



850 Purchase Order

Version: 004010

Document Control

Rev	Date	Author	Purpose for Change
1.0	April 30, 2007	Z. Belicajevic	Creation of Implementation Guide
1.1	July 10, 2008	S. Nagarajan	Updated examples and fixed mandatory fields
2.0	March 31, 2015	S. Nagarajan	Added new REF*PRT for order reason to support PWG Removed Closed Order Example – no longer sent
2.1	January 29, 2017	R. Heether	Modified examples and comments to accommodate Service Parts NAFTA CSPA Implementation effective January 1, 2018.
2.2	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.
2.3	December 21, 2018	R. Heether	Updated “Field” sizes, usage, and added some comments for clarification. Updated examples.
2.4	February 8, 2024	Scott Clemence	Logo Update User Notes Updates
2.5	March 21, 2025	Scott Clemence	Added N1_01 = BT

850**Purchase Order****Functional Group=PO**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

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	ISA	Interchange Control Header	M	1			Must use
0200	GS	Functional Group Header	M	1			Must use

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>
0100	ST	Transaction Set Header	M	1			Must use
0200	BEG	Beginning Segment for Purchase Order	M	1			Must use
0300	CUR	Currency	O	1			Used
0400	REF	Reference Identification	O	>1		ZZ	Must Use
0500	REF	Reference Identification	O	1		PRT	Used
0500	REF	Reference Identification	O	1		CO	Used
0600	PER	Administrative Communications Contact	O	3			Used
2800	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used

<u>LOOP ID - N1</u>				<u>200</u>		
4800	N1	Name (BY – Buying Party)	O	1		Must use
4800	N1	Name (BT – Bill To Party)	O	1		Must Use
4900	N1	Name (SU - Supplier)	O	1		Must use
5000	N1	Name (ST - Ship To)	O	1		Must use
5200	N3	Address Information (ST)	O	2		Must use
5300	N4	Geographic Location (ST)	O	>1		Must use
5500	REF	Reference Identification	O	12		Sh. Instruct. 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>
<u>LOOP ID - PO1</u>					<u>100000</u>	<u>N2/0100L</u>	
0200	PO1	Baseline Item Data	M	1		N2/0200	Must use
3300	DTM	Date/Time Reference	O	10			Must Use
4100	MSG	Message Text	O	>1			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<u>LOOP ID - CTT</u>					<u>1</u>	<u>N3/0100L</u>	
0200	CTT	Transaction Totals	O	1		N3/0200	Must use

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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:

Here is a table showing how some critical data elements which must be returned to CNH Industrial for everything to work properly

Business Data Element	CNH INBOUND 850	OUTBOUND to CNH 856 ASN	OUTBOUND to CNH 810 INVOICE
Plant Code	N104 WHERE N101 = 'BY'	N104 WHERE N101 = 'BY'	N104 WHERE N101 = 'BT'
Shipto Code/Unloading Point	N104 WHERE N101 = 'ST'	N104 WHERE N101 = 'ST'	N104 WHERE N101 = 'ST'
Vendor Code	N104 WHERE N101 = 'SU'	N104 WHERE N101 = 'SF'	N104 WHERE N101 = 'SU'

Here is an explanation of the above table

The CNH_PLANT_CODE (N104 WHERE N101 = 'BY') and CNH_SHIPTO_CODE (N104 WHERE N101 = 'ST') are separate and independent data elements and must be managed in your internal business system as separate and independent data elements. The relationship between CNH_PLANT_CODE and CNH_SHIPTO_CODE is a 1 TO MANY relationship where any given CNH_PLANT_CODE can and do have multiple SHIPTO_CODES and the same SHIPTO_CODE can be used by multiple plant codes. CNH Industrial does not use the N101 = 'BY' in a traditional sense. Traditionally, the N101 = 'BY' represents a purchasing legal entity, but in CNH's case, the N101 = 'BY' represents the CNH_PLANT_CODE. The CNH Industrial 850 document transmits legal entity information in the N1_02 WHERE N1_01 = 'BY'.

