

# **Sonepar Suomi Oy Purchase Order Message Implementation Guide v0.4.1**

 sonepar

2024-03-06

## Table of Contents

Document history .....	4
General .....	5
Notation.....	5
Message structure .....	6
Detailed message structure .....	8
UNB - Interchange Header .....	8
UNH - Message Header .....	9
BGM - Beginning of message.....	10
FUTURE OPTION - (for Consolidated orders - Order type logic remark).....	10
DTM – Date/time/period.....	12
FTX – Free text.....	13
SG1 – RFF-DTM.....	14
RFF – Message reference .....	15
SG2 – NAD-LOC-FII-SG3-SG4-SG5 .....	16
NAD - Name and address .....	17
FUTURE OPTION - (for Consolidated orders - Order type logic remark).....	18
LOC – Place/Location identification .....	19
SG5 – CTA-COM.....	19
CTA – Contact information .....	20
SG7 – CUX-PCD-DTM.....	21
CUX – Currencies .....	22
SG10 – TDT-SG11.....	23
TDT – Transport information.....	24
SG12 – TOD-LOC.....	25
TOD – Terms of Delivery or Transport.....	26
SG29 – Line item.....	27
LIN – Line Item.....	28
PIA – Additional Product ID .....	29
IMD – Item description.....	30
QTY – Quantity .....	31
DTM – Date/time/period.....	32
FTX – FREE TEXT.....	33
SG33 – PRI-CUX-APR-RNG-DTM .....	34
PRI – Price details .....	35
SG34 – RFF-DTM-GEI-MOA.....	36
RFF – Reference.....	37

SG41 (FUTURE OPTION for Consolidated orders) *NAD-LOC-FII-SG42-SG43-SG44* .....38

*NAD - Name and address* .....39

*LOC – Place/Location identification*.....40

RFF – Reference.....42

SG45 – ALC-ALI-DTM-SG46-SG47-SG48-SG49-SG50.....43

ALC – Allowance or charge .....44

SG47 – PCD-RNG.....45

PCD – Percentage details.....46

SG55 – SCC-FTX-RFF-SG56 .....47

SCC – Scheduling Conditions .....48

UNS – Section Control .....49

CNT – Control total .....50

UNT – Message Trailer .....51

UNZ – Interchange Trailer .....52

Example of the D17A Orders message .....53

## Document history

Date	Version	Responsible	Description
12.10.2018	0.1.0	N. Genz & A. Blok	Version 0.1
26.10.2018	0.2.0	Puikkonen & Nurmi	Review with SLO, a draft version for pilot supplier
17.01.2019	0.2.1	N. Genz & A. Blok	Iteration based on change requests, LOC segment for NAD+DP, For Consolidated orders: Line level delivery address, delivery address usage logic based on order type in BGM
22.2.2019	0.2.2	Kimmo Nurmi	Consolidated orders as FUTURE OPTION PRI+AAA
27.3.2019	0.3.0	Kimmo Nurmi	RFF+CR campaign instruction included RFF+VN added Values 237 included in BGM/1001 FTX+PAI – Payment term free text PRI, field 5284 included RFF+AUA - Place of positioning RFF+AAT included
4.10.2019	0.3.1	A. Blok	Updated NAD:3055 on header and line level
11.10.2019	0.3.2	Kimmo Nurmi	NAD: 3039 and 3055 description updated
27.11.2019	0.3.2	Kimmo Nurmi	Instruction update to confirmed lines (LIN)
2.3.2021	0.4.0	N. Genz	Multiple updates associated with “ORDERS 3B” change: RFF+ATT: Removed FTX+PUR: Updated description (line level) FTX+AAG: Added qualifier (line level)
6.3.2024	0.4.1	M.Norrena	NAD segment 3035 and 3039 description updates

## General

SLO purchase order message interface is a subset of Edifact D.17A ORDERS standard. Edifact envelope is used for interchanges.

During the pilot phase SLO will send purchase order only once and no change orders are supported on this process.

SLO expects purchase order to be confirmed, supplier can confirm order multiple times.

Order line must be confirmed fully in one order confirmation message, but line can be split into different delivery dates.

Separate order lines can be confirmed in separate confirm messages.

## Notation

For readability all segments, components and elements that are not used or do not have effect on message structure are omitted. For complete reference of the message format see <http://www.unece.org/cefact/edifact/welcome.html>

Each used segment is represented according to this example:

Segment	Grp	Name	Pres	Occ	Description
DTM	-	Date/time/period	M	1..35	To indicate the type and function of a message and to transmit the identifying number.
Identifier	Name	Pres	Type	Description	
<b>C507</b>	DATE/TIME/PERIOD	M	-		
2005	Date/time/period qualifier	M	an1..3	137 = Document/message date/time	
2380	Date/time/period	C	an1..35	Message date (CCYYMMDD)	
2379	Date/time/period format qualifier	C	an1..3	102 = CCYYMMDD	

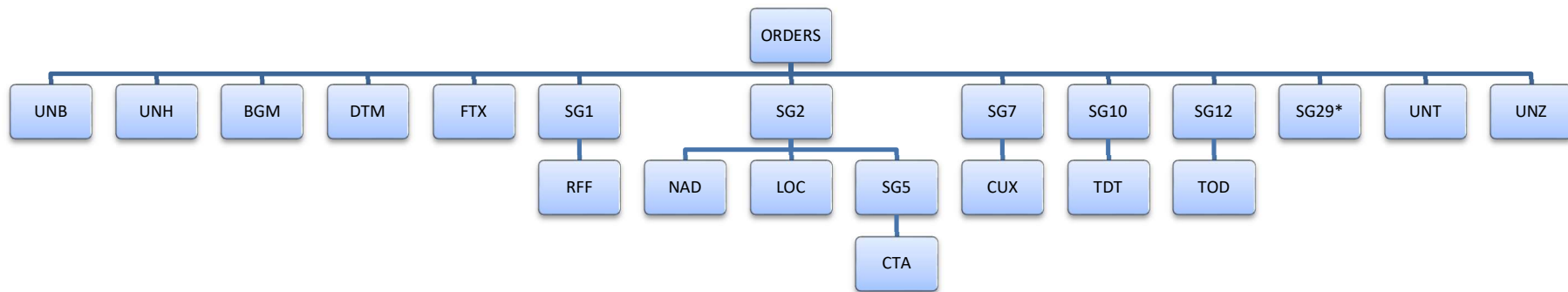
Segment	Edifact identifier of segment
Grp	Owner group if any
Name	Name of the item according to the Edifact standard
Pres	Presence. C = conditional, M = mandatory
Occ	Min occurs..max occurs, 1 means exactly on occurrence
Description	Free form description of the item
Identifier	Edifact identifier of a component or element.
Type	Data description specified in Edifact standard (n = numeric, a = alpha, an = alphanumeric)

