4.0 Detailed guidelines of the order message within Volvo

4.1 General

This document describes Volvo's application of the EDIFACT message for purchase order (ORDERS) and its relations to order response (ORDRSP) and order change (ORDCHG).

The specification offers a detailed description of those data elements which will be used including recommended code listings. Special attention to code listings is needed If transfer and transformation to ANSI X12 is done for the U.S. market. See, Cross listing below at appendix 3.

The basis of the application is the EDIFACT message entitled ORDERS version D96B issued by UN in September 1996.

The frequency and scope of the ORDERS message are specific for each company within Volvo.

Relations to other messages:

ORDERS message has strong relations to the Order change message (ORDCHG) with which changes to the content of a previous ORDERS can be made. ORDERS message can also ask supplier for a order response. Such response is performed by order response message ORDRSP.

Message usage:

It is important in all communication that buyer's and seller's prime references must be given. This to allow automatic processing in the order cycle, without manual intervention. That is also why free form text in a message is not recommended.

Message constrain:

It is important to understand that the message can handle more than one Consignee in the detail section. But this is only possible as long as those consignees have the same Invoice address in the Header section. If this is not the case a new ORDERS need to be created.

Buyer to Seller communication is done by using

- ORDERS message for original order
- ORDCHG message for either
- changes to original ORDERS message
- confirmation on proposal for changes coming on a ORDRSP message from supplier.

Seller to Buyer communication is done by using

- ORDRSP message for either.

strict confirmation of received ORDERS or ORDCHG message from buyer
confirmation with full ORDERS or ORDCHG message content
confirmation of ORDERS or ORDCHG message with proposals to changes.

4.2 The purpose and the basic function of the message

The purpose of purchase order is to provide the seller/supplier with essential information involved in purchase of the following goods and services.

* To buy parts to a Volvo production or aftermarket facility.

* To buy Tools and tooling.

* To buy Sample parts out of tools.

* To buy Non Automotive Parts(NAP) or Material, Repair and Operations (MRO),for goods and services.

* To buy Products from a Volvo manufacturer. (i.e. Vehicle, Engine...)

The message may contain the following information:

* Who is the buyer.

* Who is the seller.

* Payment Terms.

* Delivery conditions.

* Item number or description of goods.

* Quantity of goods.

* Where to deliver (consignee).

* When to deliver (if Stand Alone Order).

* Where to send Invoice.

4.3 Definitions

4.3.1 Order types

A Purchase can be done in two different ways.

4.3.1.1 Contract or Blanket buying (BGM 1001 code = 221)

Contract and Blanket buying have basically the same purpose, that is to establish long-term relations with a supplier and use delivery schedules, or DELINS message, to actually specify when and how much shall be delivered at a certain time. Contract and Blanket may or may not carry estimated annuals quantity information.

4.3.1.2 Quantity and Stand Alone buying (BGM 1001 code = 220)

Quantity buying is used when buying larger quantities at a certain price. Quantity is always given but delivery date can be left out indicating that a delivery schedules will come and specify When, Where and How many shall be delivered at a certain time.

Stand Alone buying is used, when Price, Quantity, What to send, and where to send is given in the order message.

4.3.2 Requisition types

A Purchase can be requested by using different types of requisitions. This can, together with order type, be indicated in the IMD. Please, see 4.6.3, IMD in header message.

4.3.3 Name and Addresses

A Purchase can have three NAD's indicating various kinds NAD segments.

4.3.3.1 Buyer (NAD 3035 code = BY)

BY tells who the buyer is. BY can also be the Goods Receiver(Consignee) and the party to Invoice. If this is the case either NAD CN or NAD IV or both will not be found in message.

4.3.3.2 Seller (NAD 3035 code = SE)

SE tells who the seller is.

4.3.3.3 Invoicee (NAD 3035 code = IV)

IV tells where to send invoice. If not given it is the same as BY.

4.2.4 Delivery Party (NAD 3035 code = DP)

DP tells where goods are regrouped during its transportation to final destination.

4.2.5 Consignee (NAD 3035 code = CN)

CN tells where to send goods. If not given it is either
- same as BY
- given in Detail section NAD

4.2.6 Ultimate Consignee (NAD 3035 code = UC)

UC tells where goods finally will end up if CN is not the final goods receiver.

4.4. Message Content

4.4.1 Minimum Order content

4.4.1.1 Header segment:

UNH (heading section)
- 0062 = number
- 0065 = ORDERS
- 0052 = D
- 0054 = 96B
- 0051 = UN
- 0057 = association assigned code

BGM (header section)
- 1001 = 220 (Stand Alone)
- 1004 = sequential number

DTM (header section)
- 2005 = 137
- 2380 = date as CCYYMMDD
- 2379 = 102

NAD (segment group 2).
- 3035 = BY (buyer)
- 3039 = Sellers id on Buyer
- 3055 = 91

NAD (segment group 2).
- 3035 = SE (seller)
- 3039 = buyers id on seller
- 3055 = 92

4.4.1.2 Detail segment:

LIN (segment group 25)
1082 = unique line number
7140 = Part/Item number
7143 = IN (buyers item number) or SA (suppliers item number)

PIA (segment group 25)
4347 = 1 (additional information)
7140 = Part/Item number
7143 =VN (vendor item) or IN (buyers item)

or (if part number is not known a description is needed)

LIN (segment group 25)
1082 = unique line number

IMD (segment group 25)
7008 = item description

QTY (segment group 25) (On Contract/Blanket orders QTY may not be given)
6063 = 21 (Ordered quantity)
6060 = quantity

DTM (segment group 25) (On Contract/Blanket orders delivery date/time may not be given)
2005 = 2 (delivery date/time requested)
2380 = date in CCYYMMDD
2379 = 102

UNS (summery section)
0081 = S

UNT (message trailer)
0074 = number of segments in the message
0062 = message reference number

4.5 Message code constrains and ANSI X12 relations

4.5.1 Code constrains and ANSI X12 relations

4.5.1.1 Code specifications:

Codes that are to be used for the message are given either
* directly listed in the message
* referred to as a code list known by EDIFACT
* referred to as a Volvo known code list (referred to in the message file description as ”See appendix 1”) .
* referred to as a Volvo Company known code list (referred to in the documentation.)

4.5.1.2 ANSI X12 relations:

Applications that are about to send files for conversion to corresponding ANSI X12 (850) message need to consider below cross listing. See appendix 3.

4.6 File structure

This is a description of those parts of the Orders message of the EDIFACT message, that VOLVO proposes to use in the Volvo implementation of the ORDERS message.

- file structure
- looping structure
- message content
- segment occurrence
- segment examples
- segment explanations

VOLVO application of Edifact ORDERS from versions D 96B

This is a description of those part of the EDIFACT message, that VOLVO proposes to use.

4.6.1 Structure

Header Section

TAG	NAME	S	REPT	S	REPT
UNH	Message header	M	1		
BGM	Beginning of message	M	1		
DTM	Date/time/period	M	1		
IMD	Item description	O	1		
FTX	Free text	O	99		
---Segment	Group 1			O	5
RFF	Reference	M	1		
DTM	Date/time/period	O	1		
---Segment	Group 2			M	6
NAD	Name and address	R	2		
LOC	Place/location identif.	O	1		
---Segment	Group 5			O	1
CTA	Contact information	M	1		
COM	Communication contact	O	3		
---Segment	Group 7			O	1
CUX	Currencies	M	1		

---Segment Group 8				O	5
PAT	Payment terms basis	M	1		
PCD	Percentage details	O	1		
---Segment group 11				O	1
TOD	Terms of delivery or transport	M	1		
LOC	Place/location identification	O	1		
---Segment Group 24				O	100
RCS	Requirements and conditions	M	1		

DETAIL SECTION

TAG	NAME	S	REPT	S	REPT
---	Segment Group 25			M	200000
LIN	Line item	M	1		
PIA	Additional product id	O	5		
IMD	Item description	O	99		
MEA	Measurements	O	4		
QTY	Quantity	O	10		
DTM	Date/time/period	O	10		
FTX	Free text	O	99		
---	Segment Group 26			O	999
CCI	Characteristic/Class ID	M	1		
---	Segment Group 27			O	5
PRI	Price details	M	1		
DTM	Date/time/period	O	5		
---	Segment Group 28			O	10
RFF	Reference	M	1		
---	Segment Group 34			O	1
NAD	Name and address	M	1		
LOC	Place/location identification	O	1		
---	Segment Group 38			O	15
ALC	Allowance or charge	M	1		
---	Segment Group 40			O	5
PCD	Percentage details	M	1		
RNG	Range details	O	1		
---	Segment Group 41			O	5
MOA	Monetary amount	M	1		

