0100L PO102 is required.

2/0200 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.

3/0200 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

User Note 1:

Please Note:

You will see some elements listed as "Optional" per ANSI X12 Standard ("Req" column), but are considered "Mandatory" ("Usage" column) per CNH's business rules.

User Note 2:**Example 1: Acknowledgement without changes (DFS/Ship Direct Shipment)**

```
ISA*00*      *00*      *ZZ*TESTSUPPLIER *01*601943181 *180122*1213*U*00401*000000312*0*P*>
GS*PR*TESTSUPPLIER*601943181*20180122*1213*312*X*004010
ST*855*0001
BAK*00*AD*0081081234*20180121*3391234****20180122
REF*ZZ*CSCN
N1*BY*SP NA*92*SN
N1*SU*TEST SUPPLIER*92*CL123
N1*ST*DEALER NAME*92*123456 001
N3*123 45TH STREET
N4*PHOENIX*AZ*85009*US
PO1*00010*72*EA***BP*84258173
DTM*074*20180201
ACK*IA*72*EA*069*20180201
CTT*1
SE*13*0001
GE*1*312
IEA*1*000000312
```

Example 2: Acknowledgement with changes (DFS/Ship Direct Shipment)

```
ISA*00*      *00*      *ZZ*TESTSUPPLIER *01*601943181 *180122*1215*U*00401*000000314*0*P*>
GS*PR*TESTSUPPLIER*601943181*20180123*1215*314*X*004010
ST*855*0002
BAK*05*AC**0081081234*20180121*3391234****20180122
REF*ZZ*CSCN
N1*BY*SP NA*92*SN
N1*SU*TEST SUPPLIER*92*CL123
N1*ST*DEALER NAME*92*123456 001
N3*123 45TH STREET
N4*PHOENIX*AZ*85009*US
PO1*00010*72*EA***BP*84258173
DTM*074*20180201
```

ACK*IC*40*EA*069*20180201
 ACK*IC*32*EA*069*20180215
 CTT*1
 SE*14*0002
 GE*1*314
 IEA*1*000000314

Example 3: Acknowledgement without changes (Depot Shipments)

ISA*00* *00* *ZZ*TESTSUPPLIER *01*601943181 *181009*1215*U*00401*000000314*0*P*>
 GS*PR*TESTSUPPLIER*601943181*20181007*1215*314*X*004010
 ST*855*0002
 BAK*00*AD*3633251234*20181008*3633251234****20181009
 CUR*BY*USD
 REF*ZZ*CSCN
 N1*BY*SP NA*92*SN
 N1*SU*TEST SUPPLIER*92*CL123
 N1*ST*RECEIVING CTR-NORTH AM. PARTS*92*0036
 N3*420 S. ENTERPRISE BOULEVARD
 N4*LEBANON*IN*46052*US
 PO1*00010*1500*EA***BP*86616693
 DTM*074*20181218
 ACK*IA*1500*EA*069*20181218
 CTT*1
 SE*14*0002
 GE*1*314
 IEA*1*000000314

Example 4: Acknowledgement with changes (Depot Shipments)

ISA*00* *00* *ZZ*TESTSUPPLIER *01*601943181 *181009*1215*U*00401*000000314*0*P*>
 GS*PR*TESTSUPPLIER*601943181*20180123*1215*314*X*004010
 ST*855*0002
 BAK*00*AC*3633251234*20181008*3633251234****20181009
 CUR*BY*USD
 REF*ZZ*CSCN
 N1*BY*SP NA*92*SN
 N1*SU*TEST SUPPLIER*92*CL123
 N1*ST*RECEIVING CTR-NORTH AM. PARTS*92*0036
 N3*420 S. ENTERPRISE BOULEVARD
 N4*LEBANON*IN*46052*US
 PO1*00010*1500*EA***BP*86616693
 DTM*074*20181218
 ACK*IC*1500*EA*069*20181221
 CTT*1
 SE*14*0002
 GE*1*314
 IEA*1*000000314

