



Message Specification

VOLVO DEALER SHIP DIRECT 850 4050

Based on:

850
Purchase Order

X12 004050

Version: 1
Variant: 0
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Author: Volvo Group IT

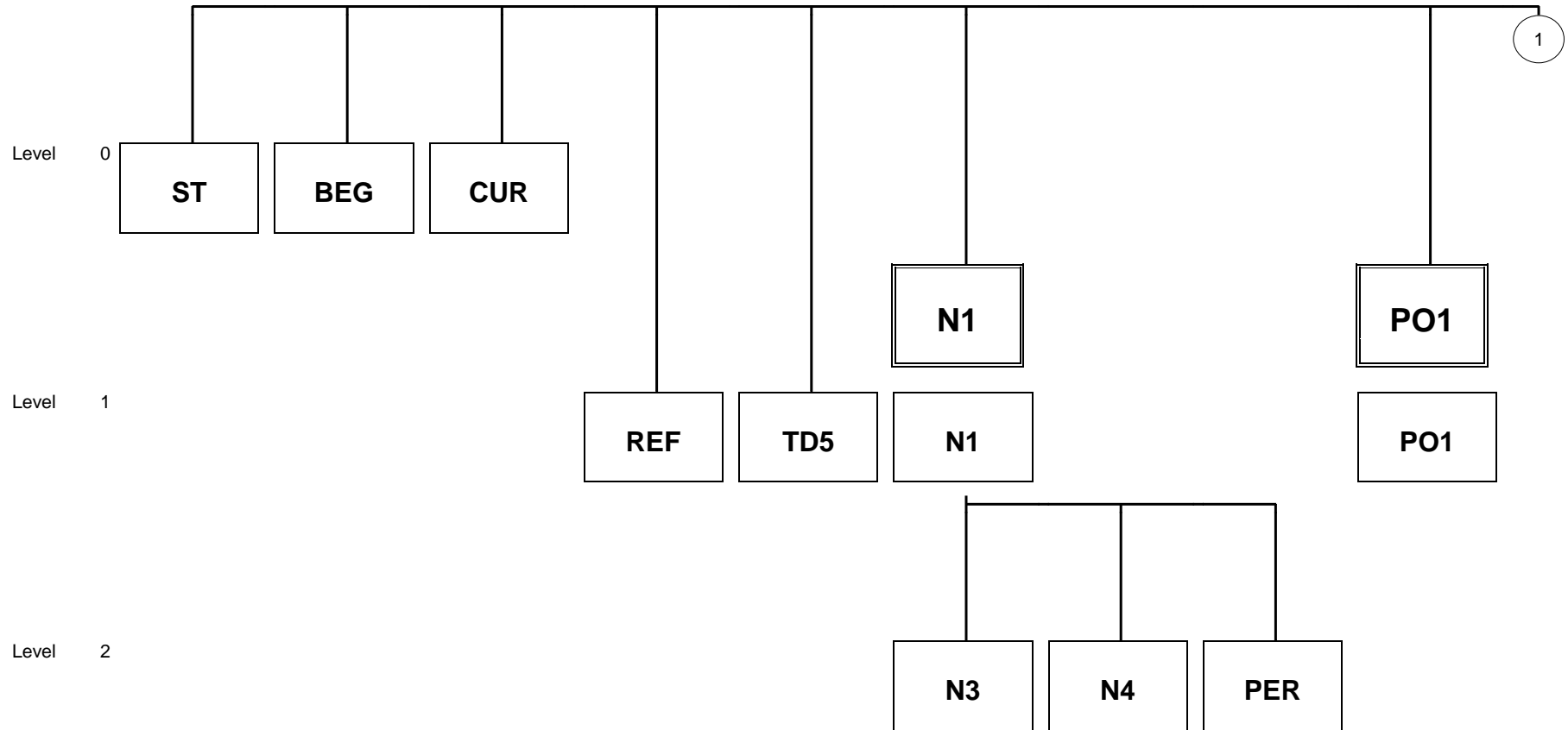
Message Structure

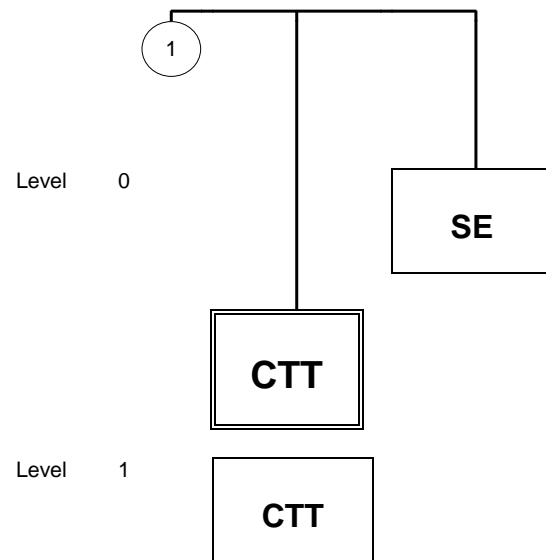
Counter	No	Tag	St	MaxOcc	Level	Content
0100	1	ST	M	1	0	Transaction Set Header
0200	2	BEG	M	1	0	Beginning Segment for Purchase Order
0400	3	CUR	D	1	0	Currency
0500	4	REF	R	1	1	Dealer purchase order number
0500	5	REF	D	1	1	Billing account number
0500	6	REF	R	1	1	Criticality Designator
0500	7	REF	R	1	1	Promotion/Deal Number
2400	8	TD5	R	1	1	Carrier Details (Routing Sequence/Transit Time)
3100		N1	R	1	1	Buyer
3100	9	N1	M	1	1	Party Identification
3300	10	N3	O	1	2	Party Location
3400	11	N4	R	1	2	Geographic Location
3600	12	PER	O	3	2	Administrative Communications Contact
3100		N1	R	1	1	Selling Party
3100	13	N1	M	1	1	Party Identification
3300	14	N3	O	1	2	Party Location
3400	15	N4	R	1	2	Geographic Location
3100		N1	R	1	1	Ship To
3100	16	N1	M	1	1	Party Identification
3300	17	N3	O	1	2	Party Location
3400	18	N4	R	1	2	Geographic Location
0100		PO1	M	999	1	PO1
0100	19	PO1	M	1	1	Baseline Item Data
0100		CTT	O	1	1	CTT
0100	20	CTT	M	1	1	Transaction Totals
0300	21	SE	M	1	0	Transaction Set Trailer

Counter = Counter of segment/group within the standard
 No = Consecutive segment number
 MaxOcc = Maximum occurrence of the segment/group

St = Status
 Standard: M=Mandatory, C=Conditional
 User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used

Branching Diagram of Used Segments/Groups





Segment:

ST

Seq. No.: 1 Level: 0