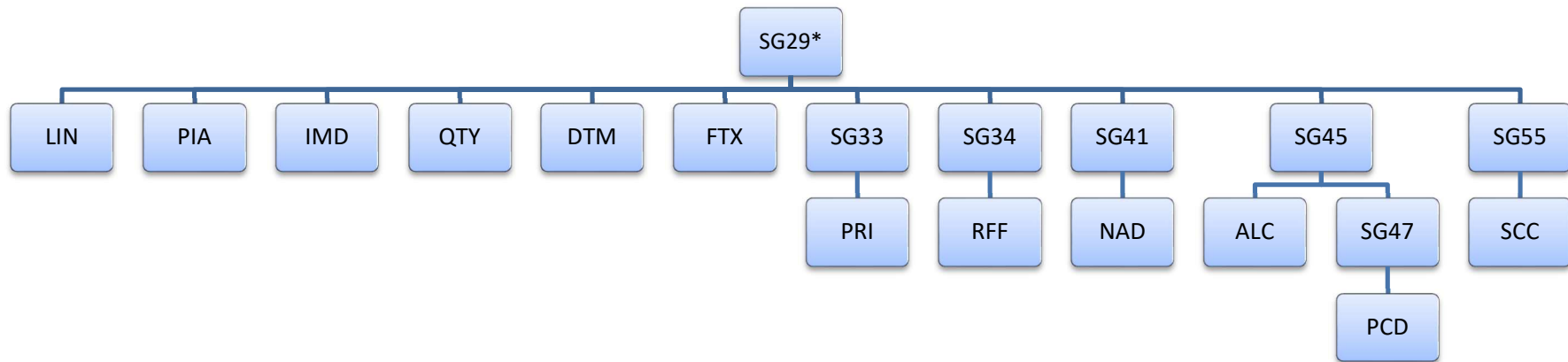
Each used group is presented according to this example:

Grp	Name	Pres	Occ	Content
-	Name and address	C	0..99	NAD-LOC-SG3-SG4
Description				
A group of segments identifying the parties with associated information.				

Grp	Owner group if any
Name	Name of the group
Pres	Presence. C = conditional, M = mandatory
Occ	Min occurs..max occurs, 1 means exactly one occurrence
Content	Groups and segments owned by the group
Description	Free form description of the group

## Message structure





## Detailed message structure

### UNB - Interchange Header

Segment	Grp	Name	Pres	Occ	Description
UNB	-	Interchange Header	M	1	The segment starts, identifies and specifies an interchange
Identifier		Name	Pres	Type	Description
<b>S001</b>		SYNTAX IDENTIFIER	M		
0001		Syntax identifier	M	-	Coded identification of the agency controlling the syntax, and of the character repertoire used in an interchange.
0002		Syntax version number	M	a1..1	Version number of the syntax.
<b>S002</b>		INTERCHANGE SENDER	M		
0004		Interchange sender identification	M	an1..35	
0007		Identification code qualifier	C	an1..4	Qualifier referring to the identification code.
0008		Interchange sender internal identification	C	an1..35	
<b>S003</b>		INTERCHANGE RECIPIENT	M		
0010		Interchange recipient identification	M	an1..35	
0007		Identification code qualifier	C	an1..4	Qualifier referring to the identification code.
0014		Interchange recipient internal identification	C	an1..35	
<b>S004</b>		DATE AND TIME OF PREPARATION	M		
0017		Date	M	n8..8	Format: <i>YYMMDD</i>
0019		Time	M	n4..4	Format: <i>HHMM</i>
<b>0020</b>		INTERCHANGE CONTROL REFERENCE	M	an1..14	
<b>S005</b>		RECIPIENT REFERENCE/PASSWORD DETAILS	C		
0022		Recipient reference/password	M	an1..14	
0025		Recipient reference/password qualifier	C	an2..2	Qualifier for the recipient's reference or password.
<b>0026</b>		APPLICATION REFERENCE	C	an1..14	
<b>0029</b>		PROCESSING PRIORITY CODE	C	a1..1	Code determined by the sender requesting processing priority for the interchange.
<b>0031</b>		ACKNOWLEDGEMENT REQUEST	C	n1..1	Code requesting acknowledgement for the interchange.
<b>0032</b>		INTERCHANGE AGREEMENT IDENTIFIER	C	an1..35	
<b>0035</b>		TEST INDICATOR	C	n1..1	Indication that the structural level containing the test indicator is a test.