ISA Interchange Control Header

Pos: 0100	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information All valid standard codes are used.	M	ID	2/2	Must use
ISA02	I02	Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information All valid standard codes are used.	M	ID	2/2	Must use
ISA04	I04	Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.	M	ID	2/2	Must use
ISA06	I06	Interchange Sender ID Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use
ISA07	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use
		<u>Code</u>		<u>Name</u>		
		01		Duns (Dun & Bradstreet)		

ISA08	I07	Interchange Receiver ID Description: 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 User Note 1: CNH ISA_08 Production ID: "601943181" CNH ISA_08 Test ID: "601943181TEST"	M	AN	15/15	Must use						
ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6	Must use						
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must use						
ISA11	I10	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.	M	ID	1/1	Must use						
ISA12	I11	Interchange Control Version Number Description: Code specifying the version number of the interchange control segments <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>00401</td><td>Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997</td></tr></table>	<u>Code</u>	<u>Name</u>	00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use		
<u>Code</u>	<u>Name</u>											
00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997											
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use						
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>0</td><td>No Acknowledgment Requested</td></tr></table>	<u>Code</u>	<u>Name</u>	0	No Acknowledgment Requested	M	ID	1/1	Must use		
<u>Code</u>	<u>Name</u>											
0	No Acknowledgment Requested											
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>P</td><td>Production Data</td></tr><tr><td>T</td><td>Test Data</td></tr></table>	<u>Code</u>	<u>Name</u>	P	Production Data	T	Test Data	M	ID	1/1	Must use
<u>Code</u>	<u>Name</u>											
P	Production Data											
T	Test Data											
ISA16	I15	Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use						

GS Functional Group Header

Pos: 0200	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

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	Functional Identifier Code Description: Code identifying a group of application related transaction sets	M	ID	2/2	Must use
		Code Name PR Purchase Order Acknowledgement (855)				
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use
		User Note 1: CNH ISA_08 Production ID: "601943181" CNH ISA_08 Test ID: "601943181TEST"				
GS04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	Time 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)	M	TM	4/8	Must use
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	Responsible Agency Code Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 All valid standard codes are used.	M	ID	1/2	Must use
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use

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

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

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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
		Description: Code uniquely identifying a Transaction Set				
		<u>Code</u>		<u>Name</u>		
		855		Purchase Order Acknowledgment		
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Semantics:

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

BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 0200 Max: 1
 Heading - Mandatory
 Loop: N/A Elements: 6

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BAK01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set	M	ID	2/2	Must use
		Code Name				
		00 Original				
		05 Replace				
BAK02	587	Acknowledgment Type Description: Code specifying the type of acknowledgment	M	ID	2/2	Must use
		Code Name				
		AC Acknowledge - With Detail and Change				
		AD Acknowledge - With Detail, No Change				
BAK03	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	10/10	Must use
		User Note 1: <i>The value of this field should be mapped from the BEG_03 field of the 850 Purchase Order message</i>				
BAK04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use
		User Note 1: <i>Purchase Order date</i>				
BAK05	328	Release Number Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	M	AN	7/10	Must use
		User Note 1: <i>For DFS/Ship Direct (Dealer) Orders: The value in this field (representing the Dealer Sales Order Number) is mapped from the REF_03 (REF segment with REF_01 = "PRT") of the 850 Purchase Order.</i>				
		<i>For Depot Orders: The Release Number (BAK_05 field of this 855 Purchase Acknowledgment) is mapped from the BEG_03 or BEG_04 of the 850 Purchase Order. Both fields contain the same value.</i>				

BAK09	373	Date	O	DT	8/8	Used
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Description: Date expressed as
CCYYMMDD

User Note 1:
The date purchase acknowledgement created

Semantics:

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

User Note 1:

If no changes to the requested delivery date and/or quantity from the original 850 purchase order, Qualifier BAK_02 = "AD" should be used.

If there are changes, Qualifier BAK_02 = "AC" should be used.