For CNH INDUSTRIAL what defines a unique SHIPTO_LOCATION (CUSTOMER_ACCOUNT_LOCATION) is the a combination of the CNH_PLANT_CODE and CNH_SHIPTO_CODE. In most major ERP business systems, what CNH Industrial provides as a CNH_PLANT_CODE functions like a CUSTOMER_SHIPTO_CODE and what CNH Industrial provides as a SHIPTO_CODE functions like a CUSTOMER_UNLOADING_POINT. Think of a customer unloading point as

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a separate dock or warehouse location which supports the CNH_PLANT_CODE. If your internal business system supports the CUSTOMER_UNLOADING_POINT concept, then this is the recommended configuration of your internal business system. If your internal business system does not support the CUSTOMER_UNLOADING_POINT concept, then the recommended configuration of the integration process between your EDI application and your internal business system is that the primary lookup to determine the correct customer account location be on a concatenation of the PLANT_CODE and SHIPTO_CODE separated by a value such as a TILDE, COMMA or UNDERSCORE. In your internal business system, setup your customer account locations as described, EDI does the lookup into your business system looking for this concatenated value to apply the 850 to the correct CUSTOMER_ACCOUNT_LOCATION and then for OUTBOUND documents such as ASN's and INVOICES, do a de-concatenate function and map to the correct N4 VALUE where N101 = 'BY' or N101 = 'ST'

User Note 3:

EXAMPLES FOR CNH INDUSTRIAL SERVICE PARTS NAFTA:

DEPOT ORIGINAL ORDER – This represents the first time you receive the order

```
ISA|00|      |00|      |01|601943181  |ZZ|TESTSUPPLIER  |180118|0225|U|00401|000007038|0|P|>
GS|PO|601943181|TESTSUPPLIER|20180118|0225|155695|X|004010
ST|850|556950001
BEG|00|RL|3633251234|3633251234|20180118
REF|ZZ|CSCN
REF|PRT|ORDER REASON|LP01234567
PER|EX|RA65
TD5||||T
N1|BY|CNH INDUSTRIAL AMERICA, LLC|92|SN
N1|BT|CNH INDUSTRIAL AMERICA LLC|92|G183
N1|SU|TESTSUPPLIER|92|CL123
N1|ST|RMC|92|0036
N3|RECEIVING CTR-NORTH AM. PARTS|420 S ENTERPRISE BOULEVARD
N4|LEBANON|IN|46052|US
PO1|00010|5|EA|||BP|87750270
DTM|010|20180120
MSG|LP01234567
CTT|1
SE|20|556950001
GE|1|155695
IEA|1|000007038
```

DEPOT AMENDED ORDER – Order has been changed from the original

```
ISA|00|      |00|      |01|601943181  |ZZ|TESTSUPPLIER  |180118|0225|U|00401|000007038|0|P|>
GS|PO|601943181|TESTSUPPLIER|20180118|0225|155695|X|004010
ST|850|556950001
BEG|05|RL|3633251234|3633251234|20180118
REF|ZZ|CSCN
REF|PRT|ORDER REASON|LP01234567
PER|EX|RA65
TD5||||T
N1|BY|CNH INDUSTRIAL AMERICA, LLC|92|SN
N1|BT|CNH INDUSTRIAL AMERICA LLC|92|G183
```

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N1|SU|TESTSUPPLIER|92|CL123
 N1|ST|RMC|92|0036
 N3|RECEIVING CTR-NORTH AM. PARTS|420 S ENTERPRISE BOULEVARD
 N4|LEBANON|IN|46052|US
 PO1|00010|5|EA|||BP|87750270|||||||ZZ|ORDER STATUS: AMENDED
 DTM|010|20180120
 MSG|LP01234567
 CTT|1
 SE|20|556950001
 GE|1|155695
 IEA|1|000007038

DEPOT CANCELED ORDER – We no longer need this order

ISA|00| |00| |01|601943181 |ZZ|TESTSUPPLIER |180118|0225|U|00401|000007038|0|P|>
 GS|PO|601943181|TESTSUPPLIER|20180118|0225|155695|X|004010
 ST|850|556950001
 BEG|01|RL|3633251234|3633251234|20180118
 REF|ZZ|CSCN
 REF|PRT|ORDER REASON|LP01234567
 PER|EX|RA65
 TD5|||T