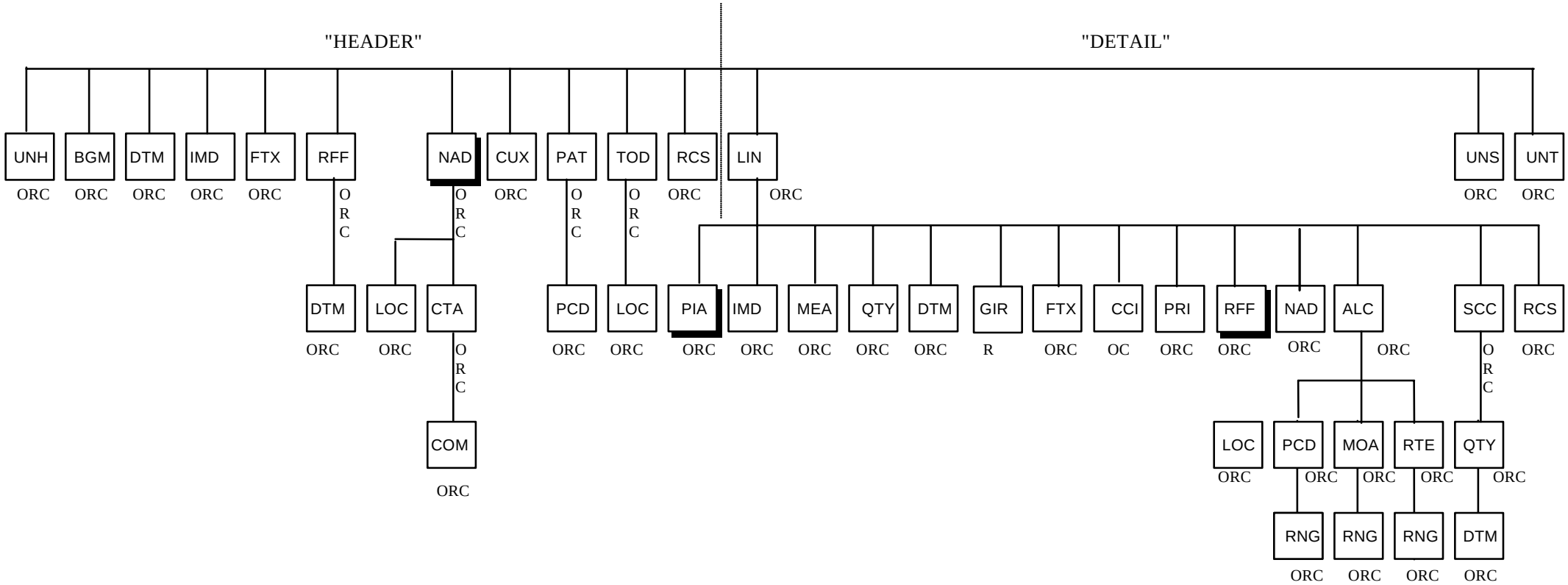
RNG	Range details	O	1		
---	Segment Group 42			O	5
RTE	Rate detail	M	1		
RNG	Range details	O	1		
---	Segment Group 48			O	100
SCC	Scheduling conditions	M	1		
---	Segment Group 49			M	10
QTY	Quantity	M	1		
DTM	Date/time/period	O	10		
---	Segment Group 50			O	100
RCS	Requirements and conditions	M	1		

Summary Section

TAG	NAME	S	REPT	S	REPT
UNS	Section control	M	1		
UNT	Message trailer	M	1		

4.6.2 File structure header section

Initial and closing service segments are not shown in the figure below. They are described in the Volvo specification in chapter Application of ISO/EDIFACT and OFTP.



- O = Structure for Order message
- C = Structure for Order change
- R = Structure for Order response

4.6.3 Description

These are the groups and segments which will be used by Volvo.

Heading section

MESSSAGE HEADER

To uniquely identify the Odette subset and the Edifact message.

0062	**MESSAGE REFERENCE NUMBER**	**M an..14**
	Sender's reference number	
S009	**MESSAGE IDENTIFIER**	**M**
0065	Message type *Value: ORDERS*	M an..6
0052	Message version number *Value:* D	M an..3
0054	Message release number *Value:* 96B	M an..3
0051	Controlling agency *Value:* UN	M an..2
0057	Associated assigned code *Value:* A18030	R an..6
0068	**COMMON ACCESS REFERENCE**	**N**
S010	**STATUS OF TRANSFER**	**N**

Example: UNH+1+ORDERS:D:96B:UN:A18030'

BGM BEGINNING OF MESSAGE M 1

To indicate the type and function of a message, to transmit the identifying number (in 1004) and to classify the type of response required.

C002	**DOCUMENT/MESSAGE NAME**	**R**
1001	Document/message name, coded *Value*: 220 Order (Stand Alone order) 221 Order (Blanket and Contract order)	R an..3
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N
1000	Document/message name	N
C106	**DOCUMENT/MESSAGE IDENTIFICATION**	**R**
1004	Document/message number *Value*: ORDER NUMBER	R an..35
1056	Version	N
1060	Revision number	N
1225	**MESSAGE FUNCTION, CODED**	**O an..3**

The purpose of the message.
Value: 9 Original
16 Proposal

4343	**RESPONSE TYPE, CODED**	**O an..3**

Value: NA No acknowledgement needed
AB Message acknowledgement
AD Acknowledgement with detail and no change
AC Acknowledge - with detail and change
A I Acknowledge only changes

Example: BGM+220+123456++NA'

DTM DATE/TIME/PERIOD M 1

To specify message date/time, i.e. the Purchase Order date and, optionally, time.

C507	**DATE/TIME/PERIOD**	**M**
2005	Date/time/period qualifier *Value*: 137 Document/message date/time	M an..3
2380	Date/time/period	R an..35
2379	Date/time/period format qualifier *Value*: 102 CCYYMMDD. 204 CCYYMMDDHHMMSS	R an..3

Example: DTM+137:19971010:102'
DTM+137:19971010113425:204'

IMD	**ITEM DESCRIPTION**	**O 1**
	To indicate requisition type.	
7077	**ITEM DESCPRIPTION TYPE, CODED**	**N**
7081	**ITEM CHARASTERISTIC, CODED**	**N**
C273	**ITEM DESCRIPTION**	**R**
7009	Item description identification *Value*: CO / PR Contract Order , Production material BL / PR Blanket Order , Production material QU / PR Quantity Order , Production material SA / PP Stand Alone Order, Pre production material SA / RW Stand Alone Order, Rework of production material SA / ST Stand Alone Order , Tooling SA / SM Stand Alone Order, Sample material SA / NAP Stand Alone Order , Non-Automotive Parts (NAP)or Material, repair and operation (MRO).	R an..17
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by Buyer	R an..3
7008	Item description	N
7008	Item description	N
3453	Language, coded	N
7383	**SURFACE/LAYER INDICATOR, CODED**	**N**

Example: IMD+++CO/PR::92'

FTX	**FREE TEXT**	**(O)99**
	To provide free form or coded text information. Free text should be avoided where possible since this will inhibit automatic processing.	
4451	**TEXT SUBJECT QUALIFIER**	**M an..3**
	Value: PUR Purchasing information PKG Packaging information QQD Quality information AAJ Additional conditions of sales/purchase	
4453	**TEXT FUNCTION, CODED**	**N**
C107	**TEXT REFERENCE**	**O**
4441	Free text identification The code may have to be read in conjunction with the buyer's NAD segment in order to uniquely identify the code. See Trading Partner Agreement.	R an..17
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by Buyer	O an..3
C108	**TEXT LITERAL**	**O**
4440	Free text	M an..70
4440	Free text	O an..70
4440	Free text	O an..70
4440	Free text	O an..70
4440	Free text	O an..70
3453	**LANGUAGE, CODED**	**N**

Example: FTX+PUR++1::92+NOTE, SILICON NOT ALLOWED TO BE USED'

Segment group 1		**O 5**
RFF REFERENCE		**(M) 1**
	To specify a reference number.	
C506	**REFERENCE**	**M**
1153	Reference qualifier *Value*: CR Customer reference number Reference to internal order at buyer CO Customer Order number (to be referenced in all communication with customer) PS Purchase order number suffix. Reference to be used in the invoice CT Contract number Reference to the commercial contract FC Tax number	M an..3
1154	Reference number The reference number classified by 1153.	R an..35
1156	Line number	N
4000	Reference version number	N
Example:	RFF+CR:005123456' RFF+FC:SE556013970000'	
RFF.DTM DATE/TIME/PERIOD		**O 1**
	To specify date, and/or time, when needed to uniquely identify the reference.	
C507	**DATE/TIME/PERIOD**	**M**
2005	Date/time/period qualifier *Value*: 171 Reference date/time	M an..3
2380	Date/time/period	R an..35
2379	Date/time/period format qualifier *Value*: 102 CCYYMMDD	R an..3
Example:	DTM+171:19971010:102'	

Segment group 2		**M 6**
NAD	**NAME AND ADDRESS**	**(R) 1**
	To identify the buyer in coded form.	
3035	**PARTY QUALIFIER**	**M an..3**
	Value: BY Buyer	
C082	**PARTY IDENTIFICATION DETAILS**	**R**
3039	Party id identification Sellers identification on the Buyer. See Trading Partner Agreement.	M an..35
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 91 Assigned by Seller	R an..3
C058	**NAME AND ADDRESS** Address of Buyer	**R**
3124	Name and address line	M an..35
3124	Name and address line *Condition*: when more than one line is needed.	D an..35
3124	Name and address line *Condition:* when more than 2 lines are needed.	D an..35
3124	Name and address line *Condition:* when more than 3 lines are needed.	D an..35

C059	**STREET**	**N**
3164	**CITY NAME**	**N**
3229	**COUNTRY SUB-ENTITY IDENTIFICATION**	**N**
3251	**POST CODE IDENTIFICATION**	**N**
3207	**COUNTRY, CODED**	**O an 3**

Country of Invoicee, coded
Use ISO 3166 two alpha country code, e.g.
NL The Netherlands

Example: NAD+BY+94409::91++VOLVO CAR CORPORATION'

13-NAD.RFF REFERENCE **D**

To specify a reference number.

Condition:
Mandatory for deliveries within the EU.