EXAMPLE – DFS/SHIP DIRECT:

Without Changes

BAK*00*AD*0081081234*20180121*3391234****20180122

With Changes

BAK*05*AC*0081081234*20180121*3391234****20180122

EXAMPLE – DEPOT:

Without Changes

BAK*00*AD*3633251234*20181008*3633251234****20181009

With Changes

BAK*00*AC*3633251234*20181008*3633251234****20181009

CUR Currency

Pos: 0300	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

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 Description: Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/2	Must use
		Code Name BY Buying Party (Purchaser)				
CUR02	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified User Note 1: <i>This is a three-position alpha code from the ISO-4217 code list.</i> <i>The primary codes used in North America are:</i> CAD Canadian Dollars USD United States Dollars	M	ID	3/3	Must use

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:

CNH Industrial does not currently use this segment. This is available for future use.

REF Reference Identification

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

User Option (Usage): Must use

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	2/2	Must use

Description: Code qualifying the Reference Identification

<u>Code</u>	<u>Name</u>
ZZ	Mutually Defined

REF02	127	Reference Identification	M	AN	4/4	Must use
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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:

CNH Industrial is sending this source value in the header section REF_02 field (with REF_01 = "ZZ") of the 850 message. This value is required to be returned here to allow CNH Industrial to perform the proper routing of the message.

You may hard-code this segment as shown below.

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.

User Note 1:

Example:
*REF*ZZ*CSCN*

Loop N1 (Buying Party)

Pos: 3600	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Must use

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>
3700	N1	Name (BY –Buying Party)	O	1		Must use

N1 Name (BY – Buying Party)

Pos: 3700	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

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	2/2	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		<u>Code</u>		<u>Name</u>		
		BY		Buying Party (Purchaser)		
N102	93	Name	M	AN	1/35	Must use
		Description: Free-form name				
		User Note 1:				
		<i>Plant Name – SP NA</i>				
		<i>This Plant Name is mapped from the N1_02 (with N1_01 = "BY") of the 850 message.</i>				
N103	66	Identification Code Qualifier	M	ID	2/2	Must use
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		<u>Code</u>		<u>Name</u>		
		92		Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code	M	AN	2/2	Must use
		Description: Code identifying a party or other code				
		User Note 1:				
		<i>Plant Code - SN</i>				
		<i>This code is mapped from the N1_04 (with N1_04 = "BY") of the 850 message, and it is required to be returned.</i>				

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.

User Note 1:

Example:

N1*BY*SP NA*92*SN

Loop N1 (Supplier)

Pos: 5200	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Must use

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>
5300	N1	Name (Supplier)	O	1		Must use

N1 Name (Supplier)

Pos: 5300	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

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	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>SU</td><td>Supplier/Manufacturer</td></tr></table>	<u>Code</u>	<u>Name</u>	SU	Supplier/Manufacturer	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>									
SU	Supplier/Manufacturer									
N102	93	Name Description: Free-form name User Note 1: <i>Your Supplier Name</i>	O	AN	1/35	Used				
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>92</td><td>Assigned by Buyer or Buyer's Agent</td></tr></table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer or Buyer's Agent	M	ID	2/2	Must Use
<u>Code</u>	<u>Name</u>									
92	Assigned by Buyer or Buyer's Agent									
N104	67	Identification Code Description: Code identifying a party or other code User Note 1: <i>Your Supplier Code</i> <i>This code is mapped from the N1_04 (with N1_01 = "SU") of the 850 Purchase Order message, and it is required to be returned.</i>	M	AN	5/5	Must Use				

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.

User Note 1:

Example:
*N1*SU*TEST SUPPLIER*92*CL123*

Loop N1 (Ship-To)

Pos: 6800	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Must use

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>
6900	N1	Name (Ship-To)	O	1		Must use
7100	N3	Address Information (Ship-To)	O	2		Used
7200	N4	Geographic Location (Ship-To)	O	1		Used

N1 Name (Ship-To)