N1|BY|CNH INDUSTRIAL AMERICA, LLC|92|SN

N1|BT|CNH INDUSTRIAL AMERICA LLC|92|G183

N1|SU|TESTSUPPLIER|92|CL123

N1|ST|RMC|92|0036

N3|RECEIVING CTR-NORTH AM. PARTS|420 S ENTERPRISE BOULEVARD

N4|LEBANON|IN|46052|US

PO1|00010|0|EA|||BP|87750270|||||ZZ|ORDER STATUS: URGENT|ZZ|ORDER STATUS: CANCELLED|ZZ|ORDER STATUS: AMENDED

DTM|010|20180120

MSG|LP01234567

CTT|1

SE|20|556950001

GE|1|155695

IEA|1|000007038

DFS/SHIP DIRECT ORIGINAL ORDER Ship To USA

ISA|00| |00| |01|601943181 |ZZ|TESTSUPPLIER |180128|0001|U|00401|000007642|0|P|>
 GS|PO|601943181|TESTSUPPLIER|20180128|0001|156143|X|004010
 ST|850|561430001
 BEG|00|RL|0081081234|0081081234|20180127
 REF|ZZ|CSCN
 REF|PRT|ORDER REASON|LB27970179 DEALER SALES ORDER: 3391234-001
 REF|CO|V077123
 PER|EX|R022
 TD5|||T

N1|BY|CNH INDUSTRIAL AMERICA, LLC|92|SN

N1|BT|CNH INDUSTRIAL AMERICA LLC|92|G183

N1|SU|TEST SUPPLIER|92|CL123

N1|ST| DEALER NAME|92|123456 001

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N3|123 45TH STREET
 N4|PHOENIX|AZ|85009|US
 PO1|00010|1|EA||BP|84258173
 DTM|010|20180201
 MSG|LB27970179 DEALER SALES ORDER: 3391234-001
 PO1|00020|1|EA||BP|AF25491
 DTM|010|20180201
 MSG|LB27972299 DEALER SALES ORDER: 3391234-002
 CTT|1
 SE|21|561430001
 GE|1|156143
 IEA|1|000007642

DFS/SHIP DIRECT ORIGINAL ORDER Ship To CAN

ISA|00| |00| |01|601943181 |ZZ|TESTSUPPLIER |180128|0001|U|00401|000007642|O|P|>
 GS|PO|601943181|TESTSUPPLIER|20180128|0001|156143|X|004010
 ST|850|561430001
 BEG|00|RL|0081081234|0081081234|20180127
 REF|ZZ|CSCN
 REF|PRT|ORDER REASON|LB27970179 DEALER SALES ORDER: 3394321-001
 REF|CO|V077123
 PER|EX|R022
 TD5|||T
 N1|BY|CNH INDUSTRIAL CANADA, LTD|92|SN
 N1|BT|CNH INDUSTRIAL CANADA, LTD |92|G182
 N1|SU|TEST SUPPLIER|92|CL123
 N1|ST| DEALER NAME|92|123456 001
 N3| 35 MARVON RD
 N4|SIMCOE|ON|N3& 4G4|CA
 PO1|00010|1|EA||BP|84258173
 DTM|010|20180201
 MSG|LB27970179 DEALER SALES ORDER: 3391234-001
 PO1|00020|1|EA||BP|AF25491
 DTM|010|20180201
 MSG|LB27972299 DEALER SALES ORDER: 3391234-002
 CTT|1
 SE|21|561430001
 GE|1|156143
 IEA|1|000007642

*EXAMPLES FOR CNH INDUSTRIAL SERVICE PARTS EMEA:*ORIGINAL ORDER – This represent the first time you receive the order

ISA|00| |00| |01|601943181TEST |ZZ|F2504S0
 |080707|1938|U|00401|000000219|O|T|>
 GS|PO|601943181TEST|F2504S0|20080707|1938|219|X|004010
 ST|850|2190001
 BEG|00|RL|0010637616|0010637616|20080707
 REF|ZZ|CSCN
 REF|PRT|ORDER REASON|HB03196250
 PER|EX|JOHANNA WINDELS
 N1|BY|SP EAA|92|SE
 N1|SU|TEST COMPANY AG|92|CK397

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N1|ST|CNH GERMANY - HEIDELBERG|92|DED1
N3|FELIX-WANKEL-STRA E
N4|HEIDELBERG||69126|DE
REF|ZZ|SHIPINS|ALL TERMS AND CONDITIONS ON ORIGINAL BLANKET ORDER APPLY ON THIS RELEASE
REF|ZZ|SHIPINS|WE REQUIRE AN ACKNOWLEDGMENT FOR THE ORDERED ITEMS
REF|ZZ|SHIPINS|CNH PARTNUMBER, BLANKET ORDER AND PO NUMBER MUST BE REFERENCED ON
REF|ZZ|SHIPINS|PACKING AND INVOICE TO ENSURE PAYMENT
PO1|00010|1|EA||BP|4530416||PD|PUMP, HYDRAULIC|VP|R902403403
DTM|010|20090622
MSG|HB03102199
CTT|1
SE|19|2190001
GE|1|219
IEA|1|000000219