#### Example:

UNB++0004+0010+0017:0019'



### UNH - Message Header

Segment	Grp	Name	Pres	Occ	Description
UNH	-	Message Header	M	1	A service segment starting and uniquely identifying a message
Identifier	Name	Pres	Type	Description	
0062	MESSAGE REFERENCE NUMBER	M	an1..14	Identifier identifying message uniquely inside the interchange	
<b>S009</b>	MESSAGE IDENTIFIER	M	-		
0065	Message type	M	an1..6	Constant value ORDERS	
0052	Message version number	M	an1..3	Constant value D	
0054	Message release number	M	an1..3	Constant value 17A	
0051	Controlling agency, coded	M	an1..3	Constant value UN	
0057	Association assigned code	C	an1..6		
<b>0068</b>	COMMON ACCESS REFERENCE	C	an1..35		
<b>S010</b>	STATUS OF THE TRANSFER	C			
0070	Sequencce of transfers	M	n1..2		
0073	First and last transfer	C	a1..1	<i>C = Creation</i> First transmission of a number of transfers of the same message.  <i>F = Final</i> Last transmission of a number of transfers of the same message.	

**Example:**

UNH+4500005319+ORDERS:D:17A:UN+1:F'

### BGM - Beginning of message

Segment	Grp	Name	Pres	Occ	Description
BGM	-	Message Header	M	1	A service segment starting and uniquely identifying a message
Identifier		Name	Pres	Type	Description
<b>C002</b>		DOCUMENT/MESSAGE NAME	C		
1001		Document name code	C	an1..3	220 = Order (or direct order) Document/message by means of which a buyer initiates a transaction with a seller involving the supply of goods or services as specified, according to conditions set out in an offer, or otherwise known to the buyer.  237 = Cross docking service order (transit order)
1131		Code list identification code	C	an1..17	
3055		Code list responsible agency code	C	an1..3	
1000		Document name	C	an1..35	
<b>C106</b>		DOCUMENT/MESSAGE IDENTIFICATION	C		
1004		Document identifier	C	an1..70	
<b>1225</b>		MESSAGE FUNCTION CODE	C	an1..3	9 = <i>Original</i> Initial transmission related to a given transaction.
<b>4343</b>		RESPONSE TYPE CODE	C	an1..3	

**Example:**  
BGM+220+4500005319+9'

### FUTURE OPTION - (for Consolidated orders - Order type logic remark)

This message type can contain various order types which are indicated by a certain value in the BGM section – identifier “1001”. The values and their logic related to the use of address data can be found below.

Value in BGM - 1001	Official Description	SLO Description	Applicable address data logic
220	Order	Stock order	Delivery to -address from header level if storage location is the same
227	Consignment order	Direct delivery	Header level delivery address not available, delivery address from line level
237	Cross docking service order	Transit order	Delivery to -address from header level, line level delivery address to be printed to pallet label and way-bill

The address data on Header and Line level can be found in the following segments of the message:

- **Header:** SG2-NAD
- **Line:** SG29-SG41-NAD

### DTM - Date/time/period

Segment	Group	Name	Presence	Occurrences	Description
DTM	-	Date/time/period	M	1..35	To specify date, and/or time, or period.
Identifier	Name		Presence	Type	Description
<b>C507</b>	DATE/TIME/PERIOD		M	-	
2005	Date or time or period function code qualifier		M	an1..3	Code qualifying the function of a date, time or period.  <i>2 = Delivery date/time, requested</i> (2105) Date on which buyer requests goods to be delivered.  <i>4 = Order document issue date time</i> [2011] Date of order.
2380	Date or time or period text		C	an1..35	
2379	Date or time or period format code		C	an1..3	Code specifying the representation of a date, time or period.  <i>101 = YYMMDD</i> Calendar date: Y = Year; M = Month; D = Day.  <i>102 = CCYYMMDD</i> Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.Day.

**Example:**

DTM+2:181001:101'

DTM+4:20181001:102'

### FTX – Free text

Grp	Name	Pres	Occ	Content
<b>FTX</b>	Message references	C	0..99	To provide free form or coded text information.
Identifier	Name	Pres	Type	Description
4451	TEXT SUBJECT CODE QUALIFIER	M	an1..3	Code qualifying the subject of the text.  <i>PUR = Purchasing information</i> Note contains purchasing information.  <i>PAI = Payment term</i>
4453	Code specifying the function of free text.	C	an1..3	<i>1 = Text for subsequent use</i> The occurrence of this text does not affect message processing.
<b>C107</b>	TEXT REFERENCE	C		
4441	Free text description code	M	an1..17	
1131	Code list identification code	C	an1..17	
3055	Code list responsible agency code	C	an1..3	
<b>C108</b>	TEXT LITERAL	C		
4440	Free text	M	an1..512	Free text line 1
4440	Free text	C	an1..512	Free text line 2
4440	Free text	C	an1..512	Free text line 3
4440	Free text	C	an1..512	Free text line 4
4440	Free text	C	an1..512	Free text line 5
3453	LANGUAGE NAME CODE	C	an1..3	

Example:  
FTX+PUR:1'

### SG1 – RFF-DTM

Grp	Name	Pres	Occ	Content
1	RFF-DTM	C	0..9999	RFF-DTM
<b>Description</b>				
A group of segments for giving references and where necessary, their dates, relating to the whole message e.g. contract number, import/export license number, reservation number.				

### RFF – Message reference

Segment	Grp	Name	Pres	Occ	Description
RFF	1	Reference	M	1	To specify a reference.
Identifier	Name		Pres	Type	Description
<b>C506</b>	Reference qualifier		M	-	
1153	Reference code qualifier		M	an1..3	Code qualifying a reference. <i>CR</i> = Customer reference number  <i>VN</i> = Reference number assigned by supplier to a buyer's purchase order.
1154	Reference identifier		C	an1..70	Reference number assigned by the customer to a transaction.
1156	Document line identifier		C	an1..6	
1056	Version identifier		C	an1..9	

**Example:**

RFF+CR:123456:9887:3214'

## SG2 – NAD-LOC-FII-SG3-SG4-SG5

Grp	Name	Pres	Occ	Content
-	NAD-LOC-FII-SG3-SG4-SG5	C	0..99	NAD-LOC-FII-SG3-SG4-SG5
<b>Description</b>				
A group of segments identifying the parties with associated information.				