Pos: 6900	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

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	Entity Identifier Code	M	ID	2/2	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		<u>Code</u>				
		ST				
		<u>Name</u>				
		Ship To				
N102	93	Name	M	AN	1/35	Must use
		Description: Free-form name				
		User Note 1:				
		<i>Ship-To Name:</i>				
		<i>CNH Industrial Depot or Dealer Name</i>				
N103	66	Identification Code Qualifier	M	ID	2/2	Must use
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		<u>Code</u>				
		92				
		<u>Name</u>				
		Assigned by Buyer or Buyer's Agent				
N104	67	Identification Code	M	AN	4/10	Must use
		Description: Code identifying a party or other code				
		User Note 1:				
		<i>Ship-To Code (Depot or Dealer Code):</i>				
		<i>CNH Service Parts requires the Ship-To Code in this field. The value of this field (10-</i>				
		<i>digit Dealer code or 4-digit Depot code)</i>				
		<i>should be mapped from the N1_04 field with N1_01 = "ST" of the 850 Purchase Order message. See User Note 1 Below</i>				

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.

User Note 1:

Example:

N1*ST*DEALER NAME*92*123456 001

N1*ST**RECEIVING CTR-NORTH AM. PART*92*0036

N3**Address Information (Ship-To)**

Pos: 7100	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

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	Address Information Description: Address information User Note 1: <i>Ship-to Street Address</i>	M	AN	1/30	Must use
N302	166	Address Information Description: Address information User Note 1: <i>Ship-to Street Address continued</i>	O	AN	1/30	Used

User Note 1:*Example:**N3*123 45TH STREET**N3*420 S. ENTERPRISE BOULEVARD*

N4**Geographic Location (Ship-To)**

Pos: 7200	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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	City Name Description: Free-form text for city name User Note 1: <i>Ship-To City</i>	M	AN	2/30	Must Use
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency User Note 1: <i>Ship-To State or Province</i>	M	ID	2/2	Must Use
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States) User Note 1: <i>Ship-To Zip Code</i>	M	ID	5/15	Must Use
N404	26	Country Code Description: Code identifying the country User Note 1: <i>Ship-To Country</i>	M	ID	2/2	Must Use

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.

User Note 1:*Example:*

*N4*PHOENIX*AZ*85009*US*
*N4*LEBANON*IN*46052*US*

Loop PO1

Pos: 0100	Repeat: 100000
Optional	
Loop: PO1 Elements: N/A	

User Option (Usage): Must use

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>	<u>Usage</u>
0200	PO1	Baseline Item Data	O	1		Must use
2800	DTM	Date/Time Reference	O	10		Must use
3400		Loop ACK	O		104	Must use

PO1 Baseline Item Data

Pos: 0200	Max: 1
Detail - Optional	
Loop: PO1	Elements: 13

User Option (Usage): Must use

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 Description: Alphanumeric characters assigned for differentiation within a transaction set User Note 1: <i>Purchase Order Line Number</i> <i>This value is mapped from the PO1_01 of the corresponding 850 Purchase order message</i>	M	AN	5/5	Must use																																																				
PO102	330	Quantity Ordered Description: <i>Quantity ordered</i>	M	R	1/10	Must use																																																				
PO103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2	Must use																																																				
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BF</td><td>Board Feet</td></tr><tr><td>BX</td><td>Box</td></tr><tr><td>CJ</td><td>Cone</td></tr><tr><td>DM</td><td>Decimeter</td></tr><tr><td>DR</td><td>Drum</td></tr><tr><td>EA</td><td>Each</td></tr><tr><td>FT</td><td>Foot</td></tr><tr><td>GA</td><td>Gallon</td></tr><tr><td>GR</td><td>Gram</td></tr><tr><td>HR</td><td>Hours</td></tr><tr><td>JA</td><td>Job</td></tr><tr><td>K6</td><td>Kiloliter</td></tr><tr><td>KG</td><td>Kilogram</td></tr><tr><td>KT</td><td>Kit</td></tr><tr><td>LB</td><td>Pound</td></tr><tr><td>LC</td><td>Linear Centimeter</td></tr><tr><td>LF</td><td>Linear Foot</td></tr><tr><td>LI</td><td>Linear Inch</td></tr><tr><td>LM</td><td>Linear Meter</td></tr><tr><td>LT</td><td>Liter</td></tr><tr><td>LY</td><td>Linear Yard</td></tr><tr><td>ME</td><td>Milligram</td></tr><tr><td>ML</td><td>Milliliter</td></tr><tr><td>MM</td><td>Millimeter</td></tr><tr><td>MR</td><td>Meter</td></tr></table>	<u>Code</u>	<u>Name</u>	BF	Board Feet	BX	Box	CJ	Cone	DM	Decimeter	DR	Drum	EA	Each	FT	Foot	GA	Gallon	GR	Gram	HR	Hours	JA	Job	K6	Kiloliter	KG	Kilogram	KT	Kit	LB	Pound	LC	Linear Centimeter	LF	Linear Foot	LI	Linear Inch	LM	Linear Meter	LT	Liter	LY	Linear Yard	ME	Milligram	ML	Milliliter	MM	Millimeter	MR	Meter				
<u>Code</u>	<u>Name</u>																																																									
BF	Board Feet																																																									
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GA	Gallon																																																									
GR	Gram																																																									
HR	Hours																																																									
JA	Job																																																									
K6	Kiloliter																																																									
KG	Kilogram																																																									
KT	Kit																																																									
LB	Pound																																																									
LC	Linear Centimeter																																																									
LF	Linear Foot																																																									
LI	Linear Inch																																																									
LM	Linear Meter																																																									
LT	Liter																																																									
LY	Linear Yard																																																									
ME	Milligram																																																									
ML	Milliliter																																																									
MM	Millimeter																																																									
MR	Meter																																																									