C506	**REFERENCE**	**M**
1153	Reference qualifier *Value:* VA = VAT Registration Number	M an..3
1154	Reference number The reference number classified by 1153.	R an..17 (an..35)
1156	Line number	N
4000	Reference version number	N

Example: RFF+VA:SE556214166201’

Segment group 5		**O 1**
NAD.CTA	**CONTACT INFORMATION**	**M 1**
	Gives information about and identifies the purchaser.	
3139	**CONTACT FUNCTION, CODED**	**R an..3**
	Value: IC Information contact	
C056	**DEPARTMENT OR EMPLOYEE DETAILS**	**R**
3413	Department or employee identification	N
3412	Department or employee Either the name or the code of the purchaser at Volvo must be given.	R an..35

Example: CTA+IC+:LEIF EDSTROM'

NAD.CTA.COM	**COMMUNICATION CONTACT**	**O 3**
	Seller's communication contact information about the purchaser.	
C076	**COMMUNICATION CONTACT**	**M**
3148	Communication number A phone(including extension), Fax number, e-mail	M an..25
3155	Communication channel qualifier *Value*: TE Telephone FX Fax EM Electronic Mail	M an..3

Example: COM+031593265:TE'

Segment group 2 additional loop		**R 1**
NAD	**NAME AND ADDRESS**	**M 1**
	Buyer's information about the Seller.	
3035	**PARTY QUALIFIER** *Value*: SE Seller	**M an..3**
C082	**PARTY IDENTIFICATION DETAILS**	**R**
3039	Party id identification Buyer's code on the Seller. See Trading Partner Agreement.	M an..35
113	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by Buyer	R an..3
C058	**NAME AND ADDRESS** Address of Buyer	**R**
3124	Name and address line	M an..35
3124	Name and address line *Condition*: when more than one line is needed.	D an..35
3124	Name and address line *Condition:* when more than 2 lines are needed.	D an..35
3124	Name and address line *Condition:* when more than 3 lines are needed.	D an..35

C080	**PARTY NAME**	**N**
C059	**STREET**	**N**
3164	**CITY NAME**	**N**
3229	**COUNTRY SUB-ENTITY IDENTIFICATION**	**N**
3251	**POST CODE IDENTIFICATION**	**N**
3207	**COUNTRY, CODED**	**N**

Country of Invoicee, coded
Use ISO 3166 two alpha country code, e.g.
NL The Netherlands

Example: NAD+SE+8002::92'

13-NAD.RFF REFERENCE **D**

To specify a reference number.

Condition:
Mandatory for deliveries within the EU.

C506	**REFERENCE**	**M**
1153	Reference qualifier *Value:* VA = VAT Registration Number	M an..3
1154	Reference number The reference number classified by 1153.	R an..17 (an..35)
1156	Line number	N
4000	Reference version number	N

Example: RFF+VA:SE556214166201’

Segment group 5		**O 1**
NAD.CTA	**CONTACT INFORMATION**	**M 1**
	Buyer's contact information about the Seller.	
313	**CONTACT FUNCTION, CODED**	**R an..3**
	Value: IC Information contact	
C056	**DEPARTMENT OR EMPLOYEE DETAILS**	**R**
3413	Department or employee identification	N
3412	Department or employee Either the name or the code of the seller's contact person must be given.	R an..35

Example: CTA+IC+:BENGT SJOGREN'

Segment group 2 additional loop		**O 1**
NAD	**NAME AND ADDRESS**	**M 1**
	Buyer's information about the Invoicee. *Conditions:* This NAD segment will only be used if Invoicee differ from Buyer.	
3035	**PARTY QUALIFIER**	**M an..3**
	Value: IV Invoicee	
C082	**PARTY IDENTIFICATION DETAILS**	**R**
3039	Party id identification Volvo's identification of Invoicee. See Trading Partner Agreement.	M an..35
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by Buyer	R an..3
C058	**NAME AND ADDRESS** Address of Buyer	**R**
3124	Name and address line	M an..35
3124	Name and address line *Condition*: when more than one line is needed.	D an..35
3124	Name and address line *Condition:* when more than 2 lines are needed.	D an..35
3124	Name and address line *Condition:* when more than 3 lines are needed.	D an..35

C080	**PARTY NAME**	**O**
	Name of Invoicee	
3036	Party name	M an..35
3036	Party name	N
3036	Party name	N
3036	Party name	N
3036	Party name	N
3045	Party name format, coded	N
C059	**STREET**	**O**
	Address of Invoicee	
3042	Street and number/P.O. Box	M an..35
3042	Street and number/P.O. Box	O an..35
3042	Street and number/P.O. Box	O an..35
3164	**CITY NAME**	**O an..30(an.. 35)**
	City of Invoicee	
3229	**COUNTRY SUB-ENTITY IDENTIFICATION**	**O an..2 (an.. 9)**
	State of Invoicee (North Carolina = NC)	
3251	**POST CODE IDENTIFICATION**	**O an..9**
	Post code of Invoicee	
3207	**COUNTRY, CODED**	**O an..3**
	Country of Invoicee, coded Use ISO 3166 two alpha country code, e.g. NL The Netherlands	

Example: NAD+IV+1003::92++VOLVO CAR CORPORATION, SUPPORT++GOTEBORG++405 08+SE'
(Illustration of address in Goteborg)
NAD+IV+4388::92++VOLVO GM HEAVY TRUCK CORPORATION+PO BOX 1126+DUBLIN +VA+24084+US'

Segment group 2 additional loop		**O 1**
NAD	**NAME AND ADDRESS**	**M 1**
	Buyer's information about the Delivery Party, e.g. where goods are regrouped, not stored.	
3035	**PARTY QUALIFIER**	**M an..3**
	Value: DP Delivery Party	
C082	**PARTY IDENTIFICATION DETAILS**	**D**
	Either C082 or C080 must be used.	
3039	Party id identification Volvo's information about delivery party. See Trading Partner Agreement.	R an..35
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by Buyer	R an..3
C058	**NAME AND ADDRESS** Address of Buyer	**R**
3124	Name and address line	M an..35
3124	Name and address line *Condition*: when more than one line is needed.	D an..35
3124	Name and address line *Condition:* when more than 2 lines are needed.	D an..35
3124	Name and address line *Condition:* when more than 3 lines are needed.	D an..35

C080	**PARTY NAME**	**N**
	Name of Delivery Party Either C082 or C080 must be used.	
C059	**STREET**	**O**
	Address of Delivery Party	
3042	Street and number/P.O. Box	M an..35
3042	Street and number/P.O. Box	O an..35
3042	Street and number/P.O. Box	O an..35
3164	**CITY NAME**	**O an..30 (an.. 35)**
	City of Delivery Party	
3229	**COUNTRY SUB-ENTITY IDENTIFICATION**	**O an.. 2 (an.. 9)**
	State of Delivery Party	
3251	**POST CODE IDENTIFICATION**	**O an..9**
	Post code of Delivery Party	
3207	**COUNTRY, CODED**	**O an..3**
	Country of Delivery Party, coded Use ISO 3166 two alpha country code, e.g. NL The Netherlands	

Example: NAD+DP+1111::92++SCHENKER+BAHNHOFSTRASSE18
+KIEL++D3697+DE'

Segment group 2 additional loop		**O 1**
NAD	**NAME AND ADDRESS**	**M 1**
	Buyer's information about the Consignee *Conditions:* This segment will only be used when there is only one consignee in the order and when it is different from the buyer. If more than one (different from each other), use the NAD segment in the detail section instead.	
3035	**PARTY QUALIFIER** *Value:* CN Consignee	**M an..3**
C082	**PARTY IDENTIFICATION DETAILS** Either C082 or C080 must be used.	**D**
3039	Party id identification Volvo's identification on the Consignee. See Trading Partner Agreement.	M an..35
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by Buyer	R an..3

C058	**NAME AND ADDRESS** Address of Buyer	**R**
3124	Name and address line	M an..35
3124	Name and address line *Condition*: when more than one line is needed.	D an..35
3124	Name and address line *Condition:* when more than 2 lines are needed.	D an..35
3124	Name and address line *Condition:* when more than 3 lines are needed.	D an..35
C080	**PARTY NAME** Name of Consignee Either C082 or C080 must be used.	**D**
3036	Party name	M an..35
3036	Party name	N
3036	Party name	N
3036	Party name	N
3036	Party name	N
3045	Party name format, coded	N
C059	**STREET** Address of Consignee	**O**
3042	Street and number/P.O. Box	M an..35
3042	Street and number/P.O. Box	O an..35
3042	Street and number/P.O. Box	O an..35
3164	**CITY NAME** City name of Consignee	**O an..30(an.. 35)**
3229	**COUNTRY SUB-ENTITY IDENTIFICATION** State of Consignee	**O an..2 (an.. 9)**

3251	**POST CODE IDENTIFICATION**	**O an..9**

Post code of Consignee

3207	**COUNTRY, CODED**	**O an..3**

Country of Consignee, coded
Use ISO 3166 two alpha country code, e.g.
NL The Netherlands

Example: NAD+CN+1003::92++VOLVO CAR CORPORATION,SUPPORT
++GOTEBORG++405 08+SE'

NAD+CN+4388::92++VOLVO GM HEAVY TRUCK
CORPORATION+HIGHWAY 643+DUBLIN+VA+24084+US'

NAD.LOC	**PLACE/LOCATION IDENTIFICATION**	**O 1**

Optionally to be used to indicate further a delivery location, sub-location or specific point within the organisation identified in NAD.