### NAD - Name and address

Segment	Grp	Name	Pres	Occ	Description
NAD	2	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 thru 3207.
Identifier		Name	Pres	Type	Description
3035		PARTY FUNCTION CODE QUALIFIER	M	an1..3	Code giving specific meaning to a party. <i>BY = Buyer</i> [3002] Party to which merchandise or services are sold.  <i>SE = Seller</i> [3346] Party selling merchandise or services to a buyer.  <i>IV = Invoicee</i> [3006] Party to whom an invoice is issued.  <i>DP = Delivery party</i> [3144] Party to which goods should be delivered, if not identical with consignee, such as the place where a container is to be, or has been, positioned.
<b>C082</b>		PARTY IDENTIFICATION DETAILS	C	-	
3039		Party identifier	M	an1..35	Has to be compliant with ISO 6523 company code (known as OVT/EDI-ID) or GLN  Note: When segment 3035 value is DP then Segment 3039 can contain Sonepar EDI-ID + Storage location codes. There is also final suffix T, for Transit cases.  3039 Segment is always empty in Direct Delivery cases.
1131		Code list identification code	C	an1..17	Code list qualifier <i>100 = Enhanced party identification.</i> <i>167 = List of taxing authority.</i>
3055		Code list responsible agency code	C	an1..3	Code specifying the agency responsible for a code list. <i>9 = GS1, when GLN used</i>
<b>C058</b>		NAME AND ADDRESS	C	-	
3124		Name and address description	M	an1..35	Name and address line
3124		Name and address description	C	an1..35	Name and address line
3124		Name and address description	C	an1..35	Name and address line
3124		Name and address description	C	an1..35	Name and address line

3124	Name and address description	C	an1..35	Name and address line
<b>C080</b>	PARTY NAME	C	-	
3036	Party name	M	an1..70	Party name
3036	Party name	C	an1..70	Party name2
3036	Party name	C	an1..70	Party name
3036	Party name	C	an1..70	Party name
3036	Party name	C	an1..70	Party name
3045	Party name format code	C	an1..3	Code specifying the representation of a party name.
<b>C059</b>	STREET	C	-	
3042	Street and number or post office box identifier	M	an1..256	Street address
3042	Street and number or post office box identifier	C	an1..256	Street address2
3042	Street and number or post office box identifier	C	an1..256	Address data
3042	Street and number or post office box identifier	C	an1..256	Address data
<b>3164</b>	CITY NAME	C	an1..35	
<b>C819</b>	COUNTRY SUBDIVISION DETAILS	C	-	
3229	Country subdivision identifier	C	an1..9	
<b>3251</b>	POSTAL IDENTIFICATION CODE	C	an1..17	
<b>3207</b>	COUNTRY IDENTIFIER	C	an1..3	

**Example:**

NAD+SE+12345:100+Example address 1:Example address 2+Examply party 1:Example party 2+Example street 1:Example street 2+Example city'

**FUTURE OPTION - (for Consolidated orders - Order type logic remark)**

This message type can contain various order types which are indicated by a certain value in the BGM section – identifier “1001”. The values and their logic related to the use of address data can be found below.

Value in BGM - 1001	Official Description	SLO Description	Applicable address data logic
220	Order	Stock order	Delivery to -address from header level if storage location is the same
227	Consignment order	Direct delivery	Header level delivery address not available, delivery address from line level
237	Cross docking service order	Transit order	Delivery to -address from header level, line level delivery address to be printed to pallet label and way-bill

The address data on Header and Line level can be found in the following segments of the message:

- **Header:** SG2-NAD
- **Line:** SG29-SG41-NAD

### LOC – Place/Location identification

Segment	Grp	Name	Pres	Occ	Description
LOC	2	Place/Location identification	C	1	A segment giving more specific location information of the party specified in the NAD segment e.g. internal site/building number.
Identifier	Name	Pres	Type	Description	
3227	LOCATION FUNCTION CODE QUALIFIER	M	an1..3	7 = Place of delivery (3246) Place to which the goods are to be finally delivered under transport contract terms (operational term).	
<b>C517</b>	LOCATION IDENTIFICATION	C	-		
3225	Location identifier	C	an1..35	SL01 = Doors 3-6 SL02 = Doors 24-26 SL03 = Outdoor 1 SL04 = Outdoor 2 SL05 = Outdoor 3	
1131	Code list identification code	C	an1..17		
3055	Code list responsible agency code	C	an1..3	Code specifying the agency responsible for a code list.	
3224	Location name	C	an1..256		
<b>C519</b>	RELATED LOCATION ONE IDENTIFICATION	C	-		
3223	First related location identifier	C	an1..35		
1131	Code list identification code	C	an1..17		
3055	Code list responsible agency code	C	an1..3	Code specifying the agency responsible for a code list.	
3222	First related location name	C	an1..70		
<b>C553</b>	RELATED LOCATION TWO IDENTIFICATION	C	-		
3233	Second related location identifier	C	an1..35		
1131	Code list identification code	C	an1..17		
3055	Code list responsible agency code	C	an1..3	Code specifying the agency responsible for a code list.	
3232	Second related location name	C	an1..70		
5479	RELATION CODE	C	an1..3		

**Example:**  
LOC+7+SL01'

**Remark:**  
Location is to be used in combination of NAD segment, and identifier 3035 value “DP”.

### SG5 – CTA-COM

Grp	Name	Pres	Occ	Content
2	CTA-COM	C	0..5	CTA-COM
Description				
A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.				

### CTA - Contact information

Segment	Grp	Name	Pres	Occ	Description
CTA	5	Contact information	M	1	A segment to identify a person or department, and their function, to whom communications should be directed.
Identifier	Name	Pres	Type	Description	
3139	CONTACT FUNCTION CODE	C	an1..3	Code specifying the function of a contact (e.g. department or person).  <i>OC = Order contact</i> An individual to contact for questions regarding this order.  <i>SR = Sales representative or department</i> The sales representative or department contact within an organization.	
<b>C056</b>	CONTACT DETAILS	C	-		
3413	Contact identifier	C	an1..17	Department or employee ID	
3412	Contact name	C	an1..256	Department or employee ***Purchaser name (OC). ***Contact person at vendor (SR).	