 Status: M Max. Occ.: 1
 Counter: 0100

Transaction Set Header

Name: Transaction Set Header

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
ST				
143	Transaction Set Identifier Code	M ID 3/3	M ID 3/3	Code uniquely identifying a Transaction Set 850 Purchase Order
329	Transaction Set Control Number	M AN 4/9	M AN 4/9	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Remark:

Example:

ST*850*0001

Segment:

BEG

Seq. No.: 2 Level: 0
 Status: M Max. Occ.: 1
 Counter: 0200

Beginning Segment for Purchase Order

Name: Beginning Segment for Purchase Order

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
BEG				
353	Transaction Set Purpose Code	M ID 2/2	M ID 2/2	00 Original
92	Purchase Order Type Code	M ID 2/2	M ID 2/2	SA Stand-alone Order
324	Purchase Order Number	M AN 1/22	M AN 1/22	Order Number
328	Release Number	O AN 1/30	N	not used
373	Date	M DT 8/8	M DT 8/8	
367	Contract Number	O AN 1/30	N	not used
587	Acknowledgment Type	O ID 2/2	R ID 2/2	AE Acknowledge - With Exception Detail Only AE - an 855 is always expected. If there is any kind of deviation from normal, detail should be provided, as for example: Back order, Price error, Substituted part, etc.

Remark:

Example:

BEG*00*SA*5372D-45962**20160210**AE

Segment: **CUR** Seq. No.: 3 Level: 0 Currency
 Status: D Max. Occ.: 1
 Counter: 0400

Name: **Currency**

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
CUR				
98	Entity Identifier Code	M ID 2/3	M ID 2/2	BY Buying Party (Purchaser)
100	Currency Code	M ID 3/3	M ID 3/3	Order currency ISO 4217 three alpha code

Remark:
 Used according to agreement between concerned parties.