3227	**PLACE/LOCATION QUALIFIER**	**M an..3**

Value: 7 Delivery location

C517	**LOCATION IDENTIFICATION**	**R**
3225	Place/location identification	N
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N
3224	Place/location	M an..17(an..70)
C519	**RELATED LOCATION ONE IDENTIFICATION**	**N**
C553	**RELATED LOCATION TWO IDENTIFICATION**	**N**
5479	**RELATION, CODED**	**N**

Example: LOC+7+:::TORSLANDA DOCK B'
LOC+7+:::DEPT 26439 AB1'
(Illustration of internal geographical location within Consignee)

Segment group 2 additional loop		**O 1**
NAD	**NAME AND ADDRESS**	**M 1**
	Buyer's information about the Ultimate Consignee *Conditions:* This segment will only be used when the material user is different from consignee.	
3035	**PARTY QUALIFIER**	**M an..3**
	Value: UC Ultimate consignee	
C082	**PARTY IDENTIFICATION DETAILS**	**D**
	Either C082 or C080 must be used.	
3039	Party identification Volvo's information about Material User. See Trading Partner Agreement.	M an..35
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by Buyer	R an..3
C058	**NAME AND ADDRESS** Address of Buyer	**R**
3124	Name and address line	M an..35
3124	Name and address line *Condition*: when more than one line is needed.	D an..35
3124	Name and address line *Condition:* when more than 2 lines are needed.	D an..35
3124	Name and address line *Condition:* when more than 3 lines are needed.	D an..35

C080	**PARTY NAME**	**D**
	Name of Material User Either C082 or C080 must be used.	
3036	Party name	M an..35
3036	Party name	N
3036	Party name	N
3036	Party name	N
3036	Party name	N
3045	Party name format, coded	N
C059	**STREET**	**N**
3164	**CITY NAME**	**N**
3229	**COUNTRY SUB-ENTITY IDENTIFICATION**	**N**
3251	**POSTCODE IDENTIFICATION**	**N**
3207	**COUNTRY, CODED**	**O an 3**
	Country of Invoicee, coded Use ISO 3166 two alpha country code, e.g. NL The Netherlands	
Example:	NAD+UC+9876::92++SUNNE CAR DEALER LTD'	

Segment group 7		**O 1**
CUX CURRENCIES		**M 1**
	To specify currencies used in the transaction and relevant details for the rate of exchange.	
C504	**CURRENCY DETAILS**	**R**
6347	Currency details qualifier *Value*: 2 Reference currency	M an..3
6345	Currency, coded ISO 4217 three alpha code	R an..3
6343	Currency qualifier *Value*: 9 Order currency	R an..3
6348	Currency rate base	N
C504	**CURRENCY DETAILS**	**O**
6347	Currency details qualifier *Value*: 3 Target Currency	O an..3
6345	Currency, coded ISO 4217 three alpha code	O an..3
6343	Currency qualifier *Value*: 4 Invoice currency	O an..3
6348	Currency rate base	N
5402	**RATE OF EXCHANGE**	**D n..12**
6341	**CURRENCY MARKET EXCHANGE, CODED**	**N**
Example:	CUX+2:SEK:9' CUX+2:SEK:9+3:DEM:4+4.25'	

Segment group 8		**O 5**
PAT	**PAYMENT TERMS BASIS**	**M 1**
	To specify the payment terms basis.	
4279	**PAYMENT TERMS TYPE QUALIFIER**	**M an..3**
	Value: 1 Basic 5 Discount not applicable 7 Extended 18 Previously agreed upon 20 Penalty terms 21 Payment by instalment 8 Discount	
C110	**PAYMENT TERMS**	**O**
4277	Terms of payment identification The code may have to be read in conjunction with the Either 4277 or 4276 must be used if C110 is used. See Trading Partner Agreement.	D an..17
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by Buyer	R an..3
4276	Terms of payment Either 4277 or 4276 must be used if C110 is used.	D an..35
4276	Terms of payment	O an..35

C112	**TERMS/TIME INFORMATION**	**O**
2475	Payment time reference, coded *Value*: 5 Date of invoice 29 Date of delivery of goods to establishments/domicile/site	M an..3
2009	**Time relation, coded**	**N**
2151	**Type of period, coded**	**N**
2152	**Number of periods**	**N**

Example: PAT+1+30::92+5'
(illustration to “30 day net” code within Volvo Truck Corporation)

DAT.PCD	**PERCENTAGE DETAILS**	**O 1**

To specify payment discount and penalty charges.

C501	**PERCENTAGE DETAILS**	**M**
5245	Percentage qualifier *Value*: 12 Discount (percentage, for discount terms) 15 Penalty (percentage, for penalty terms)	M an..3
5482	Percentage The number of percentage without plus or minus sign.	R..8 (n..10)
5249	Percentage basis, coded	N
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N

Example: PCD+12:5'

Segment group 11		**O 1**
TOD	**TERMS OF DELIVERY OR TRANSPORT**	**M 1**
	To specify terms of delivery or transport.	
4055	**TERMS OF DELIVERY OR TRANSPORT FUNCTION, CODED**	**R an..3**
	Value: 6 Delivery condition	
4215	**TRANSPORT CHARGES METHOD OF PAYMENT, CODED**	**N**
C100	**TERMS OF DELIVERY OR TRANSPORT**	**R**
4053	Terms of delivery or transport, coded Inco terms Use UN/ECE Recommendation No. 5 Incoterms 1990	R an..3
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N
4052	Terms of delivery or transport	N
4052	Terms of delivery or transport	N

Example: TOD+6++FCA'
TOD+6++XWK'

TOD.LOC PLACE/LOCATION IDENTIFICATION **O 1**

To identify a country/place/location related to the inco- terms defined in the preceding TOD segment.

3227	**PLACE/LOCATION QUALIFIER**	**M an..3**
	Value: 1 Place of delivery	
C517	**LOCATION IDENTIFICATION**	**R**
3225	Place/location identification Use UN/ECE Recommendation No. 16: UNLOCODE.	D an.. 17(an..25)
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 6 UN/ECE Must be used if 3225 is used.	D an.. 3
3224	Place/location Name of location	D an..17(an..70)
C519	**RELATED LOCATION ONE IDENTIFICATION**	**N**
C553	**RELATED LOCATION TWO IDENTIFICATION**	**N**

Example: LOC+1+:::YOKOHAMA’

Segment group 24		**O 100**
RCS REQUIREMENTS AND CONDITIONS		**M 1**
	To specify sector/subject requirements and conditions.	
7293	**SECTOR/SUBJECT IDENTIFICATION QUALIFIER**	**M an..3**
	Value: 5 Automotive Industry	
C550	**REQUIREMENT/CONDITION IDENTIFICATION**	**O**
7295	Requirement/condition identification The code may have to be read in conjunction with the buyer's NAD segment in order to uniquely identify the code. See Trading Partner Agreement.	M an..17
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by Buyer. Must be used if 7295 is used.	D an..3
7294	Requirement or condition	O an..35
1229	**ACTION REQUEST/NOTIFICATION, CODED**	**N**

Example: RCS+5+554::92'
RCS+5+:::NOT TO BE EXPORTED TO THIRD COUNTRY'

Detail Section

Segment group 25		**M 200000**
LIN LINE ITEM		**M 1**

To identify a line item and configuration. To each item corresponding to an occurrence of Group 25, a line item number is required. The buyer's product number should be placed in LIN and the supplier's product number optionally in PIA.

The message can also handle multiple consignees within same order, or multiple consignees for same LIN 7140, by repeating LIN and give other NAD consignee.

Note:
Limitation is that all NAD given in the detailed section must have the same NAD Invoicee in Header section.

1082	**LINE ITEM NUMBER**	**O n..6**

Item number/position.

Note:
If line item is not used then the consignee must be considered, for uniqueness.

1229	**ACTION REQUEST/NOTIFICATION, CODED**	**N**
C212	**ITEM NUMBER IDENTIFICATION**	**O**
7140	Item number Volvo's article number	R an..35
7143	Item number type, coded *Value*: IN Buyer's item number SA Supplier item number	R an..3
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N

C829	**SUB-LINE INFORMATION**	**N**
1222	**CONFIGURATION LEVEL**	**O n..2**
	Value: 1 (Sub line level. Note: If used only value 1 is allowed.)	
7083	**CONFIGURATION, CODED**	**N**

Example: LIN+1++12345678:IN’
LIN+1++12345678:IN+1’
(Illustration of sub level used)

LIN.PIA	**ADDITIONAL PRODUCT ID**	**O 5**
	To specify additional or substitution item identification codes(buyer's or seller's). The code values shown below do not necessarily have to come in the presented order.	
4347	**PRODUCT ID FUNCTION QUALIFIER**	**M an..3**
	Value: 1 Additional identification	
C212	**ITEM NUMBER IDENTIFICATION**	**M**
7140	Item number Article number	C an..35
7143	Item number type, coded *Value*: VN Vendor article number SA Supplier article number	C an..3
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N
C212	**ITEM NUMBER IDENTIFICATION**	**O**
7140	Item number Part Issue	D an..35
7143	Item number type, coded *Value*: EN EAN ZZ1 Part issue Comment: See trading partner agreement, PIA7143 code list	D an..3
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by buyer or buyer's agent	D an..3
C212	**ITEM NUMBER IDENTIFICATION**	**O**
7140	Item number	D an..35
7143	Item number type, coded *Value*: DW Drawing	D an..3
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N

C212	**ITEM NUMBER IDENTIFICATION**	**O**
7140	Item number	D an..35
7143	Item number type, coded *Value*: ZZ2 Item to be refurbished Comment: See trading partner agreement, PIA7143 code list	D an..3
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by buyer or buyer's agent	D an..3
C212	**ITEM NUMBER IDENTIFICATION**	**O**
7140	Item number	D an..35
7143	Item number type, coded *Value*: DR Drawing revision number	D an..3
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N

Example: PIA+1+A322011V3:VN+E123456:??’
PIA+1+E 123 456:SA'