AMENDED ORDER – Order has been changed from the original

ISA|00| |00| |01|601943181TEST |ZZ|E5133H0
|080709|1935|U|00401|000000898|0|T|>
GS|PO|601943181TEST|E5133H0|20080709|1935|898|X|004010
ST|850|8980001
BEG|05|RL|0010503433|0010503433|20080709
REF|ZZ|CSCN
REF|PRT|ORDER REASON|HB03196250
PER|EX|JEROME HASSID
N1|BY|SP EAA|92|SE
N1|SU|TEST COMPANY AG|92|BD657
N1|ST|CNH FRANCE ETAMPES|92|FRET
N3|16-18 RUE DES ROCHETTES
N4|MORIGNY CHAMPIGNY E||91150|FR
REF|ZZ|SHIPINS|ALL TERMS AND CONDITIONS ON ORIGINAL BLANKET ORDER APPLY ON THIS RELEASE
REF|ZZ|SHIPINS|WE REQUIRE AN ACKNOWLEDGMENT FOR THE ORDERED ITEMS
REF|ZZ|SHIPINS|CNH PARTNUMBER, BLANKET ORDER AND PO NUMBER MUST BE REFERENCED ON
REF|ZZ|SHIPINS|PACKING AND INVOICE TO ENSURE PAYMENT
PO1|00030|20|EA||BP|E4943302||PD|VALVE|VP|R900936872||||ZZ|ORDER STATUS: AMENDED
DTM|010|20080414
MSG|LP00013374
CTT|1
SE|19|8980001
GE|1|898
IEA|1|000000898

CANCELLED ORDER – We no longer need this order.

ISA|00| |00| |01|601943181TEST |ZZ|F2504S0
|080710|1135|U|00401|000000255|0|T|>
GS|PO|601943181TEST|F2504S0|20080710|1135|255|X|004010
ST|850|2550001
BEG|01|RL|0010636839|0010636839|20080710
REF|ZZ|CSCN
REF|PRT|ORDER REASON|HB03074726
PER|EX|JEROME HASSID
N1|BY|SP EAA|92|SE
N1|SU|TEST COMPANY AG|92|CT311
N1|ST|CNH GERMANY - HEIDELBERG|92|DED1
N3|FELIX-WANKEL-STRA E
N4|HEIDELBERG||69126|DE
REF|ZZ|SHIPINS|ALL TERMS AND CONDITIONS ON ORIGINAL BLANKET ORDER APPLY ON THIS RELEASE

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REF|ZZ|SHIPINS|WE REQUIRE AN ACKNOWLEDGMENT FOR THE ORDERED ITEMS
REF|ZZ|SHIPINS|CNH PARTNUMBER, BLANKET ORDER AND PO NUMBER MUST BE REFERENCED ON
REF|ZZ|SHIPINS|PACKING AND INVOICE TO ENSURE PAYMENT
PO1|00010|3|EA|||BP|2224969|||PD|PUMP, HYDRAULIC|||ZZ|ORDER STATUS: URGENT|ZZ|ORDER
STATUS: CANCELLED|ZZ|ORDER STATUS: AMENDED
DTM|010|20080723
MSG|HB03074726
CTT|1
SE|18|2550001
GE|1|255
IEA|1|000000255

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 <u>Code</u> <u>Name</u> 00 No Authorization Information Present (No Meaningful Information in I02)	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 <u>Code</u> <u>Name</u> 00 No Security Information Present (No Meaningful Information in I04)	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 <u>Code</u> <u>Name</u> 01 Duns (Dun & Bradstreet)	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 User Note 1: Contains CNH's EDI Sender I.D.: "601943181" (Production) "601943181TEST" (Test)	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