Example:
 CUR*BY*USD

Segment:

REF

Seq. No.: 4 Level: 1
 Status: R Max. Occ.: 1
 Counter: 0500

Reference Information

Name: Dealer purchase order number

UN/EDIFACT		Implementation		
	Name	St Format	St Format	Use / Remarks
REF				
128	Reference Identification Qualifier	M ID 2/3	M ID 2/2	DC Dealer purchase order number
127	Reference Identification	C AN 1/50	R AN 1/50	

Remark:

Example:

REF*DC*OP08058

Segment:

REF

Seq. No.: 5 Level: 1
 Status: D Max. Occ.: 1
 Counter: 0500

Reference Information

Name: **Billing account number**

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
REF				
128	Reference Identification Qualifier	M ID 2/3	M ID 2/2	12 Billing Account
127	Reference Identification	C AN 1/50	R AN 1/50	Billing account number

Remark:

Dealers Fedex or Purolator account number for emergency orders

Example:

REF*12*123456

Segment:

REF

Seq. No.: 6 Level: 1
 Status: R Max. Occ.: 1
 Counter: 0500

Reference Information

Name: **Criticality Designator**

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
REF				
128	Reference Identification Qualifier	M ID 2/3	M ID 2/2	K4 Criticality Designator
127	Reference Identification	C AN 1/50	R AN 1/50	1 If an EMERGENCY order 3 If a STOCK order

Remark:

Example:

REF*K4*1

Segment:

REF

Seq. No.: 7 Level: 1
 Status: R Max. Occ.: 1
 Counter: 0500

Reference Information

Name: Promotion/Deal Number

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
REF				
128	Reference Identification Qualifier	M ID 2/3	M ID 2/2	PD Promotion/Deal Number
127	Reference Identification	C AN 1/50	R AN 1/50	Program number or Promotion number

Remark:

Example:

REF*PD*025

Segment:

TD5

Seq. No.: 8 Level: 1
 Status: R Max. Occ.: 1
 Counter: 2400

Carrier Details (Routing Sequence/Transit Time)

Name: Carrier Details (Routing Sequence/Transit Time)

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
TD5				
133	Routing Sequence Code	O ID 1/2	N	not used
66	Identification Code Qualifier	C ID 1/2	C ID 1/2	2 Standard Carrier Alpha Code (SCAC)
67	Identification Code	C AN 2/80	R AN 2/80	SCAC code
91	Transportation Method/Type Code	C ID 1/2	N	not used
387	Routing	C AN 1/35	C AN 1/35	Free-form description of the routing or requested routing for shipment, or the originating carrier's identity
368	Shipment/Order Status Code	C ID 2/2	N	not used
309	Location Qualifier	O ID 1/2	N	not used
310	Location Identifier	C AN 1/30	N	not used
731	Transit Direction Code	O ID 2/2	N	not used
732	Transit Time Direction Qualifier	O ID 2/2	N	not used
733	Transit Time	C R 1/4	N	not used
284	Service Level Code	C ID 2/2	C ID 2/2	9A 9 A.M. AC Air Cargo AM A.M. CG Ground CX Express Service ES Expedited Service G2 Standard Service GT Tracking - Ground IE Expedited Service - Worldwide IX Express Service - Worldwide ND Next Day Air Delivery during day hours of next business day NM Next Morning ON Overnight SA Same Day SC Second Day Air Delivery during day hours no later than 2nd business day SD Saturday SE Second Day SG Standard Ground SH Second Day Hundred Weight SI Standard Ground Hundred Weight SM Second Morning

Remark:

Example:

TD5**2*456DFG**UPS OVERNIGHT*****CG

Group: **N1** Status: R Max. Occ.: 1 Buyer

Segment: **N1** Seq. No.: 9 Level: 1 **Party Identification**
 Status: M Max. Occ.: 1
 Counter: 3100

Name: **Party Identification**

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
N1				
98	Entity Identifier Code	M ID 2/3	M ID 2/2	BY Buying Party (Purchaser)
93	Name	C AN 1/60	R AN 1/60	
66	Identification Code Qualifier	C ID 1/2	R ID 1/2	92 Assigned by Buyer or Buyer's Agent
67	Identification Code	C AN 2/80	R AN 2/35	

Remark:

Example:

N1*BY*VOLVO TRUCKS NA INC*92*24814

Group: **N1** Status: R Max. Occ.: 1 Buyer

Segment: **N3** Seq. No.: 10 Level: 2 **Party Location**
 Status: O Max. Occ.: 1
 Counter: 3300