LIN.PIA	**ADDITIONAL PRODUCT ID (additional PIA within**	**O 5)**
	To specify additional or substitution item identification codes.	
4347	**PRODUCT ID FUNCTION QUALIFIER**	**M an..3**
	Value: 1 Additional identification	
C212	**ITEM NUMBER IDENTIFICATION**	**O**
7140	Item number Article number	D an..35
7143	Item number type, coded *Value*: MF Manufacturer's Article Number	D an..3
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N
C212	**ITEM NUMBER IDENTIFICATION**	**O**
7140	Item number Article description	D an..35
7143	Item number type, coded *Value*: PD Part Description	D an..3
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N

Example: PIA+1+32MM457:MF+SCREW M5:PD'

LIN.IMD	**ITEM DESCRIPTION**	**O 99**
	To further describe an item in either an industry or free format. If no item number exists in the LIN segment, this segment must be used to uniquely identify the item.	
7077	**ITEM DESCRIPTION TYPE, CODED**	**M an.. 3**
	Value: F Free Form	
7081	**ITEM CHARACTERISTIC, CODED**	**N**
C273	**ITEM DESCRIPTION**	**O**
7009	Item description identification	N
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N
7008	Item description Article Description	O an..35
7008	Item description Article Description	O an..35
3453	Language, coded	N
7383	**SURFACE/LAYER INDICATOR, CODED**	**N**

Example: IMD+F++:::MORE DETAILED DESCRIPTION OF GOODS OR SERVICE'

LIN.MEA MEASUREMENTS **(O) 4**

To specify physical measurements of the ordered item, where this is required for full identification of the product, including dimension tolerances, weights and counts. This segment will only be used after special agreement. Any measurements must refer to the product in its unpacked form e.g. thickness of plastic film, length, weight, etc.

6311	**MEASUREMENT APPLICATION QUALIFIER**	**M an..3**
	Value: PD Physical dimensions (physical attributes)	
C502	**MEASUREMENT DETAILS**	**R**
6313	Measurement dimension, coded	R an..3
	Value: HT (Height dimension)	
	LN (Length dimension)	
	WD (Width dimension)	
	DI (Diameter of an article)	
6321	Measurement significance, coded	N
6155	Measurement attribute, coded	N
6154	Measurement attribute	N
C174	**VALUE/RANGE**	**R**
6411	Measure unit qualifier	M an..3
	ISO codes	
	See appendix 1.	
6314	Measurement value	R n..18(an..18)
6162	Range minimum	N
6152	Range maximum	N
6432	Significant digits	N
7383	**SURFACE/LAYER INDICATOR, CODED**	**N**

Example: MEA+PD+LN+MTR:20'

LIN.QTY QUANTITY O 10

To specify a pertinent quantity. For split or scheduled deliveries specify the quantities through the repetition of groups 32(split deliveries) or 48 (scheduled deliveries). If split or scheduled deliveries are not used, this segment is required.

C186	**QUANTITY DETAILS**	**M**
6063	Quantity qualifier *Value*: 21 Ordered quantity 31 Estimated annual volume 99 Estimated quantity	M an..3
6060	Quantity Self explanatory	M n..15
6411	Measure unit qualifier ISO codes, same as in PRI 6411. See appendix 1.	O an..3

Example: QTY+21:2:PCE'

71-LIN.ALI ADDITIONAL INFORMATION D 1 (5)

Information of article`s country of origin**.**

Condition:
Mandatory for articles with origin from outside the European union.

3239 Country of origin, coded R a2

Sort code according to ISO standard.
See appendix 4 or ODDC 006.

9213	**TYPE OF DUTY REGIME, CODED**	**N**
4183	**SPECIAL CONDITIONS, CODED**	**N**
4183	**SPECIAL CONDITIONS, CODED**	**N**
4183	**SPECIAL CONDITIONS, CODED**	**N**
4183	**SPECIAL CONDITIONS, CODED**	**N**
4183	**SPECIAL CONDITIONS, CODED**	**N**

Example: ALI+JP’

LIN.DTM	**DATE/TIME/PERIOD**	**O 10**

To specify date (and times if required) relevant to the delivery or pick up of goods.

Conditions:
This segment will only be used when SCC segment is not used.

C507	**DATE/TIME/PERIOD**	**M**
2005	Date/time/period qualifier	M an..3
	Value: 2 Delivery date/time, requested 10 Shipment date/time, requested 11 Dispatch date/time 61 Cancel if not delivered by this date 63 Delivery date/time, latest 64 Delivery date/time, earliest 69 Delivery date/time, promised for 323 Horizon period (Order coverage time)	
2380	Date/time/period Format: See below	R an..35
2379	Date/time/period format qualifier	R an..3
	Value: 102 CCYYMMDD 203 CCYYMMDDHHMM. 616 CCYYWW, Week within a calendar year 1st week of January = week 01. 803 Week, to indicate a quantity of weeks	

Example: DTM+2:19951011:102'
DTM+2:199644:616’
Illustration of Skip/Delivery week.
DTM+323:12:803'
Illustration of Order Coverage Time.

LIN.FTX	**FREE TEXT**	**O 99**
	To provide free form or coded text information. The use of this segment is not recommended. When used it is important for the receiver to know in advance if the free text has to be checked before completing the process of the transaction.	
4451	**TEXT SUBJECT QUALIFIER**	**M an..3**
	Value: PUR Purchasing information PKG Packaging information QQD Quality information AAJ Additional information	
4453	**TEXT FUNCTION, CODED**	**N**
C107	**TEXT REFERENCE**	**O**
4441	Free text identification The code may have to be read in conjunction with the buyer's NAD segment in order to uniquely identify the code. See Trading Partner Agreement.	M an..17
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by buyer or buyer's agent	R an..3
C108	**TEXT LITERAL**	**O**
4440	Free text	M an..70
4440	Free text	O an..70
4440	Free text	O an..70
4440	Free text	O an..70
4440	Free text	O an..70
3453	**LANGUAGE, CODED**	**N**
Example:	FTX+PUR++8::92+NOTE, SILICON IS NOT ALLOWED TO BE USED'	

Segment group 26		**O 999**
LIN.CCI	**CHARACTERISTIC/CLASS ID**	**M 1**
	To specify product characteristic.	
C240	**PRODUCT CHARACTERISTIC**	**D**
7037	Characteristic identification	M an..17
3055	Code list responsible agency, coded *Value:* 92 Assigned by Buyer or Buyer's agent	R an..3
7036	Characteristic Free form description of the product characteristic	D an..35
Segment group 28		**O 75**
LIN.PRI	**PRICE DETAILS**	**M 1**
	To specify price information. *Note*: Price is given in same currency as in CUX 6345 for CUX 6343 Value of 9 = Order currency.	
C509	**PRICE INFORMATION**	**R**
5125	Price qualifier *Value*: AAA calculation net AAB calculation gross(allowances and charges to be applied to the price must be provided in the ALC segment)	M an..3
5118	Price Self explanatory (including decimal point)	R n..15
5375	Price type, coded	N
5387	Price type qualifier	N
5284	Unit price basis 1,10,100,1000.	D n.. 9
6411	Measure unit qualifier See appendix 1.	D an..3
5213	**SUB-LINE PRICE CHANGE, CODED**	**N**

Example: PRI+AAB:20.50:1:PCE’

PRI.DTM	**DATE/TIME/PERIOD**	**O 5**
	To specify date, and/or time, or period.	
C507	**DATE/TIME/PERIOD**	**M**
2005	Date/time/period qualifier *Value*: 7 Effective date 36 Expire date	M an..3
2380	Date/time/period	R an..35
2379	Date/time/period format qualifier *Value*: 102 CCYYMMDD	R an..3

Example: DTM+7:19940516:102'

Segment group 29		**O 10**
LIN.RFF	**REFERENCE**	**M 1**

To specify a reference. This segment may be used to allocate a unique reference number to this line in this order.

C506	**REFERENCE**	**M**
1153	Reference qualifier *Value*: AEG Customer specification number	M an..3
1154	Reference number Technical document reference	R an..35
1156	Line number	N
4000	Reference version number	N

Example: RFF+AEG:005123456'

LIN.RFF	**REFERENCE**	**O 1**

To specify a reference. only one of those variants below can be used.

C506	**REFERENCE**	**M**
1153	Reference qualifier *Value*: AEP Project number	M an..3
1154	Reference number Project number	R an..35
1156	Line number	N
4000	Reference version number	N

Example: RFF+AEP:005123456'

LIN.RFF	**REFERENCE**	**O 1**
	To specify a reference.	
C506	**REFERENCE**	**M**
1153	Reference qualifier *Value*: ABU Produced item	M an..3
1154	Reference number Item related to a tool	R an..35
1156	Line number	N
4000	Reference version number	N

Example: RFF+ABU:005123456'

LIN.RFF	**REFERENCE**	**O 1**
	To specify a reference.	
C506	**REFERENCE**	**M**
1153	Reference qualifier *Value*: ON Order number	M an..3
1154	Reference number	N
1156	Line number *Value*: Line number on order	M an..6
4000	Reference version number	N

Example: RFF+ON::1'
Illustration of order line number 1.