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		<u>Code</u>	<u>Name</u>				
		01	Duns (Dun & Bradstreet)				
		02	SCAC (Standard Carrier Alpha Code)				
		12	Phone (Telephone Companies)				
		ZZ	Mutually Defined				
ISA08	I07	Interchange Receiver ID		M	AN	15/15	Must use
		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					
ISA09	I08	Interchange Date		M	DT	6/6	Must use
		Description: Date of the interchange					
ISA10	I09	Interchange Time		M	TM	4/4	Must use
		Description: Time of the interchange					
ISA11	I10	Interchange Control Standards Identifier		M	ID	1/1	Must use
		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.					
ISA12	I11	Interchange Control Version Number		M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments					
		<u>Code</u>	<u>Name</u>				
		00400	Standard Issued as ANSI X12.5-1997				
ISA13	I12	Interchange Control Number		M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender					
ISA14	I13	Acknowledgment Requested		M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)					
		<u>Code</u>	<u>Name</u>				
		0	No Acknowledgment Requested				
ISA15	I14	Usage Indicator		M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information					
		User Note 1:					
		<i>Test Indicator</i>					
		<u>Code</u>	<u>Name</u>				
		P	Production Data				
		T	Test Data				
ISA16	I15	Component Element Separator		M		1/1	Must use
		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					
		User Note 1:					
		<i>The sub-element separator:</i>					
		<i>">"</i>					

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 <u>Code</u> <u>Name</u> PO Purchase Order (850)	M	ID	2/2	Must use
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners User Note 1: <i>Contains CNH Industrial's EDI Sender I.D.: "601943181" (Production) "601943181TEST" (Test)</i>	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
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 <u>Code</u> <u>Name</u> X Accredited Standards Committee X12	M	ID	1/2	Must use
GS08	480	Version / Release / Industry Identifier Code 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-	M	AN	1/12	Must use

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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**Name**

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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 Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Must use
		Code Name 850 Purchase Order				
ST02	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

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).

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BEG Beginning Segment for Purchase Order

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

User Option (Usage): Must use

To indicate the beginning of the Purchase Order 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>
BEG01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set Code Name 00 Original 01 Cancellation 05 Replace 06 Confirmation 18 Reissue	M	ID	2/2	Must use
BEG02	92	Purchase Order Type Code Description: Code specifying the type of Purchase Order Code Name RL Release or Delivery Order	M	ID	2/2	Must use
BEG03	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser User Note 1: <i>The value in this field is the Purchase Order Number.</i>	M	AN	10/10	Must use
BEG04	328	Release Number Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction User Note 1: <i>The number in this field will contain the same value as the number in the BEG_03 field.</i>	M	AN	10/10	Must use
BEG05	373	Date Description: Date expressed as CCYYMMDD User Note 1: <i>Contains the PO Date</i>	M	DT	8/8	Must use
BEG06	367	Contract Number Description: Contract number	O	AN	1/30	Used

Semantics:

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

User Note 1:Example:

BEG|00|RL|3633251234|3633251234|20180118

BEG|05|RL|3633251234|3633251234|20180118

BEG|01|RL|3633251234|3633251234|20180118

General Business

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	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.

REF Reference Identification

Pos: 0500	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 Description: Code qualifying the Reference Identification	M	ID	2/2	Must use
		Code Name				
		ZZ Mutually Defined				
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	4/4	Must use
		User Note 1: <i>The value from this REF_02 (having REF_01 = "ZZ") is required to be returned in REF_02 with REF_01 = "ZZ" (REF in the shipment HL loop) of the 856 message, and REF_02 with REF_01 = "ZZ" (REF at the Header Level) of the 810 message, and REF_02 with REF_01 = "ZZ" (REF at the Header Level) of the 855 message to allow CNH to perform the proper routing of the message (see Example below).</i>				

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

General Business

REF Reference Identification

Pos: 0500	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

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 Description: Code qualifying the Reference Identification	M	ID	3/3	Must use
		Code Name PRT Mutually Defined				
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Must use
		User Note 1: <i>Example:</i> "ORDER REASON"				
REF03	352	Description Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/80	Must use
		User Note 1: <i>For Depot Suppliers - A part-related remark/comment could be sent in this field at this Header Level, and/or in an MSG segment at the Detail (Part Number) Level.</i> <i>For DFS/Ship Direct suppliers -The Dealer Sales Order Number could be sent here at the Header Level, and/or in the MSG segment at the Detail (Part Number) Level.</i>				

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|PRT|ORDER REASON|LP01234567

REF|PRT|ORDER REASON|LB27970179 DEALER SALES ORDER: 3391234-001

General Business

REF Reference Identification

Pos: 0500	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

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 Description: Code qualifying the Reference Identification <u>Code</u> <u>Name</u> CO Customer Order Number	M	ID	2/2	Must use
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User Note 1: <i>For DFS/Ship Direct orders only - The value in this field is the Customer Order Number.</i>	M	AN	1/13	Must use