Name: Party Location

UN/EDIFACT		Implementation		
	Name	St Format	St Format	Use / Remarks
N3				
166	Address Information	M AN 1/55	M AN 1/55	
166	Address Information	O AN 1/55	N	not used

Remark:

Example:

N3*7900 NATIONAL SERVICE RD

Group: **N1** Status: R Max. Occ.: 1 Buyer

Segment: **N4** Seq. No.: 11 Level: 2 **Geographic Location**
 Status: R Max. Occ.: 1
 Counter: 3400

Name: **Geographic Location**

UN/EDIFACT		Implementation		
	Name	St Format	St Format	Use / Remarks
N4				
19	City Name	O AN 2/30	R AN 2/30	
156	State or Province Code	C ID 2/2	O ID 2/2	
116	Postal Code	O ID 3/15	R ID 3/15	
26	Country Code	C ID 2/3	R ID 2/2	

Remark:

Example:

N4*GREENSBORO*NC*27409*US

Group: **N1** Status: R Max. Occ.: 1 Buyer

Segment: **PER** Seq. No.: 12 Level: 2 **Administrative Communications Contact**
 Status: O Max. Occ.: 3
 Counter: 3600

Name: Administrative Communications Contact

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
PER				
366	Contact Function Code	M ID 2/2	M ID 2/2	BD Buyer Name or Department
93	Name	O AN 1/60	R AN 1/35	
365	Communication Number Qualifier	C ID 2/2	C ID 2/2	EM Electronic Mail
364	Communication Number	C AN 1/25	C AN 1/70	
365	Communication Number Qualifier	C ID 2/2	C ID 2/2	TE Telephone
364	Communication Number	C AN 1/25	C AN 1/70	

Remark:

Example:

PER*BD*BOB SNYDER*EM*BOB.SNYDER@VOLVO.COM

Group: **N1** Status: R Max. Occ.: 1 Selling Party

Segment: **N1** Seq. No.: 13 Level: 1 **Party Identification**
 Status: M Max. Occ.: 1
 Counter: 3100

Name: **Party Identification**

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
N1				
98	Entity Identifier Code	M ID 2/3	M ID 2/2	SE Selling Party
93	Name	C AN 1/60	R AN 1/60	
66	Identification Code Qualifier	C ID 1/2	R ID 1/2	92 Assigned by Buyer or Buyer's Agent
67	Identification Code	C AN 2/80	R AN 2/35	

Remark:

Example:

N1*SE*PANA-PACIFIC CORP*92*51144

Group: **N1** Status: R Max. Occ.: 1 Selling Party

Segment: **N3** Seq. No.: 14 Level: 2 **Party Location**
 Status: O Max. Occ.: 1
 Counter: 3300

Name: Party Location

UN/EDIFACT		Implementation		
	Name	St Format	St Format	Use / Remarks
N3				
166	Address Information	M AN 1/55	M AN 1/55	
166	Address Information	O AN 1/55	N	not used

Remark:

Example:

N3*80 VANESS DR

Group: **N1** Status: R Max. Occ.: 1 Selling Party

Segment: **N4** Seq. No.: 15 Level: 2 **Geographic Location**
 Status: R Max. Occ.: 1
 Counter: 3400

Name: **Geographic Location**

UN/EDIFACT		Implementation		
	Name	St Format	St Format	Use / Remarks
N4				
19	City Name	O AN 2/30	R AN 2/30	
156	State or Province Code	C ID 2/2	O ID 2/2	
116	Postal Code	O ID 3/15	R ID 3/15	
26	Country Code	C ID 2/3	R ID 2/2	

Remark:

Example:

N4*ENCINO*CA*93721*US

Group: **N1** Status: R Max. Occ.: 1 Ship To

Segment: **N1** Seq. No.: 16 Level: 1 **Party Identification**
 Status: M Max. Occ.: 1
 Counter: 3100

Name: **Party Identification**

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
N1				
98	Entity Identifier Code	M ID 2/3	M ID 2/2	ST Ship To
93	Name	C AN 1/60	R AN 1/60	
66	Identification Code Qualifier	C ID 1/2	R ID 1/2	92 Assigned by Buyer or Buyer's Agent
67	Identification Code	C AN 2/80	R AN 2/35	

Remark:

Example:

N1*ST*WORLDWIDE EQUIPMENT OF TN, INC*92*5372D

Group: **N1** Status: R Max. Occ.: 1 Ship To

Segment: **N3** Seq. No.: 17 Level: 2 **Party Location**
 Status: O Max. Occ.: 1
 Counter: 3300

Name: Party Location

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
N3				
166	Address Information	M AN 1/55	M AN 1/55	
166	Address Information	O AN 1/55	N	not used

Remark:

Example:

N3*2017 EAST 23RD STREET

Group: **N1** Status: R Max. Occ.: 1 Ship To

Segment: **N4** Seq. No.: 18 Level: 2 **Geographic Location**
 Status: R Max. Occ.: 1
 Counter: 3400

Name: **Geographic Location**

UN/EDIFACT		Implementation		
	Name	St Format	St Format	Use / Remarks
N4				
19	City Name	O AN 2/30	R AN 2/30	
156	State or Province Code	C ID 2/2	C ID 2/2	
116	Postal Code	O ID 3/15	R ID 3/15	
26	Country Code	C ID 2/3	R ID 2/2	

Remark:

Example:

N4*CHATTANOOGA*TN*37404*US

Group: **PO1** Status: M Max. Occ.: 999 PO1

Segment: **PO1** Seq. No.: 19 Level: 1 **Baseline Item Data**
 Status: M Max. Occ.: 1
 Counter: 0100

Name: **Baseline Item Data**

UN/EDIFACT			Implementation		
	Name	St Format	St Format	Use / Remarks	
PO1					
350	Assigned Identification	O AN 1/20	D AN 1/6	Line ID	
380	Quantity	C R 1/15	D R 1/15	Ordered Quantity	
355	Unit or Basis for Measurement Code	O ID 2/2	O ID 2/2	CN Can CR Cubic Meter DM Decimeter DR Drum EA Each FT Foot GA Gallon GR Gram HU Hundred KG Kilogram KT Kit LB Pound LT Liter ML Milliliter MM Millimeter MR Meter OZ Ounce - Av PK Package PR Pair PT Pint QT Quart SC Square Centimeter SM Square Meter T3 Thousand Pieces If no unit code is given the default value is EA for each/pieces	
212	Unit Price	C R 1/17	D R 1/15		
639	Basis of Unit Price Code	O ID 2/2	O ID 2/2	The quantity multipel of the given price HP Price per Hundred PE Price per Each TP Price per Thousand	
235	Product/Service ID Qualifier	C ID 2/2	R ID 2/2	BP Buyer's Part Number	
234	Product/Service ID	C AN 1/48	R AN 1/35		
235	Product/Service ID Qualifier	C ID 2/2	D ID 2/2	VP Vendor's (Seller's) Part Number	
234	Product/Service ID	C AN 1/48	D AN 1/35		
235	Product/Service ID Qualifier	C ID 2/2	D ID 2/2	PD Part Number Description	
234	Product/Service ID	C AN 1/48	D AN 1/35		
235	Product/Service ID Qualifier	C ID 2/2	N	not used	
234	Product/Service ID	C AN 1/48	N	not used	
235	Product/Service ID Qualifier	C ID 2/2	N	not used	

Remark:

Example:

PO1*00001*6*EA*69.60*PE*BP*PNSPP1060626E*VP*PP106062 6E*PD*RADIO,AM/FM CD PLA

Group: CTT Status: O Max. Occ.: 1 CTT

Segment: CTT Seq. No.: 20 Level: 1 **Transaction Totals**
 Status: M Max. Occ.: 1
 Counter: 0100

Name: Transaction Totals

UN/EDIFACT		Implementation		
	Name	St Format	St Format	Use / Remarks
CTT				
354	Number of Line Items	M N0 1/6	M N0 1/6	
347	Hash Total	O R 1/10	O R 1/10	

Remark:

Example:

CTT*1*6

Segment:

SE

Seq. No.: 21 Level: 0
 Status: M Max. Occ.: 1
 Counter: 0300

Transaction Set Trailer

Name: Transaction Set Trailer

UN/EDIFACT		Implementation		
	Name	St Format	St Format	Use / Remarks
SE				
96	Number of Included Segments	M NO 1/10	M NO 1/10	
329	Transaction Set Control Number	M AN 4/9	M AN 4/9	

Remark:

Example:

SE*21*0001