Segment group 35		**O 1**
LIN.NAD	**NAME AND ADDRESS**	**M 1**
	To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 through 3207. *Conditions:* This segment will only be used when there are different consignees on order.	
3035	**PARTY QUALIFIER** *Value*: CN Consignee	**M an..3**
C082	**PARTY IDENTIFICATION DETAILS**	**D**
	Either C082 or C080 must be used.	
3039	Party id identification Volvo's identification on the Consignee. See Trading Partner Agreement.	M an..35
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 Assigned by Buyer	R an..3
C058	**NAME AND ADDRESS** Address of Buyer	**R**
3124	Name and address line	M an..35
3124	Name and address line *Condition*: when more than one line is needed.	D an..35
3124	Name and address line *Condition:* when more than 2 lines are needed.	D an..35
3124	Name and address line *Condition:* when more than 3 lines are needed.	D an..35
C080	**PARTY NAME**	**D**

Name of Consignee
Either C082 or C080 must be used

3036	Party name	M an..35
3036	Party name	N
3036	Party name	N
3036	Party name	N
3036	Party name	N
3045	Party name format, coded	N

C059	**STREET**	**O**
	Address of Consignee	
3042	Street and number/P.O. Box	M an..35
3042	Street and number/P.O. Box	O an..35
3042	Street and number/P.O. Box	O an..35
3164	**CITY NAME**	**O an..30 (an.. 35)**
	City name of Consignee	
3229	**COUNTRY SUB-ENTITY IDENTIFICATION**	**O an..2 (an.. 9)**
	State of Consignee	
3251	**POSTCODE IDENTIFICATION**	**O an..9**
	Post code of Consignee	
3207	**COUNTRY, CODED**	**O an..3**
	Country of Consignee, coded Use ISO 3166 two alpha country code, e.g. NL The Netherlands	

Example: NAD+CN+123456::92++VOLVO
CAR TORSLANDA ASSEMBLY PLANT'

LIN.NAD.LOC PLACE/LOCATION IDENTIFICATION O 1

Optionally to be used to indicate further a delivery location, sub-location or specific point within the organisation identified in NAD.

3227	**PLACE/LOCATION QUALIFIER**	**M an..3**
	Value: 7 Delivery location	
C517	**LOCATION IDENTIFICATION**	**R**
3225	Place/location identification	N
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N
3224	Place/location	M an..17(an..70)
C519	**RELATED LOCATION ONE IDENTIFICATION**	**N**
C553	**RELATED LOCATION TWO IDENTIFICATION**	**N**
5479	**RELATION, CODED**	**N**

Example: LOC+7+:::TORSLANDA DOCK B'

Segment group 39		**O 15**
LIN.ALC	**ALLOWANCE OR CHARGE**	**M 1**

To identify allowance or charge details related to this line item for information only if calculations are net, or to be taken into consideration if calculation are gross. The allowance or charge may be given as on amount, a rate per unit or a percentage.

5463	**ALLOWANCE OR CHARGE QUALIFIER**	**M an..3**
	Value: A Allowance C Charge	
C552	**ALLOWANCE/CHARGE INFORMATION**	**N**
4471	**SETTLEMENT, CODED**	**N**
1227	**CALCULATION SEQUENCE INDICATOR, CODED**	**N**
C214	**SPECIAL SERVICES IDENTIFICATION**	**R**
7161	Special services, coded *Value*: ABK ABL FAC FC PC RF SC See appendix 1.	M an..3
1131	Code list qualifier	N
3055	Code list responsible agency, coded *Value*: 92 assigned by buyer	D an..3
7160	Special service	N
7160	Special service	N

Example: ALC+A++++ABK'
ALC+C++++KKK::92' Illustration when owners code list)

Segment group 41		**O 5**
LIN.ALC.PCD PERCENTAGE DETAILS		**M 1**
	To specify allowance or charge percentage information.	
C501	**PERCENTAGE DETAILS**	**M**
5245	Percentage qualifier *Value*: 3 Allowance or charge	M an..3
5482	Percentage The number of percentage.	R n..8 (n..10)
5249	Percentage basis, coded	N
1131	Code list qualifier	N
3055	Code list responsible agency, coded	N

Example: PCD+3:40'
i.e. allowance of 40 % per unit price

LIN.ALC.PCD.RNG RANGE DETAILS **O 1**

The segment is used if the allowance or charge percentage is depending on a range.

6167 RANGE TYPE QUALIFIER **M an..3**

Value: 3 Monetary range
4 Quantity range

C280 RANGE **R**

6411 Measure unit qualifier M an..3
ISO codes

Conditions:
Must be the same value as in PRI 6411 segment when Quantity. If Monetary same currency as in CUX 6345 for CUX 6343 Value of 9 = Order currency, is used.

6162 Range minimum D n..18
Self explanatory

6152 Range maximum D n..18
Self explanatory

Example: RNG+4+PCE:200:500'
i.e. expected allowance for the range of 200 to 500 pieces'
RNG+3+SEK:5000:10000'
i.e. expected allowance for the range of 5000 to 10000 SEK'

Segment group 42		**O 5**
LIN.ALC.MOA	**MONETARY AMOUNT**	**M 1**

To specify a monetary amount for the ordered line item.

C516	**MONETARY AMOUNT**	**M**
5025	Monetary amount type qualifier *Value*: 23 Charge amount 204 Allowance amount *Conditions:* This mandatory value must correspond to what is specified in DE5463 in ALC.	M an..3
5004	Monetary amount Self explanatory	R n..18
6345	Currency, coded	N
6343	Currency qualifier	N
4405	Status, coded	N

Example: MOA+204:20000’

LIN.ALC.MOA.RNG RANGE DETAILS **O 1**

To identify a range.

Conditions:
It is used if the allowance or charge is depending on a range.

6167	**RANGE TYPE QUALIFIER**	**M an..3**

Value: 3 Monetary range
4 Quantity range

C280	**RANGE**	**R**
6411	Measure unit qualifier ISO codes	M an..3

Conditions:
Must be the same value as in PRI 641 segment when Quantity. If Monetary same currency as in CUX 6345 for CUX 6343 Value of 9 = Order currency, is used.

6162	Range minimum	D n..18
6152	Range maximum	D n..18

Example: RNG+4+PCE:500:2000'
i.e expected allowance for the range of 200 to 500 pieces'
RNG+3+SEK:5000:10000'
i.e expected allowance for the range of 5000 to 10000SEK'

Segment group 43		**O 5**
LIN.ALC.RTE	**RATE DETAILS**	**M 1**
	To specify the allowance or charge rate information.	
C128	**RATE DETAILS**	**M**
5419	Rate type qualifier *Value*: 1 Allowance rate 2 Charge rate	M an..3
5420	Rate per unit	M n..15
5284	Unit price basis	N
6411	Measure unit qualifier	N

Example: RTE+1:2.5’
i.e. the allowance is applied per unit.

LIN.ALC.RTE.RNG	**RANGE DETAILS**	**O 1**

To identify a range.

Conditions:
It is used if the allowance or charge is depending on a range.

6167	**RANGE TYPE QUALIFIER**	**M an..3**

Value: 3 Monetary range
4 Quantity range

C280	**RANGE**	**R**
6411	Measure unit qualifier ISO codes	M an..3

Conditions:
Must be the same value as in PRI 6411 segment when Quantity. If Monetary same currency as in CUX 6345 for CUX 6343 Value of 9 = Order currency, is used.

6162	Range minimum	D n..18
6152	Range maximum	D n..18

Example: RNG+4+PCE:200:500’
i.e. expected allowance for the range of 200 to 500 pieces.
RNG+3+SEK:5000:10000’
i.e expected allowance for the range of 5000 to 10000 SEK’

Segment group 49		**O 100**
LIN.SCC	**SCHEDULING CONDITIONS**	**M 1**

To specify a delivery schedule for the line item, e.g. to identify the quantities and delivery dates, for a specific period.

4017	**DELIVERY PLAN STATUS INDICATOR, CODED**	**M an..3**

Value: 1 Firm
4 Planning / forecast

4493	**DELIVERY REQUIREMENTS, CODED**	**N**
C329	**PATTERN DESCRIPTION**	**O**
2013	Frequency, coded See appendix 1.	R an..3
2015	Dispatch pattern, coded See appendix 1	O an..3
2017	Dispatch pattern timing, coded See appendix 1.	O an..3

Example: SCC+1++W:14:D'
e.g. firm, weekly every Tuesday morning

Segment group 50		**M 10**
LIN.SCC.QTY QUANTITY		**M 1**
	To specify a delivery quantity for a delivery schedule.	
C186	**QUANTITY DETAILS**	**M**
6063	Quantity qualifier *Value*: 21 Ordered quantity	M an..3
6060	Quantity	M n..15
6411	Measure unit qualifier ISO codes, same as in PRI 6411. See appendix 1.	M an.. 3

Example: QTY+21:2:PCE'

LIN.SCC.QTY.DTM DATE/TIME/PERIOD **O 10**

To specify date, and/or time, or period for the quantity specified in previous segment.

Note:
The information given here may complement the pattern indicated in the SCC segment.

C507	**DATE/TIME/PERIOD**	**M**
2005	Date/time/period qualifier *Value*: 2 Delivery date/time, requested 10 Shipment date/time, requested 11 Dispatch date/time 61 Cancel if not delivered by this date 63 Delivery date/time, latest 64 Delivery date/time, earliest 69 Delivery date/time, promised for	M an..3
2380	Date/time/period *Format:* See below	R an..35
2379	Date/time/period format qualifier *Value*: 102 CCYYMMDD 203 CCYYMMDDHHMM 616 CCYYWW, Week within a calendar year 1st week of January = week 01.	R an..3

Example: DTM+2:19951011:102'
DTM+2:199644:616’
Illustration of Skip/Delivery week.