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|CO|V077123

General Business

PER Administrative Communications Contact

Pos: 0600	Max: 3
Heading - Optional	
Loop: N/A	Elements: 8

User Option (Usage): Used

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 Description: Code identifying the major duty or responsibility of the person or group named	M	ID	2/2	Must use
		Code Name EX Expeditor ZZ Mutually Defined (Applies for Follow up Name information)				
PER02	93	Name Description: Free-form name	M	AN	1/8	Must use
		User Note 1: <i>Example: RA65</i>				
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number	X	ID	2/2	Used
		Code Name TE Telephone				
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/24	Used
		User Note 1: <i>Contains the Telephone Number</i>				
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number	X	ID	2/2	Used
		Code Name FX Facsimile				
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/24	Used
		User Note 1: <i>Contains the Fax Number</i>				
PER07	365	Communication Number Qualifier Description: Code identifying the type of communication number	X	ID	2/2	Used
		Code Name EM Electronic Mail				
PER08	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/40	Used
		User Note 1: <i>Contains the Email address</i>				

General Business

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.

User Note 1:

Example:

PER|EX|RA65

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 2800	Max: 12
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

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 Description: Code specifying the method or type of transportation for the shipment	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		A Air				
		E Expedited Truck				
		S Ocean				
		T Best Way (Shippers Option)				
		AE Air Express				
		SE Sea/Air				
		SR Supplier Truck				

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.

User Note 1:

Example:

TD5|||T~

General Business

Loop N1

Pos: 4700	Repeat: 200
Optional	
Loop: N1	Elements: N/A

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>
4800	N1	Name (BY – Buying Party)	O	1		Must use
4800	N1	Name (BT – Bill To Party)	O	1		Must Use
4900	N1	Name (SU - Supplier)	O	1		Must use
5000	N1	Name (ST - Ship To)	O	1		Must use
5200	N3	Address Information (ST)	O	2		Must use
5300	N4	Geographic Location (ST)	O	>1		Must use
5500	REF	Reference Identification	O	12		Used

General Business

N1 Name (BY – Buying Party)

Pos: 4800	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 Description: Code identifying an organizational entity, a physical location, property or an individual <u>Code</u> <u>Name</u> BY Buying Party (Purchaser)	M	ID	2/2	Must use
N102	93	Name Description: Free-form name User Note 1: <u>Plant name</u> CNH INDUSTRIAL AMERICA, LLC CNH INDUSTRIAL CANADA, LTD CNH Italia Spa	M	AN	1/35	Must Use
N103	66	Identification Code Qualifier 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	M	ID	2/2	Must use
N104	67	Identification Code Description: Code identifying a party or other code User Note 1: <u>CNH Plant code</u> <i>This Plant Code is required to be returned in the N1_04 (N1 Segment with N1_01 = "BT") of the 810, and in the N1_04 (N1 Segment with N1_01 = "BY") of the 855 and the 856.</i> User Note 2: This value does not represent the CNH Purchasing Legal Entity associated with the purchase order document.	M	AN	2/2	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. The Buying Party is governed by the Country the order is Shipped To in the N404.
2. 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.
3. N105 and N106 further define the type of entity in N101.

General Business

User Note 1:

Example :

N1|BY|CNH INDUSTRIAL AMERICA, LLC|92|SN

N1|BY|CNH INDUSTRIAL CANADA, LTD|92|SN

N1|BY|SP ITALIA SPA|92|SE

General Business

N1**Name (BT – Bill To Party)**

Pos: 4800	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 <u>Code</u> <u>Name</u> BT Bill To Party	M	ID	2/2	Must use
N102	93	Name Description: Free-form name User Note 1: Represents the OFFICIAL CNH SOLD TO LEGAL Entity Name User Note 2: CNH INDUSTRIAL AMERICA, LLC CNH INDUSTRIAL CANADA, LTD CNH ITALIA SPA	M	AN	1/35	Must Use
N103	66	Identification Code Qualifier 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	M	ID	2/2	Must use
N104	67	Identification Code Description: Code identifying a party or other code User Note 1: <u>CNH SAP Company Code</u> <i>Value Is not required to be returned on any CNH EDI documents</i>	M	AN	2/2	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. The Buying Party is governed by the Country the order is Shipped To in the N404.
2. 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.
3. N105 and N106 further define the type of entity in N101.