**Example:**

CR+OC+4444:OC'

## SG7 – CUX-PCD-DTM

Grp	Name	Pres	Occ	Content
7	CUX-PCD-DTM	C	0..5	CUX-PCD-DTM
<b>Description</b>				
A group of segments specifying the currencies and related dates/periods valid for the whole order. Currency data may be omitted in national applications but will be required for international transactions.				

## CUX – Currencies

Segment	Grp	Name	Pres	Occ	Description
CUX	7	Details of Transport	M	1	To specify currencies used in the transaction and relevant details for the rate of exchange.
Identifier	Name		Pres	Type	Description
<b>C504</b>	CURRENCY DETAILS		C	-	
6347	Currency usage code qualifier		M	an1..3	Code qualifying the usage of a currency.  <i>2 = Reference currency</i> The currency applicable to amounts stated. It may have to be converted.
6345	Currency identification code		C	an1..3	
6343	Currency type code qualifier		C	an1..3	Code qualifying the type of currency.  <i>9 = Order currency</i> The currency of the monetary unit used in an order.
6348	Currency rate		C	n1..4	
<b>C504</b>	CURRENCY DETAILS		C	-	
6347	Currency usage code qualifier		M	an1..3	
6345	Currency identification code		C	an1..3	
6343	Currency type code qualifier		C	an1..3	
6348	Currency rate		C	n1..4	
<b>5402</b>	CURRENCY EXCHANGE RATE		C	n1..12	
<b>6341</b>	EXCHANGE RATE CURRENCY MARKET IDENTIFIER		C	an1..3	To identify an exchange rate currency market.

**Example:**

CUX+2::9+2::9++'

## SG10 – TDT-SG11

Grp	Name	Pres	Occ	Content
10	TDT-SG11	C	0..10	TDT-SG11
<b>Description</b>				
A group of segments identifying the mode and means of transport, location and relevant dates and times for transportation, relating to the whole order.				





## SG12 - TOD-LOC

Grp	Name	Pres	Occ	Content
12	TOD-LOC	C	0..5	TOD-LOC
<b>Description</b>				
A group of segments indicating the terms of delivery for the whole order.				



### SG29 – Line item

Grp	Name	Pres	Occ	Content
29	Line item	C	1..200000	LIN-PIA-IMD-MEA-QTY-PCD-ALI-DTM-MOA-GEI-GIN-GIR-QVR-DOC-PAI-MTD-FTX-G30-SG31-SG33-SG34-SG35-SG38-SG40-SG41-SG45-SG51-SG53-SG54-SG55-SG57-SG58-SG60-SG62
<b>Description</b>				
A group of segments providing details of the individual ordered items. This segment group may be repeated to give sub-line details.				

### LIN – Line Item

Segment	Grp	Name	Pres	Occ	Description
LIN	29	LINE ITEM	M	1	A segment identifying the line item by the line number and configuration level, and additionally, identifying the product or service ordered. Other product identification numbers e.g. Buyer product number, etc. can be specified within the following PIA segment.
Identifier	Name		Pres	Type	Description
1082	LINE ITEM NUMBER		C	an1..6	
1229	ACTION CODE		C	an1..3	
<b>C212</b>	ITEM NUMBER IDENTIFICATION		C	-	
7140	Item identifier		C	an1..35	A number allocated to a group or item. EAN code.
7143	Item type identification code		C	an1..3	Coded identification of an item type.  <i>EN = International Article Numbering Association (EAN) Number assigned to a manufacturer's product according to the International Article Numbering Association.</i>
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	
<b>C829</b>	SUB-LINE INFORMATION		C		
5495	Sub-line indicator code		C	an1..3	
1222	CONFIGURATION LEVEL NUMBER		C	n1..2	
7083	CONFIGURATION OPERATION CODE		C	an1..3	

**NOTE:** If supplier can't confirm all lines: Confirmation doesn't have to contain all lines. If Supplier can confirm e.g. 9 lines out of 10, then it's enough that confirmation has only 9 lines.

**Example:**

LIN+1+++123456:EN::92+++'

### PIA – Additional Product ID

Segment	Grp	Name	Pres	Occ	Description
PIA	29	ADDITIONAL PRODUCT ID	C	0..25	A segment providing either additional identification to the product specified in the LIN segment (e.g. Harmonized System number), or provides any substitute product identification.
Identifier	Name		Pres	Type	Description
4347	PRODUCT IDENTIFIER CODE QUALIFIER		M	an1..3	Code qualifying the product identifier.  <i>5 = Product identification</i> The item number is for product identification.
<b>C212</b>	ITEM NUMBER IDENTIFICATION		M	-	
7140	Item number		C	an1..35	Buyer's article no.
7143	Item number type, coded		C	an1..3	<i>BP = Buyer's part number</i> Reference number assigned by the buyer's ERP to identify an article.
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	
<b>C212</b>	ITEM NUMBER IDENTIFICATION		C		
7140	Item number		C	an1..35	Seller's article no.
7143	Item number type, coded		C	an1..3	<i>SA = Supplier's article number</i> Number assigned to an article by the supplier of that article.
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	
<b>C212</b>	ITEM NUMBER IDENTIFICATION		C		
7140	Item number		C	an1..35	STK's article no.
7143	Item number type, coded		C	an1..3	<i>ZZ3 = Electrical number by STK.</i> (Finnish Electrotechnical Trade Association)
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	
<b>C212</b>	ITEM NUMBER IDENTIFICATION		C		
7140	Item number		C	an1..35	
7143	Item number type, coded		C	an1..3	
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	
<b>C212</b>	ITEM NUMBER IDENTIFICATION		C		
7140	Item number		C	an1..35	
7143	Item number type, coded		C	an1..3	
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	