Segment group 51		**O 100**
LIN.RCS	**REQUIREMENTS AND CONDITIONS**	**M 1**
	To specify sector/subject requirements and conditions.	
7293	**SECTOR/SUBJECT IDENTIFICATION QUALIFIER**	**M an..3**
	Value: 5 Automotive Industry	
C550	**REQUIREMENT/CONDITION IDENTIFICATION**	**O**
7295	Requirement/condition identification *Value*: 01 (no surface treatment) (example is a VTC preparation code) (See Trading Partner Agreement)	M an..17
1131	Code list qualifier *Value*: PC Preparation code list (example of code from VTC code list) (See Trading Partner Agreement)	O an..3
3055	Code list responsible agency, coded *Value*: 92 Assigned by buyer. In this case a Volvo Truck Corporation code list. (See Trading Partner Agreement)	D an..3
7294	Requirement or condition	O an.. 35
1229	**ACTION REQUEST/NOTIFICATION, CODED**	**N**

Example: RCS+5+613::92’
RCS+5+02:PC:92’
Volvo Truck Corporation example.
RCS+5+:::ACCORDING TO DRAWING’

Summery section

UNS SECTION CONTROL **M 1**

To separate Header, Detail and Summary sections of a message

0081 SECTION IDENTIFICATION **M an..1**

Value: S Separate summery from detail

Example: UNS+S’

UNT MESSAGE TRAILER **M 1**

A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

0074 NUMBER OF SEGMENTS IN THE MESSAGE **M n..6**

0062 MESSAGE REFERENCE NUMBER **M an..6**

Example: UNT+23+1’

4.7 Examples

4.7.1 Blanket and Contract Order

Purchase Order - Production Material / Contract Blanket and Blanket Below is an example of a Normal Contract or Blanket Order for Production Material.

Header Section:

```
UNH+1+ORDERS:D:96B:UN:XX1'
BGM+221+M101044++NA'
DTM+137:19950106:102'
IMD+++CO/PR::92'      (IMD+++BL/PR::92'  if Blanket Order)

      FTX+PUR++1::92+OBJECTION TO THE CONTENT OF THIS
ORDER/ADDITIONAL
      TO PART SPECIFICATION: ARE TO REACH VOLVO GM HEAVY TRUCK
CORPORATION NO LATER THAN: EIGHT WORKING  DAYS AFTER RECEIPT'
FTX+QQD++1::92+IN ADDITION TO ISO 9001/2 .....etc.....
RFF+CR:M101044/000'
RFF+CO:M101044-556'
RFF+PS:556'
NAD+BY+11111::91++VOLVO GM HEAVY TRUCK  CORPORATION'
CTA+IC+:BUYER'
COM+19193932000:TE'
COM+19193932799:FX'
NAD+SE+00001::92'
CTA+IC+:Suppliers Sales Name'
NAD+IV+4388::92++VOLVO GM HEAVY TRUCK CORPORATION
                  +PO BOX 1126
                  +DUBLIN
                  +VA
                  +24084
                  +US'
NAD+CN+4388::92++VOLVO GM HEAVY TRUCK  CORPORATION
                  +HIGHWAY 643
                  +DUBLIN
                  +VA
                  +24084
                  +US'
CUX+2:USD:9'
PAT+1+30::92'
TOD+6++FCA'
```

Detail Section:

```
LIN+1++2345676:IN'
PIA+1+missing:VN+2345600:DW+P02:DR+BRACKET:PD'
QTY+21:10000:PCE' (Note: In U.S. QTY will not be given)
DTM+2:19951011:102'     (Note: In U.S. DTM will not be given)
                        (DELINS message will tell what to deliver and
when in all cases.)
DTM+323:6:803'          (Illustration of Order Coverage Time)

FTX+PUR+++Order Line Text'
PRI+AAA:4.22::PCE'
DTM+7:19940509:102'
RCS+5+03:PC:92'   (Illustration of Preparation code)

LIN+2++2345677:IN'
PIA+1+missing:VN+2345600:DW+P02:DR+BRACKET:PD'
QTY+21:10000:PCE'       (Note: In U.S. QTY will not be given)
DTM+2:19951011:102'     (Note: In U.S. DTM will not be given) (
DELINS message will tell      what to deliver and when in all cases.)
DTM+323:6:803'          (Illustration of Order Coverage Time)

FTX+PUR+++Order line text'
PRI+AAA:5.385::PCE'
DTM+7:19940509:102'
RCS+5+03:PC:92'  (Illustration of Preparation code)

UNS+S'
```

4.7.2 Quantity Order

Purchase Order - Production Material / Quantity
Below is an example of a Normal Quantity Order for Production Material.

Header Section:

```
UNH+1+ORDERS:D:96B:UN:XX1'

BGM+220+M101043++NA'
DTM+137:19950106:102'
IMD+++QU/PR::92'
FTX+PUR++1::92+OBJECTION TO THE CONTENT OF THIS ORDER/ADDITIONAL TO
                  PART SPECIFICATION: ARE TO REACH VOLVO GM HEAVY
TRUCK             CORPORATION NO LATER THAN: EIGHT WORKING DAYS
AFTER             RECEIPT'
FTX+QQD++1::92+IN ADDITION TO ISO 9001/2 .....etc.....
RFF+CR:M101043/000'
RFF+CO:M101043-556'
RFF+PS:556'
NAD+BY+11111::91++VOLVO GM HEAVY TRUCK  CORPORATION'
CTA+IC+:BUYER'
COM+19193932000:TE'
COM+19193932799:FX'
NAD+SE+00001::92'
CTA+IC+:Supplier Sales Name'
NAD+IV+4388::92++VOLVO GM HEAVY TRUCK CORPORATION
                  +PO BOX 1126
                  +DUBLIN
                  +VA
                  +24084
                  +US'
NAD+CN+4388::92++VOLVO GM HEAVY TRUCK  CORPORATION
                  +HIGHWAY 643
                  +DUBLIN
                  +VA
                  +24084
                  +US'
CUX+2:USD:9'
PAT+1+30::92'
TOD+6++FCA
```

Detail Section:

```
LIN+1++2345678:IN'
PIA+1+missing:VN+2345600:DW+P04:DR+BRACKET:PD’
QTY+21:250:PCE'
DTM+2:19950201:102'  (DTM may be left out. Then DELINS message
        will tell date)
FTX+PUR+++Order line text’
PRI+AAA:8.80::PCE’
DTM+7:19950509:102'

LIN+2++2345679:IN'
PIA+1+missing:VN+2345600:DW+P01:DR+BRACKET:PD’
QTY+21:120:PCE'
DTM+2:19950201:102'   (DTM may be left out. Then DELINS message
        will tell date)
FTX+PUR+++Order line text’
PRI+AAA:7.06::PCE’
DTM+7:19950509:102'

UNS+S'
```

4.7.3 Stand Alone Orders

4.7.3.1 Pre Production

Purchase Order - Prototype Material / Stand Alone
Below is an example of a Normal Stand Alone Order for Prototype material.

Header Section:

```
UNH+1+ORDERS:D:96B:UN:A18030'

BGM+220+M114093++NA'      (How illustrate TOOL)
DTM+137:19941129:102'
IMD+++SA/PP::92'
FTX+PUR++1::92+Free text on Order ...etc'
RFF+CR:M114093/000'
RFF+CO:324-114093-187'
RFF+PS:187'
RFF+FC:SE556013970000'     (VAT no)
NAD+BY+11111::91++VOLVO TRUCK  CORPORATION'
CTA+IC+:BUYER'
COM+14631666000:TE'
COM+14631666000:FX'
NAD+SE+00001::92'
CTA+IC+:Supplier Sales Name'
NAD+IV+1001::92++VOLVO TRUCK CORPORATION
      ++GÖTEBORG
      ++405 08
      +SE'
      NAD+CN+++VOLVO TRUCK  CORPORATION
      ++GOTEBORG
      ++405 08
      +SE'
LOC+7+:::Dept 26439 AB1'

CUX+2:SEK:9'
PAT+1+30::92'
TOD+6++FCA'
```

Detail Section:

```
LIN+1++1075675:IN'
PIA+1+U-bolt. M24:PD+A03:DR+01691000:DW’
QTY+21:12:PCE'
DTM+2:9505:615'
FTX+PUR+++Order line text’
PRI+AAB:450.00’
DTM+7:19941129:102'

LIN+2++1075676:IN'
PIA+1+U-bolt. M25:PD+A03:DR+01691000:DW’
QTY+21:16:PCE'
DTM+2:9505:615'
FTX+PUR+++Order line text’
PRI+AAB:480.00’
DTM+7:19941129:102'

UNS+S'
```

4.7.3.2 Sample Order

Purchase Order - Sample Material / Stand Alone
Below is an example of a Normal Stand Alone Order for Sample Material.

Header Section:

```
UNH+1+ORDERS:D:96B:UN:A18030'

BGM+220+S111619++NA'      (How illustrate SAMPLE)
DTM+137:19940509:102'
IMD+++SA/SM::92'
FTX+PUR++1::92+All sample material must be accompanied...etc.'
FTX+QQD++1::92+In addition to ISO 9001/2 .....etc.....'
RFF+CR:S111619/000'
RFF+CO:S111619-556'
RFF+PS:556'
NAD+BY+11111::91++VOLVO GM HEAVY TRUCK  CORPORATION'
CTA+IC+:BUYER'
COM+19193932000:TE'
COM+19193932799:FX'
NAD+SE+00001::92'
CTA+IC+:Supplier Sales Name'
NAD+IV+4388::92++VOLVO GM HEAVY TRUCK CORPORATION
      +PO BOX 1126
      +DUBLIN
      +VA
      +24084
      +US'
      NAD+CN+4388::92++VOLVO GM HEAVY TRUCK  CORPORATION
      +HIGHWAY 643
      +DUBLIN
      +VA
      +24084
      +US'
CUX+2:USD:9'
PAT+1+30::92'
TOD+6++FCA'
```

Detail Section:

```
LIN+1++2345678:IN'
PIA+1+missing:VN+2345600:DW+P03:DR+BRACKET:PD’
QTY+21:5:PCE'
DTM+2:9425:615'   (Illustration of delivery week)
FTX+PUR+++Order line text’
PRI (No PRI)
DTM      (No DTM)

LIN+2++2345679:IN'
PIA+1+missing:VN+2345600:DW+P01:DR+BRACKET:PD’
QTY+21:5:PCE'
DTM+2:9425:615'  (Illustration of delivery week)
FTX+PUR+++Order line text’
PRI   (No PRI)
DTM   (No DTM)

UNS+S'
```

4.7.3.3 Sample Tool Order

Purchase Order - Tooling / Stand Alone
Below is an example of a Normal Stand Alone Order for Tooling.