General Business

User Note 1:

Example :

N1|BT|CNH INDUSTRIAL AMERICA, LLC|92|G183

N1|BT|CNH INDUSTRIAL CANADA, LTD|92|G182

N1|BT|CNH INDUSTRIAL BRASIL, LTD|92|G358

N1|BT|CNHI ITALIA S.P.A.|92|G018

N1|BT|CNHI AUSTRALIA PTY LTD|92|G146

General Business

N1 Name (Supplier)

Pos: 4900	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 Code Name SU Supplier/Manufacturer	M	ID	2/2	Must use
N102	93	Name Description: Free-form name User Note 1: <i>Supplier Name</i>	M	AN	1/35	Must use
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) Code Name 92 Assigned by Buyer or Buyer's Agent	M	ID	2/2	Must use
N104	67	Identification Code Description: Code identifying a party or other code User Note 1: <i>Supplier Code</i> <i>This Supplier Code is required to be returned in the N1_04 with N1_01 = "SF" of the 856, and in the N1_04 with N1_01 = "SU" of the 810 and the 855.</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|TESTSUPPLIER|92|CL123

General Business

N1**Name (Ship-To)**

Pos: 5000	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	M	ID	2/2	Must use
		Code Name ST Ship To				
N102	93	Name Description: Free-form name User Note 1: <i>Ship-To Name:</i> <i>CNH Industrial Depot or Dealer Name</i>	M	AN	1/35	Must Use
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67)	M	ID	2/2	Must use
		Code Name 92 Assigned by Buyer or Buyer's Agent				
N104	67	Identification Code Description: Code identifying a party or other code User Note 1: <i>Ship-To Code (Depot or Dealer Code)</i> <i>This Ship-To Code (4-digit Depot code or 10-digit Dealer code) is required to be returned in N1_04 with N1_01 = "ST" of the 856, the 810, and the 855.</i>	M	AN	4/10	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|ST|RMC|92|0036

N1|ST| DEALER NAME|92|123456 001

N1|ST|CNH GERMANY - HEIDELBERG|92|DED1

N3

Address Information (Ship-To)

Pos: 5200	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Must use

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	Address Information Description: Address information User Note 1: Ship-to Street Address	M	AN	1/30	Must use
N302	166	Address Information Description: Address information User Note 1: Ship-to Street Address continued	O	AN	1/30	Used

User Note 1:

Example:
N3|RECEIVING CTR-NORTH AM. PARTS|420 S ENTERPRISE BOULEVARD
N3|123 45TH STREET
N3|FELIX-WANKEL-STRA E

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

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

User Option (Usage): Must use

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|LEBANON|IN|46052|US

N4|PHOENIX|AZ|85009|US

N4|HEIDELBERG||69126|DE

REF Reference Identification

Pos: 5500	Max: 12
Heading - Optional	
Loop: N1	Elements: 3

User Option (Usage): Used

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 Description: Code qualifying the Reference Identification	M	ID	2/2	Must use
		Code Name ZZ Mutually Defined				
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	7/7	Must use
		User Note 1: "SHIPINS"				
REF03	352	Description Description: A free-form description to clarify the related data elements and their content	M	AN	1/80	Must use
		User Note 1: Contains Shipping Instructions				