**Example:**

PIA+5+654321:BP::91'

### IMD - Item description

Segment	Grp	Name	Pres	Occ	Description
IMD	29	Item description	C	0..99	A segment for describing the product or service being ordered as well as product characteristic. This segment should be used for products or services that cannot be fully identified by a product code or article number.
Identifier	Name		Pres	Type	Description
7077	DESCRIPTION FORMAT CODE		C	an1..3	<i>F = Free-form</i> Description of an item in free form text.
<b>C272</b>	ITEM CHARACTERISTIC		C		
7081	Item characteristic code		C	an1..3	
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	<i>92 = Assigned by buyer or buyer's agent</i> Codes assigned by a buyer or buyer's agent.
C273	ITEM DESCRIPTION		C		
7009	Item description code		C	an1..3	
7008	Item description 1		C	an1..256	Item description
7008	Item description 2		C	an1..256	Item description2
7383	SURFACE OR LAYER CODE		C	an1..3	

**Example:**

IMD+F+::92+:Description1:Description2'

### QTY - Quantity

Segment	Grp	Name	Pres	Occ	Description
QTY	29	QUANTITY	C	0..99	A segment identifying the product quantities e.g. ordered quantity.
Identifier	Name		Pres	Type	Description
<b>C186</b>	QUANTITY DETAILS		M	-	
6063	Quantity type code qualifier		M	an1..3	<i>21 = Ordered quantity</i> [6024] The quantity which has been ordered.
6060	Quantity		M	an1..35	Numeric value of a quantity
6411	Measurement unit code		C	an1..8	Measure unit in SLO system

**Example:**

QTY+21:100.000:PCE'

### DTM - Date/time/period

Segment	Grp	Name	Pres	Occ	Description
DTM	29	Date/time/period	C	0..35	A segment specifying date/time/period details relating to the line item only.
Identifier		Name	Pres	Type	Description
<b>C507</b>		DATE/TIME/PERIOD	M	-	
2005		Date or time or period function code qualifier	M	an1..3	<i>2 = Delivery date/time, requested (2105)</i> Date on which buyer requests goods to be delivered.
2380		Date or time or period text	C	an1..35	Date
2379		Date or time or period format code	C	an1..3	<i>101 = YYMMDD</i> Calendar date: Y = Year; M = Month; D = Day.  <i>102 = CCYYMMDD</i> Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.

**Example:**

DTM+2:181018:101'



**FTX – FREE TEXT**

Segment	Grp	Name	Pres	Occ	Description
FTX	29	FREE TEXT	C	0..99	A segment with free text information, in coded or clear form, used when additional information is needed but cannot be accommodated within other segments. In computer to computer exchanges such text will normally require the receiver to process this segment manually.
Identifier	Name		Pres	Type	Description
4451	TEXT SUBJECT CODE QUALIFIER		M	an1..3	<i>PUR = Purchasing information</i> Text for Vendor  <i>AAG = Party Instructions</i> Text for Customer and Vendor
4453	FREE TEXT FUNCTION CODE		C	an1..3	<i>1 = Text for subsequent use</i> The occurrence of this text does not affect message processing.
<b>C107</b>	TEXT REFERENCE		C		
4441	Free text description code		M	an1..17	
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	
<b>C108</b>	TEXT LITERAL		C		
4440	Free text		M	an1..512	Free text, line 1
4440	Free text		C	an1..512	Free text, line 2
4440	Free text		C	an1..512	Free text, line 3
4440	Free text		C	an1..512	Free text, line 4
4440	Free text		C	an1..512	Free text, line 5
3453	LANGUAGE NAME CODE		C	an1..3	

**Example:**

FTX+PUR:1+::+Line1:Line2+101'

### SG33 – PRI-CUX-APR-RNG-DTM

Grp	Name	Pres	Occ	Content
29	PRI-CUX-APR-RNG-DTM	C	0.. 25	PRI-CUX-APR-RNG-DTM
<b>Description</b>				
A group of segments identifying the relevant pricing information for the goods or services ordered.				

### PRI – Price details

Segment	Grp	Name	Pres	Occ	Description
PRI	33	Price details	M	1	A segment to specify the price type and amount. The price used in the calculation of the line amount will be identified as 'price'
Identifier	Name		Pres	Type	Description
<b>C509</b>	PRICE INFORMATION		C	-	
5125	Price code qualifier		M	an1..3	AAA = Calculation net. The price stated is the net price including allowances/ charges. Allowances/charges may be stated for information only.
5118	Price amount		C	n1..15	Price with two decimals
5375	Price type code		C	an1..3	
5387	Price specification code		C	an1..3	
5284	Unit price basis quantity		C	n1..9	Sent as integer value
6411	Measurement unit code		C	an1..8	
5213	SUB-LINE ITEM PRICE CHANGE OPERATION CODE		C	an1..3	

**Example:**

PRI+AAA:99.95:::12:+'

### SG34 – RFF-DTM-GEI-MOA

Grp	Name	Pres	Occ	Content
29	RFF-DTM-GEI-MOA	C	0.. 9999	RFF-DTM-GEI-MOA
<b>Description</b>				
A group of segments giving references and where necessary, their dates, relating to the line item.				