		OZ	Ounce - Av				
		PC	Piece				
		PL	Pallet/Unit Load				
		PR	Pair				
		QT	Quart				
		RL	Roll				
		SC	Square Centimeter				
		SH	Sheet				
		SM	Square Meter				
		TB	Tube				
		TT	Thousand Linear Meters				
		YD	Yard				
PO104	212	Unit Price		X	R	1/17	Not used
		Description:	Price per unit of product, service, commodity, etc.				
		User Note 1:	<i>CNH does not currently use this element.</i>				
PO105	639	Basis of Unit Price Code		X	ID	2/2	Not used
		Description:	Code identifying the type of unit price for an item				
		User Note 1:	<i>CNH does not currently use this element.</i>				
		Code	Name				
		HP	Price per Hundred				
		PE	Price per Each				
		TP	Price per Thousand				
PO106	235	Product/Service ID Qualifier		M	ID	2/2	Must use
		Description:	Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		Code	Name				
		BP	Buyer's Part Number				
PO107	234	Product/Service ID		M	AN	1/30	Must use
		Description:	Identifying number for a product or service				
		User Note 1:	<i>CNH Industrial's Part Number</i>				
PO108	235	Product/Service ID Qualifier		O	ID	2/2	Used
		Description:	Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		Code	Name				
		DR	Drawing Revision Number				
PO109	234	Product/Service ID		O	AN	1/2	Used
		Description:	Identifying number for a product or service				
		User Note 1:	<i>Drawing Revision</i>				
PO110	235	Product/Service ID Qualifier		O	ID	2/2	Used
		Description:	Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

		<u>Code</u>	<u>Name</u>			
		PD	Part Number Description			
PO111	234	Product/Service ID		O	AN	1/35
		Description: Identifying number for a product or service				
		User Note 1: <i>CNH Industrial's Part Number Description</i>				
PO112	235	Product/Service ID Qualifier		O	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u>	<u>Name</u>			
		VP	Vendor's (Seller's) Part Number			
PO113	234	Product/Service ID		O	AN	1/30
		Description: Identifying number for a product or service				
		User Note 1: <i>Supplier's Part Number</i>				

Syntax Rules:

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

Comments:

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

User Note 1:Example:

PO1*00010*72*EA***BP*84258173

PO1*00010*1500*EA***BP*86616693

DTM Date/Time Reference

Pos: 2800	Max: 10
Detail - Optional	
Loop: PO1	Elements: 3

User Option (Usage): Must use

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						
		<u>Code</u>		<u>Name</u>		
		074		Requested for Delivery (Prior to and Including)		
DTM02	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
DTM03	337	Time	O	TM	4/8	Used
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)						

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.