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|SHIPINS|ALL TERMS AND CONDITIONS ON ORIGINAL BLANKET ORDER APPLY ON THIS RELEASE~
REF|ZZ|SHIPINS|WE REQUIRE AN ACKNOWLEDGMENT FOR THE ORDERED ITEMS~
REF|ZZ|SHIPINS|CNH PARTNUMBER, BLANKET ORDER AND PO NUMBER MUST BE REFERENCED ON~
REF|ZZ|SHIPINS|PACKING AND INVOICE TO ENSURE PAYMENT~
```


General Business

Loop PO1

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

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	M	1		Must use
3300	DTM	Date/Time Reference	O	10		Must use
4100	MSG	Message Text	O	>1		Used

General Business

PO1 Baseline Item Data

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

User Option (Usage): Must use

To specify basic and most frequently used line item data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage																																																												
PO101	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set User Note 1: <i>Purchase Order Line Number</i>	M	AN	5/5	Must use																																																												
PO102	330	Quantity Ordered Description: Quantity ordered	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><thead><tr><th>Code</th><th>Name</th></tr></thead><tbody><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>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>OZ</td><td>Ounce - Av</td></tr><tr><td>PC</td><td>Piece</td></tr><tr><td>PL</td><td>Pallet/Unit Load</td></tr><tr><td>PR</td><td>Pair</td></tr><tr><td>QT</td><td>Quart</td></tr><tr><td>RL</td><td>Roll</td></tr><tr><td>SC</td><td>Square Centimeter</td></tr></tbody></table>	Code	Name	BF	Board Feet	BX	Box	CJ	Cone	DM	Decimeter	DR	Drum	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	OZ	Ounce - Av	PC	Piece	PL	Pallet/Unit Load	PR	Pair	QT	Quart	RL	Roll	SC	Square Centimeter				
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General Business

		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:					
		CNH Industrial does not provide pricing in this document. Please refer to your blanket PO for pricing information					
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:					
		CNH Industrial does not provide pricing in this document. Please refer to your blanket PO for pricing information					
		Code	Name				
		TC	Contract Price per Hundred				
		TE	Contract Price per Each				
		TM	Contract 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:					
		CNH Industrial's Part Number					
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:					
		Drawing Revision					
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)					
		Code	Name				
		PD	Part Number Description				
PO111	234	Product/Service ID		O	AN	1/35	Used
		Description: Identifying number for a product or service					
		User Note 1:					
		CNH Industrial's Part Number Description					
PO112	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)					

General Business

		<u>Code</u>	<u>Name</u>				
		VP	Vendor's (Seller's) Part Number				
PO113	234	Product/Service ID		O	AN	1/30	Used
		Description: Identifying number for a product or service					
		User Note 1: <i>Supplier's Part Number</i>					
PO114	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>				
		ZZ	Mutually Defined				
PO115	234	Product/Service ID		O	AN	1/48	Used
		Description: Identifying number for a product or service					
		User Note 1: <i>"ORDER STATUS: URGENT"</i>					
PO116	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>				
		ZZ	Mutually Defined				
PO117	234	Product/Service ID		O	AN	1/48	Used
		Description: Identifying number for a product or service					
		User Note 1: <i>"ORDER STATUS: CANCELLED"</i>					
PO118	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>				
		ZZ	Mutually Defined				
PO119	234	Product/Service ID		O	AN	1/48	Used
		Description: Identifying number for a product or service					
		User Note 1: <i>"ORDER STATUS: AMENDED"</i>					
PO120	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>				
		ZZ	Mutually Defined				
PO121	234	Product/Service ID		O	AN	1/48	Used
		Description: Identifying number for a product or service					
		User Note 1: <i>"ORDER STATUS: CLOSED"</i>					

General Business

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|5|EA|||BP|87750270

PO1|00010|5|EA|||BP|87750270|||||||ZZ|ORDER STATUS: AMENDED

PO1|00010|5|EA|||BP|87750270|||||ZZ|ORDER STATUS: URGENT|ZZ|ORDER STATUS:
CANCELLED|ZZ|ORDER STATUS: AMENDED

General Business

DTM Date/Time Reference

Pos: 3300	Max: 10
Detail - Optional	
Loop: PO1	Elements: 2

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 Description: Code specifying type of date or time, or both date and time	M	ID	3/3	Must use
		Code Name				
		010 Requested Ship				
		Refers to the date the parts are to be shipped from the suppliers facility (Ship date)				
DTM02	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use

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|010|20180120

MSG Message Text

Pos: 4100	Max: >1
Detail - Optional	
Loop: PO1	Elements: 3

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MSG01	933	Free-Form Message Text Description: Free-form message text User Note 1: <i>For Depot Suppliers - A part-related remark/comment could be sent in this field at this Detail (Part Number) Level, and/or in the REF PRT segment at the Header Level.</i> <i>For Ship Direct suppliers - The Dealer Sales Order Number could be sent in this field at this Detail (Part Number) Level, and/or in the REF PRT segment at the Header Level.</i>	M	AN	1/264	Must use
MSG02	934	Printer Carriage Control Code Description: A field to be used for the control of the line feed of the receiving printer All valid standard codes are used.	X	ID	2/2	Used
MSG03	1470	Number Description: A generic number	O	N0	1/9	Used

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.

User Note 1:

Example:

MSG|LP01234567
 MSG|LB27970179 DEALER SALES ORDER: 3391234-001

Loop CTT

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

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

General Business

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	Number of Line Items	M	N0	1/6	Must use
Description: Total number of line items in the transaction set						

Syntax Rules:

- 1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
- 2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

- 1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

General Business

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.

General Business

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.

General Business

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