### RFF – Reference

Segment	Grp	Name	Pres	Occ	Description
RFF	34	REFERENCE	M	1	A segment identifying the reference by its number and where appropriate a line number within a document.
Identifier	Name		Pres	Type	Description
<b>C506</b>	REFERENCE		M	-	
1153	Reference Qualifier		M	an1..3	<p><i>AUA = Place of positioning reference.</i> Identifies the reference pertaining to the place of positioning. To be printed on pallet label.</p> <p><i>ABK = Transit (onward carriage) guarantee (bond) number</i> Reference number to identify the guarantee or security provided for Customs transit operation (CCC).</p>
1154	Reference Number		C	an1..70	When 1153 = ABK, then constant value [Transit] in 1154.
1156	Line Number		C	an1..6	
1056	Version identifier		C	an1..9	

**Example:**

RFF+ABK:Transit'

**SG41 (FUTURE OPTION for Consolidated orders) *NAD-LOC-FII-SG42-SG43-SG44***

Grp	Name	Pres	Occ	Content
41	NAD-LOC-FII-SG42-SG43-SG44	C	0.. 999	NAD-LOC-FII-SG42-SG43-SG44
<b>Description</b>				
A group of segments identifying the parties with associated information, relevant to the line item only.				

**NAD - Name and address**

Segment	Grp	Name	Pres	Occ	Description
NAD	41	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 thru 3207.
Identifier		Name	Pres	Type	Description
3035		PARTY FUNCTION CODE QUALIFIER	M	an1..3	Code giving specific meaning to a party.  <i>DP = Delivery party</i> [3144] Party to which goods should be delivered, if not identical with consignee, such as the place where a container is to be, or has been, positioned.
<b>C082</b>		PARTY IDENTIFICATION DETAILS	C	-	
3039		Party identifier	M	an1..35	Has to be compliant with ISO 6523  Note: When segment 3035 value is DP then Segment 3039 can contain Sonepar EDI-ID + Storage location codes. There is also final suffix T, for Transit cases.  3039 Segment is always empty in Direct Delivery cases.
1131		Code list identification code	C	an1..17	Code list qualifier <i>100 = Enhanced party</i> identification. <i>167 = List of taxing authority.</i>
3055		Code list responsible agency code	C	an1..3	Code specifying the agency responsible for a code list. <i>9 = GS1</i>
<b>C058</b>		NAME AND ADDRESS	C	-	
3124		Name and address description	M	an1..35	Name and address line
3124		Name and address description	C	an1..35	Name and address line
3124		Name and address description	C	an1..35	Name and address line
3124		Name and address description	C	an1..35	Name and address line
3124		Name and address description	C	an1..35	Name and address line
<b>C080</b>		PARTY NAME	C	-	
3036		Party name	M	an1..70	Party name
3036		Party name	C	an1..70	Party name2
3036		Party name	C	an1..70	Party name
3036		Party name	C	an1..70	Party name
3036		Party name	C	an1..70	Party name
3045		Party name format code	C	an1..3	Code specifying the representation of a party name.
<b>C059</b>		STREET	C	-	

3042	Street and number or post office box identifier	M	an1..256	Street address
3042	Street and number or post office box identifier	C	an1..256	Street address2
3042	Street and number or post office box identifier	C	an1..256	Address data
3042	Street and number or post office box identifier	C	an1..256	Address data
<b>3164</b>	CITY NAME	C	an1..35	
<b>C819</b>	COUNTRY SUBDIVISION DETAILS	C	-	
3229	Country subdivision identifier	C	an1..9	
<b>3251</b>	POSTAL IDENTIFICATION CODE	C	an1..17	
<b>3207</b>	COUNTRY IDENTIFIER	C	an1..3	

**Example:**

NAD+SE+12345:100+Example address 1:Example address 2+Examply party 1:Example party 2+Example street 1:Example street 2+Example city'

**LOC - Place/Location identification**

Segment	Grp	Name	Pres	Occ	Description
LOC	41	Place/Location identification	C	1	A segment giving more specific location information of the party specified in the NAD segment e.g. internal site/building number.
Identifier		Name	Pres	Type	Description
3227		LOCATION FUNCTION CODE QUALIFIER	M	an1..3	7 = Place of delivery (3246) Place to which the goods are to be finally delivered under transport contract terms (operational term).
<b>C517</b>		LOCATION IDENTIFICATION	C	-	
3225		Location identifier	C	an1..35	SL01 = Doors 3-6 SL02 = Doors 24-26 SL03 = Outdoor 1 SL04 = Outdoor 2 SL05 = Outdoor 3
1131		Code list identification code	C	an1..17	
3055		Code list responsible agency code	C	an1..3	Code specifying the agency responsible for a code list.
3224		Location name	C	an1..256	
<b>C519</b>		RELATED LOCATION ONE IDENTIFICATION	C	-	
3223		First related location identifier	C	an1..35	
1131		Code list identification code	C	an1..17	
3055		Code list responsible agency code	C	an1..3	Code specifying the agency responsible for a code list.
3222		First related location name	C	an1..70	
<b>C553</b>		RELATED LOCATION TWO IDENTIFICATION	C	-	
3233		Second related location identifier	C	an1..35	
1131		Code list identification code	C	an1..17	
3055		Code list responsible agency code	C	an1..3	Code specifying the agency responsible for a code list.
3232		Second related location name	C	an1..70	
5479		RELATION CODE	C	an1..3	



**Example:**

LOC+7+SL01'

**Remark:**

Location is to be used in combination of NAD segment, and identifier 3035 value "DP".

### RFF – Reference

Segment	Grp	Name	Pres	Occ	Description
RFF	34	REFERENCE	M	1	A segment identifying the reference by its number and where appropriate a line number within a document.
Identifier	Name		Pres	Type	Description
<b>C506</b>	REFERENCE		M	-	
1153	Reference Qualifier		M	an1..3	<p><i>AUA = Place of positioning reference.</i> Identifies the reference pertaining to the place of positioning. To be printed on pallet label.</p> <p><i>ABK = Transit (onward carriage) guarantee (bond) number</i> Reference number to identify the guarantee or security provided for Customs transit operation (CCC).</p>
1154	Reference Number		C	an1..70	When 1153 = ABK, then constant value [TH] (normal Transit) in 1154.
1156	Line Number		C	an1..6	
1056	Version identifier		C	an1..9	

**Example:**

RFF+ABK:TH'

### SG45 – ALC-ALI-DTM-SG46-SG47-SG48-SG49-SG50

Grp	Name	Pres	Occ	Content
29	ALC-ALI-DTM-SG46-SG47-SG48-SG49-SG50	C	0.. 99	ALC-ALI-DTM-SG46-SG47-SG48-SG49-SG50
<b>Description</b>				
A group of segments specifying allowances and charges for the line item where this is different to or not specified within the heading section.				