Header Section:

```
UNH+1+ORDERS:D:96B:UN:A18030'

BGM+220+T111619++NA'
DTM+137:19940511:102'
IMD+++SA/ST::92'
FTX+PUR++1::92+OBJECTIONS TO THE CONTENT OF THIS.....etc'
RFF+CR:T111619/000'
RFF+CO:T111619-556'
RFF+PS:556'
NAD+BY+11111::91++VOLVO GM HEAVY TRUCK  CORPORATION'
CTA+IC+:BUYER'
COM+19193932000:TE'
COM+19193932799:FX'
NAD+SE+00001::92'
CTA+IC+:Supplier Sales Name'
NAD+IV+04388::92++VOLVO GM HEAVY TRUCK CORPORATION
                  +PO BOX 1126
                  +DUBLIN
                  +VA
                  +24084
                  +US'
NAD+CN+04388::92++VOLVO GM HEAVY TRUCK  CORPORATION
                  +HIGHWAY 643
                  +DUBLIN
                  +VA
                  +24084
                  +US'
CUX+2:USD:9'
PAT+1+30::92'
TOD+6++DDP'
```

Detail Section:

Note: Example show the following.
Ordered TOOL number is found in LIN 1.
SUB TOOLs are found on the following LIN with sub line indicator set to 1.
Produced Items for ordered tool is shown in two places.
1. In LIN for TOOL as RFF references.
2. In LIN showing RFF reference as part number

```
LIN+1++2345678:IN'
PIA+1+TOOLS FOR BRACKET:PD’
QTY+21:1:PCE'
FTX+PUR+++Order line text’
PRI+AAB:17975’
RFF+ABU:2345678'
RFF+ABU:2345679'

LIN+2++2345678-01:IN+:1’
PIA+FORGING TOOL:PD’
QTY+21:1:PCE'
PRI+AAB:9500’

LIN+3++2345678-02:IN+:1’
PIA+FIXTURE FOR MACHINING:PD’
QTY+21:1:PCE'
PRI+AAB:5000’

LIN+4++2345678-03:IN+:1’
PIA+FIXTURE FOR MACHINING:PD’
QTY+21:1:PCE'
PRI+AAB:3475’

LIN+5++2345678:IN'
PIA+1+missing:VN+BRACKET:PD+234560:DW+P03:DR’

LIN+6++2345679:IN'
PIA+1+missing:VN+BRACKET:PD+234560:DW+P01:DR’

UNS+S'
```

4.7.3.4 Non Automotive Parts NAP/MRO Order

Purchase Order - NAP (Non Automotive Parts) Material. Below is an example of a Normal Quantity Order for Non Automotive Parts or Material. The first LIN group contain a delivery schedule and the second LIN show only one delivery Point.

Header Section:

```
UNH+1+ORDERS:D:96B:UN:A18030'

BGM+220+1996101119002495+9+NA'
DTM+137:19961011:102'
RFF+CR:0487430’
DTM+004:19961011:102
RFF+PS:V'
NAD+BY+256155::91++VOLVO AERO  CORPORATION S-461 81 TROLLHATTAN'
CTA+PD+:JORGEN NILSSON'
NAD+SE+0000042::92++737 82 FAGERSTA
CTA+SR+:Supplier Sales Name'
CUX+2:SEK:9'
PAT+1+30::92'
TOD+6++DDP'
```

Detail Section:

```
LIN+1++01501634:IN'
PIA+1+0010:PD+74050185:SA'
IMD+F++:::SKAR RXGS 4,76 -46 890'     Note: Uniquely identify the
sellers item number
IMD+F++:::EGGAVRUNDAS 15 YM -5'
QTY+21:250:PCE'                       Note: The total ordered
quantity for schedule
                                           deliveries. Therefore the
DTM is not applicable.
PRI+AAB:8.80'
NAD+CN+556029-0347::92++VOLVO AERO CORPORATIONR: 461 81 TROLLHATTAN'
ALC+C'
PCD+1:45'
SCC+1'
QTY+21+50:PCE'
DTM+011:19961210:102'
QTY+21+200:PCE'
DTM+011:19970810:102'
LIN+2++01501219:IN'
PIA+1+0000:PD+74016514:SA'
QTY+21:100:PCE'
DTM+11:19961212:102'                  Note: In this LIN group the SCC
is not used
PRI+AAB:34.50'
NAD+CN+556029-0347::92++VOLVO AERO CORPORATIONR: 461 81
TROLLHATTAN'
ALC+C'
PCD+1:45'
UNS+S'
```

4.7.3.5 Rework Order

Purchase Order - Rework-Modification / Stand Alone Below is an example of a Normal Stand Alone Order for Rework or Modification of item.

Header Section:

UNH+1+ORDERS:D:96B:UN:A18030'
BGM+220+M101657++NA'
DTM+137:00000000:102'
IMD+++SA/RW::92'
FTX+PUR++1::92+Order free text ....etc'
RFF+CR:M101657/000'
RFF+CO:M101657-569'
RFF+PS:569'
NAD+BY+11111::91++VOLVO GM HEAVY TRUCK CORPORATION'
CTA+IC+:BUYER'
COM+19193932000:TE'
COM+19193932799:FX'
NAD+SE+00001::92'
CTA+IC+:Supplier Sales Name'
NAD+IV+4042::92++VOLVO GM ORRVILLE ASSEMBLY DIV
+PO BOX 903
+ORRVILLE
+OH
+44667-0903
+US'
NAD+CN+4042::92++VOLVO GM HEAVY TRUCK CORPORATION
+2927 E PARADISE ST, EXT.
+ORRVILLE
+ OH
+44667
+US'
CUX+2:USD:9'
PAT+1+30::92'
TOD+6++FCA'

Detail Section:

LIN+1++8397694:IN'
PIA+1+V-RIBBED BELT:PD+08099600:DW+C03:DR+946329:??'
QTY+21:1:PCE'
DTM+2:19950701:102'
FTX+PUR+++Order line text'
PRI+AAB:1.00'
DTM+7:19941129:102'

UNS+S'

4.7.4 Machining and Article Order (VCE)

Purchase Order - VCE Order from Sales entity to Production entity
Below are two examples of Purchase Orders from a Sales Entity to a Production Entity within the Volvo Construction Equipment Group.
The first one is a machine order; the second an article order.

4.7.4.1 Machine order

Header Section:

```
UNH+1+ORDERS:D:96B:UN:A18030'
BGM+220+5019754'

DTM+137:19970109080412:204'
FTX+PUR+++AS PER AGREEMENT WITH MR H PETTERSSON.'
RFF+CR:244534544'
RFF+CO:532865'
NAD+BY+DEU323046::91'
CTA+IC+:HANS WALLERICH'
NAD+SE+IND101016::91'
NAD+CN+DEU323046::91'
NAD+IV+DEU323045::91++VOLVOBAUMASCHINEN DEUTSCHLAND GMBH
                     +POSTFACH 1929
                     :D-54324 KONZ
                     :GERMANY'
NAD+DP+++SPED GRASER
                     +AHRENSBOKERSTRASSE
                     :D-23617 STOCKELSDORF
                     :DEUTSCHLAND'
CUX+2:SEK:9+3:DEM:4+4.250000'
TOD+6++FCT'
LOC+1+:::LUBECK'
```

Detail Section:

```
LIN+1++EB0000033336:IN'
PIA+1+L120C:MF'
QTY+21:1:PCE'
DTM+10:19970210:102'
FTX+PUR+++Order line text'
RFF+ON::1'
LIN+2++33336:IN++1'
QTY+21:1:PCE'
      LIN+3++90007:IN++1'
QTY+21:1:PCE'
      LIN+4++90787:IN++1'
QTY+21:1:PCE'
      FTX+PKG+2++SEPARATELY'
      LIN+5++91511:IN++1'
QTY+21:1:PCE'
      LIN+6++++1'
IMD+F++:::SPARE WHEEL GOODYEAR X.15*E34'
QTY+21:2:PCE'
FTX+PUR+++Order line text'
UNS+S'
```

4.7.4.2 Article order

Header Section:

```
UNH+1+ORDERS:D:96B:UN:A18030'
BGM+220+5019754'
DTM+137:19970109080412:204'
FTX+PUR+++PLS VERY URGENT; CUSTOMER WAITING FOR IMMEDIATE USE.'
RFF+CR:2Y44534544'
RFF+CO:532866'
NAD+BY+DEU323046::91'
CTA+IC+:Hans Wallerich'
NAD+SE+IND101016::91'
NAD+CN+DEU323046::91'
NAD+IV+DEU323045::91++Volvo Baumaschinen Deutschland GmbH
                           +Postfach 1929
                           :D-54324 KONZ
                           :Germany'
NAD+DP+++Sped Gräser
                           +Ahrensbokerstrassee
                           :D-23617 Stockelsdorf
                           :Deutschland'
```

Detail Section:

```
LIN+1++EB0000090787:IN'
QTY+21:1:PCE'
DTM+10:19970111:102'
RFF+ON::1'
IMD+F++:::Spare wheel Goodyear X.15*E34'
UNS+S'
```

4.8 EDIFACT to ANSI X12 crossing.

Crossing is valid for ORDERS, ORDCHG and ORDRSP. See appendix 3.