User Note 1:

Example:

DTM*074*20180201

DTM*074*20181218

Loop ACK

Pos: 3400	Repeat: 104
Optional	
Loop: ACK	Elements: N/A

User Option (Usage): Must use

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>	<u>Usage</u>
3500	ACK	Line Item Acknowledgment	O	1		Must use

ACK Line Item Acknowledgment

Pos: 3500	Max: 1
Detail - Optional	
Loop: ACK	Elements: 5

User Option (Usage): Must use

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				
		<u>Code</u>		<u>Name</u>		
		IA		Item Accepted		
		IC		Item Accepted - Changes Made		
ACK02	380	Quantity	M	R	1/10	Must use
		Description: Numeric value of quantity				
ACK03	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<u>Code</u>		<u>Name</u>		
		BF		Board Feet		
		BX		Box		
		CJ		Cone		
		DM		Decimeter		
		DR		Drum		
		EA		Each		
		FT		Foot		
		GA		Gallon		
		GR		Gram		
		HR		Hours		
		JA		Job		
		K6		Kiloliter		
		KG		Kilogram		
		KT		Kit		
		LB		Pound		
		LC		Linear Centimeter		
		LI		Linear Inch		
		LM		Linear Meter		
		LT		Liter		
		LY		Linear Yard		
		ME		Milligram		
		ML		Milliliter		
		MM		Millimeter		
		MR		Meter		
		OZ		Ounce - Av		
		PC		Piece		
		PL		Pallet/Unit Load		
		PR		Pair		
		QT		Quart		

RL	Roll
SC	Square Centimeter
SH	Sheet
SM	Square Meter
TB	Tube
TT	Thousand Linear Meters
YD	Yard

ACK04	374	Date/Time Qualifier	M	ID	3/3	Must use
Description: Code specifying type of date or time, or both date and time						
		Code		Name		
		069		Promised for Delivery		
ACK05	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						

Syntax Rules:

1. P0203 - If either ACK02 or ACK03 is present, then the other is required.
2. C0405 - If ACK04 is present, then ACK05 is required.
3. P0708 - If either ACK07 or ACK08 is present, then the other is required.
4. P0910 - If either ACK09 or ACK10 is present, then the other is required.
5. P1112 - If either ACK11 or ACK12 is present, then the other is required.
6. P1314 - If either ACK13 or ACK14 is present, then the other is required.
7. P1516 - If either ACK15 or ACK16 is present, then the other is required.
8. P1718 - If either ACK17 or ACK18 is present, then the other is required.
9. P1920 - If either ACK19 or ACK20 is present, then the other is required.
10. P2122 - If either ACK21 or ACK22 is present, then the other is required.
11. P2324 - If either ACK23 or ACK24 is present, then the other is required.
12. P2526 - If either ACK25 or ACK26 is present, then the other is required.
13. P2728 - If either ACK27 or ACK28 is present, then the other is required.
14. C282729 - If ACK28 is present, then ACK27 and ACK29 are required.

Semantics:

1. ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

User Note 1:

ACK segment is mandatory for each PO1 line item.

If no changes to the requested delivery date and quantity from the original 850 purchase order, Qualifier ACK_01 = "IA" should be used.

If there are changes, Qualifier ACK_01 = "IC" should be used.

Examples:

No changes from the original order

ACK*IA*72*EA*069*20180201

ACK*IA*1500*EA*069*20181218

If the delivery date and/or quantity are different than in the original order

ACK*IC*40*EA*069*20180201

ACK*IC*32*EA*069*20180215

ACK*IC*1500*EA*069*20181221

Loop CTT

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

User Option (Usage): Must Use

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>
0200	CTT	Transaction Totals	O	1		Must Use

CTT Transaction Totals

Pos: 0200	Max: 1
Summary - Optional	
Loop: CTT	Elements: 1

User Option (Usage): Must Use

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.

SE Transaction Set Trailer

Pos: 0400	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Comments:

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

GE Functional Group Trailer

Pos: 0100	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

Pos: 0200	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use