### ALC – Allowance or charge

Segment	Grp	Name	Pres	Occ	Description
ALC	45	Allowance or charge	M	1	A segment identifying the charge or allowance and, where necessary its calculation sequence.
Identifier	Name		Pres	Type	Description
<b>5463</b>	ALLOWANCE OR CHARGE CODE QUALIFIER		M	an1..3	<i>A = Allowance</i> Code specifying an allowance.  <i>C = Charge</i> Code specifying a charge.
<b>C552</b>	ALLOWANCE/CHARGE INFORMATION		C		
1230	Allowance or charge identifier		C	an1..35	
5189	Allowance or charge identification code		C	an1..3	
<b>4471</b>	SETTLEMENT MEANS CODE		C	an1..3	
<b>1227</b>	CALCULATION SEQUENCE CODE		C	an1..3	<i>1 = First step of calculation</i> Code specifying the first step of a calculation.  <i>2 = Second step of calculation</i> Code specifying the second step of a calculation.
<b>C214</b>	SPECIAL SERVICES IDENTIFICATION		C		
7161	Special service description code		C	an1..3	
1131	Code list identification code		C	an1..17	
3055	Special service description		C	an1..3	

**Example:**

ALC+A+FF555:1+1'

### SG47 – PCD-RNG

Grp	Name	Pres	Occ	Content
45	PCD-RNG	C	0.. 1	PCD-RNG
<b>Description</b>				
A group of segments specifying the percentage for the allowance or charge e.g. The allowance/charge amount is calculated as 5% of the goods value or a price reduction of 5% may be specified if the goods quantity ordered is within the range 5 tons to 10 tons.				

### PCD – Percentage details

Segment	Grp	Name	Pres	Occ	Description
PCD	45	Percentage details	M	1	A segment identifying the percentage and the percentage basis for the calculation of the allowance or charge.
Identifier	Name		Pres	Type	Description
<b>C501</b>	PERCENTAGE DETAILS		M	-	
5245	Percentage type code qualifier		M	an1..3	<i>2 = Charge</i> (5044) Charge expressed as a percentage.  <i>12 = Discount</i> Discount expressed as a percentage.
5482	Percentage		C	n1..10	
5249	Percentage basis identification code		C	an1..3	<i>1 = Per unit</i> Referenced percentage applies on a single unit basis.
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	

**Example:**

PCD+2:14:1::

### SG55 – SCC-FTX-RFF-SG56

Grp	Name	Pres	Occ	Content
29	SCC-FTX-RFF-SG56	C	1..100	SCC-FTX-RFF-SG56
<b>Description</b>				
A group of segments specifying requested delivery schedules relating to quantities, frequencies, and dates, required for the line item, where this is different to or not specified within the heading section.				

### SCC – Scheduling Conditions

Grp	Name	Pres	Occ	Content
55	Scheduling conditions	M	1	A segment specifying the type and status of the schedule being given, and optionally defining a pattern to be established e.g. firm or proposed delivery schedule for a weekly pattern.
Identifier	Name	Pres	Type	Description
4017	DELIVERY PLAN COMMITMENT LEVEL CODE	M	an1..3	<i>1 = Firm</i> Indicates that the scheduling information is a firm commitment
4493	DELIVERY INSTRUCTION CODE	C	an1..3	<i>SC = Ship complete order</i> The order should be delivered only complete, not partial.
<b>C329</b>	PATTERN DESCRIPTION	C		
2013	Frequency code	C	an1..3	
2015	Despatch pattern code	C	an1..3	
2017	Despatch pattern timing code	C	an1..3	

**Example:**

SCC+1:SC+::'



## UNS – Section Control

Segment	Grp	Name	Pres	Occ	Description
UNS	-	MESSAGE TRAILER	M	1	A service segment placed at the start of the summary section to avoid segment collision.
Identifier	Name		Pres	Type	Description
0081	SECTION IDENTIFICATION		M	a1..10	

**Example:**

UNS+0081'

### CNT – Control total

Segment	Grp	Name	Pres	Occ	Description
CNT	-	Control total	C	1..10	A segment by which control totals may be provided by the sender for checking by the receiver.
Identifier	Name		Pres	Type	Description
C270	CONTROL		M		
6069	Control total type code qualifier		M	an1..3	<i>2 = Number of line items in message</i> Total number of line items in the message.
6066	Control total quantity		M	n1..18	
6411	Measurement unit code		C	an1..8	

**Example:**

CNT+2:447:!

### UNT - Message Trailer

Segment	Grp	Name	Pres	Occ	Description
UNT	-	MESSAGE TRAILER	M	1	A service segment ending a message, giving the total number of segments in the message (including the UNH & UNT) and the control reference number of the message.
Identifier	Name		Pres	Type	Description
0074	NUMBER OF SEGMENTS IN A MESSAGE		M	n1..10	Number of segments in a message
0062	MESSAGE REFERENCE NUMBER		M	an1..14	Running number of the message inside the interchange

**Example:**  
 UNT+16+1'

## UNZ - Interchange Trailer

Segment	Grp	Name	Pres	Occ	Description
UNZ	-	Interchange trailer	M	1	To end and check the completeness of an interchange.
Identifier	Name		Pres	Type	Description
0036	INTERCHANGE CONTROL COUNT		M	n1..6	
0020	INTERCHANGE CONTROL REFERENCE		M	an1..14	

**Example:**

UNZ+1:1'

## Example of the D17A Orders message

